

Insight Report

The Global Competitiveness Report 2012–2013

Klaus Schwab, World Economic Forum



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The Global Competitiveness Report 2012–2013

Full Data Edition

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The terms *country* and *nation* as used in this report do not in all cases refer to a territorial entity that is a state as understood by international law and practice. The terms cover well-defined, geographically self-contained economic areas that may not be states but for which statistical data are maintained on a separate and independent basis.

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Preface

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The Global Competitiveness Report 2012–2013 is being released amid a long period of economic uncertainty. The tentative recovery that seemed to be gaining ground during 2010 and the first half of 2011 has given way to renewed concerns. The global economy faces a number of significant and interrelated challenges that could hamper a genuine upturn after an economic crisis half a decade long in much of the world, especially in the most advanced economies. The persisting financial difficulties in the periphery of the euro zone have led to a long-lasting and unresolved sovereign debt crisis that has now reached the boiling point. The possibility of Greece and perhaps other countries leaving the euro is now a distinct prospect, with potentially devastating consequences for the region and beyond. This development is coupled with the risk of a weak recovery in several other advanced economies outside of Europe—notably in the United States, where political gridlock on fiscal tightening could dampen the growth outlook. Furthermore, given the expected slowdown in economic growth in China, India, and other emerging markets, reinforced by a potential decline in global trade and volatile capital flows, it is not clear which regions can drive growth and employment creation in the short to medium term.

Policymakers are struggling to find ways to cooperate and manage the current economic challenges while preparing their economies to perform well in an increasingly difficult and unpredictable global landscape. Amid the short-term crisis management, it remains critical for countries to establish the fundamentals that underpin economic growth and development for the longer term. The World Economic Forum has, for more than three decades, played a facilitating role in this process by providing detailed assessments of the productive potential of nations worldwide. The *Report* contributes to an understanding of the key factors that determine economic growth, helps to explain why some countries are more successful than others in raising income levels and opportunities for their respective populations, and offers policymakers and business leaders an important tool in the formulation of improved economic policies and institutional reforms.

The complexity of today's global economic environment has made it more important than ever

to recognize and encourage the qualitative as well as the quantitative aspects of growth, integrating such concepts as social and environmental sustainability to provide a fuller picture of what is needed and what works. In this context, the Forum's Global Benchmarking Network has continued to push forward with its research on how sustainability relates to competitiveness and economic performance. To this end, Chapter 1.2 of this *Report* presents our evolving analysis of how country competitiveness can be assessed once issues of social and environmental sustainability are taken into account. This represents an important area for the World Economic Forum's research going forward.

This year's *Report* features a record number of 144 economies, and thus continues to be the most comprehensive assessment of its kind. It contains a detailed profile for each of the economies included in the study as well as an extensive section of data tables with global rankings covering over 100 indicators. This *Report* remains the flagship publication within the Forum's Global Benchmarking Network, which produces a number of research studies that mirror the increased integration and complexity of the world economy.

The Global Competitiveness Report 2012–2013 could not have been put together without the thought leadership of Professor Xavier Sala-i-Martin at Columbia University, who has provided ongoing intellectual support for our competitiveness research. Further, this *Report* would have not been possible without the commitment and enthusiasm of our network of over 150 Partner Institutes worldwide. The Partner Institutes are instrumental in carrying out the Executive Opinion Survey that provides the foundation data of this *Report* as well as imparting the results of the *Report* at the national level. We would also like to convey our sincere gratitude to all the business executives around the world who took the time to participate in our Executive Opinion Survey.

We are also grateful to the members of our Advisory Board on Competitiveness and Sustainability, who have provided their valuable time and knowledge to help us develop the framework on sustainability and competitiveness presented in this *Report*: James Cameron, Chairman, Climate Change Capital; Dan Esty, Commissioner, Connecticut Department of Energy and Environmental Protection; Edwin J. Feulner Jr, President,

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Appreciation also goes to Børge Brende, Managing Director at the Forum, and Jennifer Blanke, Head of The Global Benchmarking Network, as well as team members Beñat Bilbao-Osorio, Ciara Browne, Roberto Crotti, Margareta Drzeniek Hanouz, Thierry Geiger, Tania Gutknecht, Caroline Ko, and Cecilia Serin. Finally, we would like to thank the Africa Commission and FedEx, our partners in this *Report*, for their support in this important publication.

Part 1

Measuring Competitiveness

The Global Competitiveness Index 2012–2013: Strengthening Recovery by Raising Productivity

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At the time of releasing *The Global Competitiveness Report 2012–2013*, the outlook for the world economy is once again fragile. Global growth remains historically low for the second year running with major centers of economic activity—particularly large emerging economies and key advanced economies—expected to slow in 2012–13, confirming the belief that the global economy is troubled by a slow and weak recovery. As in previous years, growth remains unequally distributed. Emerging and developing countries are growing faster than advanced economies, steadily closing the income gap.

The International Monetary Fund (IMF) estimates that, in 2012, the euro zone will have contracted by 0.3 percent, while the United States is experiencing a weak recovery with an uncertain future. Large emerging economies such as Brazil, the Russian Federation, India, China, and South Africa are growing somewhat less than they did in 2011. At the same time, other emerging markets—such as developing Asia—will continue to show robust growth rates, while the Middle East and North Africa as well as sub-Saharan African countries are gaining momentum.

Recent developments—such as the danger of a property bubble in China, a decline in world trade, and volatile capital flows in emerging markets—could derail the recovery and have a lasting impact on the global economy. Arguably, this year's deceleration to a large extent reflects the inability of leaders to address the many challenges that were already present last year. Policymakers around the world remain concerned about high unemployment and the social conditions in their countries. The political brinkmanship in the United States continues to affect the outlook for the world's largest economy, while the sovereign debt crises and the danger of a banking system meltdown in peripheral euro zone countries remain unresolved. The high levels of public debt coupled with low growth, insufficient competitiveness, and political gridlock in some European countries stirred financial markets' concerns about sovereign default and the very viability of the euro. Given the complexity and the urgency of the situation, European countries are facing particularly difficult economic management decisions with challenging political and social ramifications. Although European leaders do not agree on how to address the immediate challenges, there is recognition that, in the longer term, stabilizing the euro and putting Europe on a higher and more sustainable growth path will necessitate improvements to the competitiveness of the weaker member states.

All these developments are highly interrelated and demand timely, decisive, and coordinated action by policymakers. In light of these uncertain global ramifications, sustained structural reforms aimed at enhancing competitiveness will be necessary for

countries to stabilize economic growth and ensure the rising prosperity of their populations going into the future.

Competitive economies drive productivity enhancements that support high incomes by ensuring that the mechanisms enabling solid economic performance are in place.

For more than three decades, the World Economic Forum's annual *Global Competitiveness Reports* have studied and benchmarked the many factors underpinning national competitiveness. From the onset, the goal has been to provide insight and stimulate the discussion among all stakeholders on the best strategies and policies to help countries to overcome the obstacles to improving competitiveness. In the current challenging economic environment, our work is a critical reminder of the importance of structural economic fundamentals for sustained growth.

Since 2005, the World Economic Forum has based its competitiveness analysis on the Global Competitiveness Index (GCI), a comprehensive tool that measures the microeconomic and macroeconomic foundations of national competitiveness.¹

We define *competitiveness* as *the set of institutions, policies, and factors that determine the level of productivity of a country*. The level of productivity, in turn, sets the level of prosperity that can be earned by an economy. The productivity level also determines the rates of return obtained by investments in an economy, which in turn are the fundamental drivers of its growth rates. In other words, a more competitive economy is one that is likely to sustain growth.

The concept of competitiveness thus involves static and dynamic components. Although the productivity of a country determines its ability to sustain a high *level* of income, it is also one of the central determinants of its returns to investment, which is one of the key factors explaining an economy's *growth potential*.

THE 12 PILLARS OF COMPETITIVENESS

Many determinants drive productivity and competitiveness. Understanding the factors behind this process has occupied the minds of economists for hundreds of years, engendering theories ranging from Adam Smith's focus on specialization and the division of labor to neoclassical economists' emphasis on investment in physical capital and infrastructure,² and, more recently, to interest in other mechanisms such as education and training, technological progress, macroeconomic stability, good governance, firm sophistication, and market efficiency, among others. While all of these factors are likely to be important for competitiveness and growth, they are not mutually exclusive—two or more of them can be significant at the same time, and in fact that is what has been shown in the economic literature.³

This open-endedness is captured within the GCI by including a weighted average of many different components, each measuring a different aspect of competitiveness. These components are grouped into 12 pillars of competitiveness (see Figure 1):

First pillar: Institutions

The institutional environment is determined by the legal and administrative framework within which individuals, firms, and governments interact to generate wealth. The importance of a sound and fair institutional environment became even more apparent during the recent economic and financial crisis and is especially crucial for further solidifying the fragile recovery given the increasing role played by the state at the international level and for the economies of many countries.

The quality of institutions has a strong bearing on competitiveness and growth.⁴ It influences investment decisions and the organization of production and plays a key role in the ways in which societies distribute the benefits and bear the costs of development strategies and policies. For example, owners of land, corporate shares, or intellectual property are unwilling to invest in the improvement and upkeep of their property if their rights as owners are not protected.⁵

The role of institutions goes beyond the legal framework. Government attitudes toward markets and freedoms and the efficiency of its operations are also very important: excessive bureaucracy and red tape,⁶ overregulation, corruption, dishonesty in dealing with public contracts, lack of transparency and trustworthiness, inability to provide appropriate services for the business sector, and political dependence of the judicial system impose significant economic costs to businesses and slow the process of economic development.

In addition, the proper management of public finances is also critical to ensuring trust in the national business environment. Indicators capturing the quality of government management of public finances are therefore included here to complement the measures of macroeconomic stability captured in pillar 3 below.

Although the economic literature has focused mainly on public institutions, private institutions are also an important element in the process of creating wealth. The recent global financial crisis, along with numerous corporate scandals, have highlighted the relevance of accounting and reporting standards and transparency for preventing fraud and mismanagement, ensuring good governance, and maintaining investor and consumer confidence. An economy is well served by businesses that are run honestly, where managers abide by strong ethical practices in their dealings with the government, other firms, and the public at large.⁷ Private-sector transparency is indispensable to business, and can be brought about through the use of standards as well as

auditing and accounting practices that ensure access to information in a timely manner.⁸

Second pillar: Infrastructure

Extensive and efficient infrastructure is critical for ensuring the effective functioning of the economy, as it is an important factor in determining the location of economic activity and the kinds of activities or sectors that can develop in a particular instance. Well-developed infrastructure reduces the effect of distance between regions, integrating the national market and connecting it at low cost to markets in other countries and regions. In addition, the quality and extensiveness of infrastructure networks significantly impact economic growth and reduce income inequalities and poverty in a variety of ways.⁹ A well-developed transport and communications infrastructure network is a prerequisite for the access of less-developed communities to core economic activities and services.

Effective modes of transport—including quality roads, railroads, ports, and air transport—enable entrepreneurs to get their goods and services to market in a secure and timely manner and facilitate the movement of workers to the most suitable jobs. Economies also depend on electricity supplies that are free of interruptions and shortages so that businesses and factories can work unimpeded. Finally, a solid and extensive telecommunications network allows for a rapid and free flow of information, which increases overall economic efficiency by helping to ensure that businesses can communicate and decisions are made by economic actors taking into account all available relevant information.

Third pillar: Macroeconomic environment

The stability of the macroeconomic environment is important for business and, therefore, is important for the overall competitiveness of a country.¹⁰ Although it is certainly true that macroeconomic stability alone cannot increase the productivity of a nation, it is also recognized that macroeconomic instability harms the economy, as we have seen over the past years, notably in the European context. The government cannot provide services efficiently if it has to make high-interest payments on its past debts. Running fiscal deficits limits the government's future ability to react to business cycles and to invest in competitiveness-enhancing measures. Firms cannot operate efficiently when inflation rates are out of hand. In sum, the economy cannot grow in a sustainable manner unless the macro environment is stable. Macroeconomic stability has captured the attention of the public most recently when some European countries needed the support of the IMF and other euro zone economies to prevent sovereign default, as their public debt reached unsustainable levels.

It is important to note that this pillar evaluates the stability of the macroeconomic environment, so it does not directly take into account the way in which public accounts are managed by the government. This qualitative dimension is captured in the institutions pillar described above.

Fourth pillar: Health and primary education

A healthy workforce is vital to a country's competitiveness and productivity. Workers who are ill cannot function to their potential and will be less productive. Poor health leads to significant costs to business, as sick workers are often absent or operate at lower levels of efficiency. Investment in the provision of health services is thus critical for clear economic, as well as moral, considerations.¹¹

In addition to health, this pillar takes into account the quantity and quality of the basic education received by the population. Basic education increases the efficiency of each individual worker. Moreover, workers who have received little formal education can carry out only simple manual tasks and find it much more difficult to adapt to more advanced production processes and techniques, and therefore contribute less to come up with or execute innovations. In other words, lack of basic education can become a constraint on business development, with firms finding it difficult to move up the value chain by producing more sophisticated or value-intensive products with existing human resources.

For the longer term, it will be essential to avoid significant reductions in resource allocation to these critical areas, in spite of the fact that government budgets will need to be cut to reduce the deficits and debt burden.

Fifth pillar: Higher education and training

Quality higher education and training is particularly crucial for economies that want to move up the value chain beyond simple production processes and products.¹² In particular, today's globalizing economy requires countries to nurture pools of well-educated workers who are able to perform complex tasks and adapt rapidly to their changing environment and the evolving needs of the economy. This pillar measures secondary and tertiary enrollment rates as well as the quality of education as evaluated by the business community. The extent of staff training is also taken into consideration because of the importance of vocational and continuous on-the-job training—which is neglected in many economies—for ensuring a constant upgrading of workers' skills.

Sixth pillar: Goods market efficiency

Countries with efficient goods markets are well positioned to produce the right mix of products and services given their particular supply-and-demand

conditions, as well as to ensure that these goods can be most effectively traded in the economy. Healthy market competition, both domestic and foreign, is important in driving market efficiency and thus business productivity by ensuring that the most efficient firms, producing goods demanded by the market, are those that thrive. The best possible environment for the exchange of goods requires a minimum of impediments to business activity through government intervention. For example, competitiveness is hindered by distortionary or burdensome taxes and by restrictive and discriminatory rules on foreign direct investment (FDI)—limiting foreign ownership—as well as on international trade. The recent economic crisis has highlighted the degree of interdependence of economies worldwide and the degree to which growth depends on open markets. Protectionist measures are counterproductive as they reduce aggregate economic activity.

Market efficiency also depends on demand conditions such as customer orientation and buyer sophistication. For cultural or historical reasons, customers may be more demanding in some countries than in others. This can create an important competitive advantage, as it forces companies to be more innovative and customer-oriented and thus imposes the discipline necessary for efficiency to be achieved in the market.

Seventh pillar: Labor market efficiency

The efficiency and flexibility of the labor market are critical for ensuring that workers are allocated to their most effective use in the economy and provided with incentives to give their best effort in their jobs. Labor markets must therefore have the flexibility to shift workers from one economic activity to another rapidly and at low cost, and to allow for wage fluctuations without much social disruption.¹³ The importance of well-functioning labor markets has been dramatically highlighted by last year's events in Arab countries, where rigid labor markets were an important cause of high youth unemployment, sparking social unrest in Tunisia that then spread across the region. Youth unemployment is also high in a number of European countries, where important barriers to entry into the labor market remain in place.

Efficient labor markets must also ensure a clear relationship between worker incentives and their efforts to promote meritocracy at the workplace, and they must provide equity in the business environment between women and men. Taken together these factors have a positive effect on worker performance and the attractiveness of the country for talent, two aspects that are growing more important as talent shortages loom on the horizon.

Eighth pillar: Financial market development

The recent economic crisis has highlighted the central role of a sound and well-functioning financial sector for economic activities. An efficient financial sector allocates the resources saved by a nation's citizens, as well as those entering the economy from abroad, to their most productive uses. It channels resources to those entrepreneurial or investment projects with the highest expected rates of return rather than to the politically connected. A thorough and proper assessment of risk is therefore a key ingredient of a sound financial market.

Business investment is also critical to productivity. Therefore economies require sophisticated financial markets that can make capital available for private-sector investment from such sources as loans from a sound banking sector, well-regulated securities exchanges, venture capital, and other financial products. In order to fulfill all those functions, the banking sector needs to be trustworthy and transparent, and—as has been made so clear recently—financial markets need appropriate regulation to protect investors and other actors in the economy at large.

Ninth pillar: Technological readiness

In today's globalized world, technology is increasingly essential for firms to compete and prosper. The technological readiness pillar measures the agility with which an economy adopts existing technologies to enhance the productivity of its industries, with specific emphasis on its capacity to fully leverage information and communication technologies (ICT) in daily activities and production processes for increased efficiency and enabling innovation for competitiveness.¹⁴ ICT has evolved into the “general purpose technology” of our time,¹⁵ given the critical spillovers to the other economic sectors and their role as industry-wide enabling infrastructure. Therefore ICT access and usage are key enablers of countries' overall technological readiness.

Whether the technology used has or has not been developed within national borders is irrelevant for its ability to enhance productivity. The central point is that the firms operating in the country need to have access to advanced products and blueprints and the ability to absorb and use them. Among the main sources of foreign technology, FDI often plays a key role, especially for countries at a lower stage of technological development. It is important to note that, in this context, the level of technology available to firms in a country needs to be distinguished from the country's ability to conduct blue-sky research and develop new technologies for innovation that expand the frontiers of knowledge. That is why we separate technological readiness from innovation, captured in the 12th pillar, described below.

Tenth pillar: Market size

The size of the market affects productivity since large markets allow firms to exploit economies of scale. Traditionally, the markets available to firms have been constrained by national borders. In the era of globalization, international markets can to a certain extent substitute for domestic markets, especially for small countries. Vast empirical evidence shows that trade openness is positively associated with growth. Even if some recent research casts doubts on the robustness of this relationship, there is a general sense that trade has a positive effect on growth, especially for countries with small domestic markets.¹⁶ The case of the European Union illustrates the importance of the market size for competitiveness, as important efficiency gains were realized through closer integration. Although the reduction of trade barriers and the harmonization of standards within the European Union have contributed to raising exports within the region, many barriers to a true single market, in particular in services, remain in place and lead to important border effects. Therefore we continue to use the size of the national domestic and foreign market in the Index.

Thus exports can be thought of as a substitute for domestic demand in determining the size of the market for the firms of a country.¹⁷ By including both domestic and foreign markets in our measure of market size, we give credit to export-driven economies and geographic areas (such as the European Union) that are divided into many countries but have a single common market.

Eleventh pillar: Business sophistication

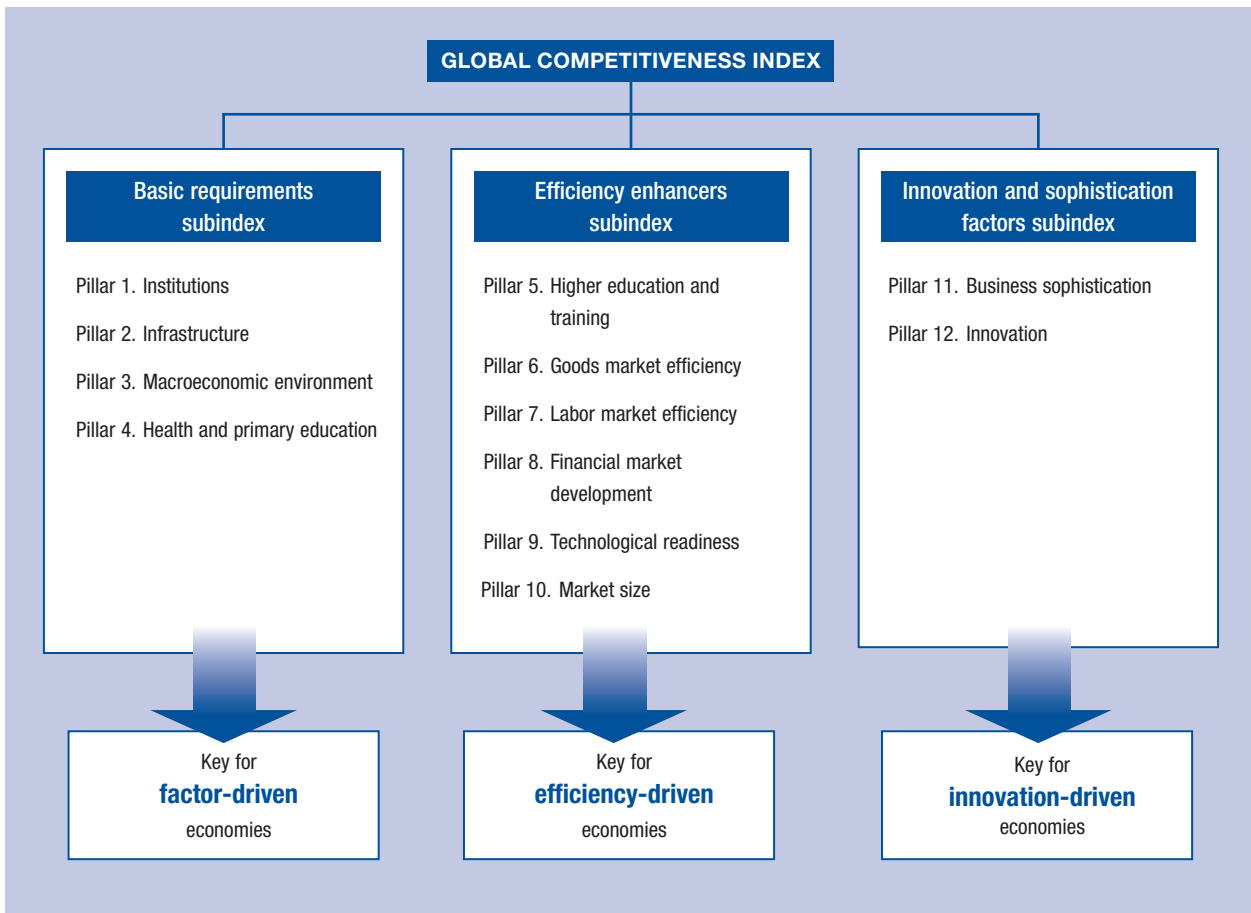
There is no doubt that sophisticated business practices are conducive to higher efficiency in the production of goods and services. Business sophistication concerns two elements that are intricately linked: the quality of a country's overall business networks and the quality of individual firms' operations and strategies. These factors are particularly important for countries at an advanced stage of development when, to a large extent, the more basic sources of productivity improvements have been exhausted. The quality of a country's business networks and supporting industries, as measured by the quantity and quality of local suppliers and the extent of their interaction, is important for a variety of reasons. When companies and suppliers from a particular sector are interconnected in geographically proximate groups, called *clusters*, efficiency is heightened, greater opportunities for innovation in processes and products are created, and barriers to entry for new firms are reduced. Individual firms' advanced operations and strategies (branding, marketing, distribution, advanced production processes, and the production of unique and sophisticated products) spill over into the economy and lead to sophisticated and modern business processes across the country's business sectors.

Twelfth pillar: Innovation

Innovation can emerge from new technological and non-technological knowledge. Non-technological innovations are closely related to the know-how, skills, and working conditions that are embedded in organizations and are therefore largely covered by the eleventh pillar of the GCI. The final pillar of competitiveness focuses on technological innovation. Although substantial gains can be obtained by improving institutions, building infrastructure, reducing macroeconomic instability, or improving human capital, all these factors eventually seem to run into diminishing returns. The same is true for the efficiency of the labor, financial, and goods markets. In the long run, standards of living can be largely enhanced by technological innovation. Technological breakthroughs have been at the basis of many of the productivity gains that our economies have historically experienced. These range from the industrial revolution in the 18th century and the invention of the steam engine and the generation of electricity to the more recent digital revolution. The latter is transforming not only the way things are being done, but also opening a wider range of new possibilities in terms of products and services. Innovation is particularly important for economies as they approach the frontiers of knowledge and the possibility of generating more value by only integrating and adapting exogenous technologies tends to disappear.¹⁸

Although less-advanced countries can still improve their productivity by adopting existing technologies or making incremental improvements in other areas, for those that have reached the innovation stage of development this is no longer sufficient for increasing productivity. Firms in these countries must design and develop cutting-edge products and processes to maintain a competitive edge and move toward higher-value-added activities. This progression requires an environment that is conducive to innovative activity and supported by both the public and the private sectors. In particular, it means sufficient investment in research and development (R&D), especially by the private sector; the presence of high-quality scientific research institutions that can generate the basic knowledge needed to build the new technologies; extensive collaboration in research and technological developments between universities and industry; and the protection of intellectual property, in addition to high levels of competition and access to venture capital and financing that are analyzed in other pillars of the Index. In light of the recent sluggish recovery and rising fiscal pressures faced by advanced economies, it is important that public and private sectors resist pressures to cut back on the R&D spending that will be so critical for sustainable growth going into the future.

Figure 1: The Global Competitiveness Index framework



Note: See the appendix for the detailed structure of the GCI.

The interrelation of the 12 pillars

While we report the results of the 12 pillars of competitiveness separately, it is important to keep in mind that they are not independent: they tend to reinforce each other, and a weakness in one area often has a negative impact in others. For example, a strong innovation capacity (pillar 12) will be very difficult to achieve without a healthy, well-educated and trained workforce (pillars 4 and 5) that is adept at absorbing new technologies (pillar 9), and without sufficient financing (pillar 8) for R&D or an efficient goods market that makes it possible to take new innovations to market (pillar 6). Although the pillars are aggregated into a single index, measures are reported for the 12 pillars separately because such details provide a sense of the specific areas in which a particular country needs to improve.

The appendix describes the exact composition of the GCI and technical details of its construction.

STAGES OF DEVELOPMENT AND THE WEIGHTED INDEX

While all of the pillars described above will matter to a certain extent for all economies, it is clear that they will affect them in different ways: the best way for Cambodia to improve its competitiveness is not the same as the

best way for France to do so. This is because Cambodia and France are in different stages of development: as countries move along the development path, wages tend to increase and, in order to sustain this higher income, labor productivity must improve.

In line with the economic theory of stages of development, the GCI assumes that economies in the first stage are mainly *factor-driven* and compete based on their factor endowments—primarily low-skilled labor and natural resources.¹⁹ Companies compete on the basis of price and sell basic products or commodities, with their low productivity reflected in low wages. Maintaining competitiveness at this stage of development hinges primarily on well-functioning public and private institutions (pillar 1), a well-developed infrastructure (pillar 2), a stable macroeconomic environment (pillar 3), and a healthy workforce that has received at least a basic education (pillar 4).

As a country becomes more competitive, productivity will increase and wages will rise with advancing development. Countries will then move into the *efficiency-driven* stage of development, when they must begin to develop more efficient production processes and increase product quality because wages have risen and they cannot increase prices. At

Table 1: Subindex weights and income thresholds for stages of development

| | STAGES OF DEVELOPMENT | | | | |
|--|---------------------------|---------------------------------------|-------------------------------|---------------------------------------|-------------------------------|
| | Stage 1: Factor-driven | Transition from stage 1 to stage 2 | Stage 2: Efficiency-driven | Transition from stage 2 to stage 3 | Stage 3: Innovation-driven |
| GDP per capita (US\$) thresholds* | <2,000 | 2,000–2,999 | 3,000–8,999 | 9,000–17,000 | >17,000 |
| Weight for basic requirements subindex | 60% | 40–60% | 40% | 20–40% | 20% |
| Weight for efficiency enhancers subindex | 35% | 35–50% | 50% | 50% | 50% |
| Weight for innovation and sophistication factors | 5% | 5–10% | 10% | 10–30% | 30% |

Note: See individual country/economy profiles for the exact applied weights.

* For economies with a high dependency on mineral resources, GDP per capita is not the sole criterion for the determination of the stage of development. See text for details.

this point, competitiveness is increasingly driven by higher education and training (pillar 5), efficient goods markets (pillar 6), well-functioning labor markets (pillar 7), developed financial markets (pillar 8), the ability to harness the benefits of existing technologies (pillar 9), and a large domestic or foreign market (pillar 10).

Finally, as countries move into the *innovation-driven* stage, wages will have risen by so much that they are able to sustain those higher wages and the associated standard of living only if their businesses are able to compete with new and/or unique products, services, models, and processes. At this stage, companies must compete by producing new and different goods through new technologies (pillar 12) and/or the most sophisticated production processes or business models (pillar 11).

The GCI takes the stages of development into account by attributing higher relative weights to those pillars that are more relevant for an economy given its particular stage of development. That is, although all 12 pillars matter to a certain extent for all countries, the relative importance of each one depends on a country's particular stage of development. To implement this concept, the pillars are organized into three subindexes, each critical to a particular stage of development.

The *basic requirements subindex* groups those pillars most critical for countries in the factor-driven stage. The *efficiency enhancers subindex* includes those pillars critical for countries in the efficiency-driven stage. And the *innovation and sophistication factors subindex* includes the pillars critical to countries in the innovation-driven stage. The three subindexes are shown in Figure 1.

The weights attributed to each subindex in every stage of development are shown in Table 1. To obtain the weights shown in the table, a maximum likelihood regression of GDP per capita was run against each subindex for past years, allowing for different coefficients for each stage of development.²⁰ The rounding of these econometric estimates led to the choice of weights displayed in Table 1.

Implementation of stages of development

Two criteria are used to allocate countries into stages of development. The first is the level of GDP per capita at market exchange rates. This widely available measure is used as a proxy for wages, because internationally comparable data on wages are not available for all countries covered. The thresholds used are also shown in Table 1. A second criterion is used to adjust for countries that are wealthy, but where prosperity is based on the extraction of resources. This is measured by the share of exports of mineral goods in total exports (goods and services), and assumes that countries that export more than 70 percent of mineral products (measured using a five-year average) are to a large extent factor driven.²¹

Any countries falling in between two of the three stages are considered to be “in transition.” For these countries, the weights change smoothly as a country develops, reflecting the smooth transition from one stage of development to another. This allows us to place increasingly more weight on those areas that are becoming more important for the country's competitiveness as the country develops, ensuring that the GCI can gradually “penalize” those countries that are not preparing for the next stage. The classification of countries into stages of development is shown in Table 2.

DATA SOURCES

To measure these concepts, the GCI uses statistical data such as enrollment rates, government debt, budget deficit, and life expectancy, which are obtained from internationally recognized agencies, notably the United Nations Educational, Scientific and Cultural Organization (UNESCO), the IMF, and the World Health Organization (WHO). The descriptions and data sources of all these statistical variables are presented in the Technical Notes and Sources at the end of this *Report*. Furthermore, the GCI uses data from the World Economic Forum's annual Executive Opinion Survey (Survey) to capture concepts that require a more qualitative assessment or for which internationally comparable statistical data

Table 2: Countries/economies at each stage of development

| Stage 1: Factor-driven (38 economies) | Transition from stage 1 to stage 2 (17 economies) | Stage 2: Efficiency-driven (33 economies) | Transition from stage 2 to stage 3 (21 economies) | Stage 3: Innovation-driven (35 economies) |
|---|---|---|---|---|
| Bangladesh | Algeria | Albania | Argentina | Australia |
| Benin | Azerbaijan | Armenia | Bahrain | Austria |
| Burkina Faso | Bolivia | Bosnia and Herzegovina | Barbados | Belgium |
| Burundi | Botswana | Bulgaria | Brazil | Canada |
| Cambodia | Brunei Darussalam | Cape Verde | Chile | Cyprus |
| Cameroon | Egypt | China | Croatia | Czech Republic |
| Chad | Gabon | Colombia | Estonia | Denmark |
| Côte d'Ivoire | Honduras | Costa Rica | Hungary | Finland |
| Ethiopia | Iran, Islamic rep. | Dominican Republic | Kazakhstan | France |
| Gambia, The | Kuwait | Ecuador | Latvia | Germany |
| Ghana | Libya | El Salvador | Lebanon | Greece |
| Guinea | Mongolia | Georgia | Lithuania | Hong Kong SAR |
| Haiti | Philippines | Guatemala | Malaysia | Iceland |
| India | Qatar | Guyana | Mexico | Ireland |
| Kenya | Saudi Arabia | Indonesia | Oman | Israel |
| Kyrgyz Republic | Sri Lanka | Jamaica | Poland | Italy |
| Lesotho | Venezuela | Jordan | Russian Federation | Japan |
| Liberia | | Macedonia, FYR | Seychelles | Korea, Rep. |
| Madagascar | | Mauritius | Trinidad and Tobago | Luxembourg |
| Malawi | | Montenegro | Turkey | Malta |
| Mali | | Morocco | Uruguay | Netherlands |
| Mauritania | | Namibia | | New Zealand |
| Moldova | | Panama | | Norway |
| Mozambique | | Paraguay | | Portugal |
| Nepal | | Peru | | Puerto Rico |
| Nicaragua | | Romania | | Singapore |
| Nigeria | | Serbia | | Slovak Republic |
| Pakistan | | South Africa | | Slovenia |
| Rwanda | | Suriname | | Spain |
| Senegal | | Swaziland | | Sweden |
| Sierra Leone | | Thailand | | Switzerland |
| Tajikistan | | Timor-Leste | | Taiwan, China |
| Tanzania | | Ukraine | | United Arab Emirates |
| Uganda | | | | United Kingdom |
| Vietnam | | | | United States |
| Yemen | | | | |
| Zambia | | | | |
| Zimbabwe | | | | |

are not available for the entire set of economies. The Survey process and the statistical treatment of data are described in detail in Chapter 1.3 of this *Report*.

ADJUSTMENTS TO THE GCI

A few minor adjustments have been made to the GCI structure this year. Within the *macroeconomic environment pillar (3rd)*, the interest rate spread has been removed from the Index because of limitations in the international comparability of these data. Furthermore, mobile broadband was added to the *technological readiness (9th)* pillar in order to take into account the rapidly expanding access to the Internet via mobile devices. And a variable capturing the extent to which governments provide services to the business community, which has been collected through the Executive Opinion Survey, was added to the *institutions pillar (1st)*. For the patent indicator in the *innovation pillar*

(*12th*), the source has been changed to include data based on the Patents Co-operations Treaty instead of the US Patent and Trademark Office (USPTO), which had been used until now. These data are collected and published jointly by the World Intellectual Property Organization and the Organisation for Economic Co-operation and Development (OECD). They record patent applications globally, not just in the United States, therefore eliminating a possible geographical bias.²² Finally, the Rigidity of Employment Index was dropped from the *labor market efficiency pillar (7th)*, as the World Bank ceased to provide this indicator.²³

COUNTRY COVERAGE

The coverage of this year has increased from 142 to 144 economies. The newly covered countries are Gabon, Guinea, Liberia, Seychelles, and Sierra Leone. Libya was re-included after a year of absence as we were

not able to conduct the Survey because of civil unrest in 2011. Three previously covered countries had to be excluded from this year's *Report*. Survey data could not be collected in Belize and Angola; in Syria, the security situation did not allow the Survey to be carried out. In the case of Tunisia we decided not to report the results this year because an important structural break in the data makes comparisons with past years difficult. We hope to re-include these countries in the future.

THE GLOBAL COMPETITIVENESS INDEX 2012–2013 RANKINGS

Tables 3 through 7 provide the detailed rankings of this year's GCI. The following sections discuss the findings of the GCI 2012–2013 for the top performers globally, as well as for a number of selected economies in each of the five following regions: Europe and North America, Asia and the Pacific, Latin America and the Caribbean, the Middle East and North Africa, and sub-Saharan Africa. Box 1 presents a comparative study of the GCI results, highlighting the profound and persisting competitiveness divide across and within the different world regions.

Top 10

As in previous years, this year's top 10 remain dominated by a number of European countries, with Switzerland, Finland, Sweden, the Netherlands, Germany, and the United Kingdom confirming their place among the most competitive economies. Along with the United States, three Asian economies also figure in top 10, with Singapore remaining the second-most competitive economy in the world, and Hong Kong SAR and Japan placing 9th and 10th.

Switzerland retains its 1st place position again this year as a result of its continuing strong performance across the board. The country's most notable strengths are related to innovation and labor market efficiency, where it tops the GCI rankings, as well as the sophistication of its business sector, which is ranked 2nd. Switzerland's scientific research institutions are among the world's best, and the strong collaboration between its academic and business sectors, combined with high company spending on R&D, ensures that much of this research is translated into marketable products and processes reinforced by strong intellectual property protection. This robust innovative capacity is captured by its high rate of patenting per capita, for which Switzerland ranks a remarkable 2nd worldwide. Productivity is further enhanced by a business sector that offers excellent on-the-job-training opportunities, both citizens and private companies that are proactive at adapting the latest technologies, and labor markets that balance employee protection with the interests of employers. Moreover, public institutions in Switzerland are among the most effective and transparent in the

world (5th). Governance structures ensure a level playing field, enhancing business confidence; these include an independent judiciary, a strong rule of law, and a highly accountable public sector. Competitiveness is also buttressed by excellent infrastructure (5th), well-functioning goods markets (7th), and highly developed financial markets (9th). Finally, Switzerland's macroeconomic environment is among the most stable in the world (8th) at a time when many neighboring economies continue to struggle in this area.

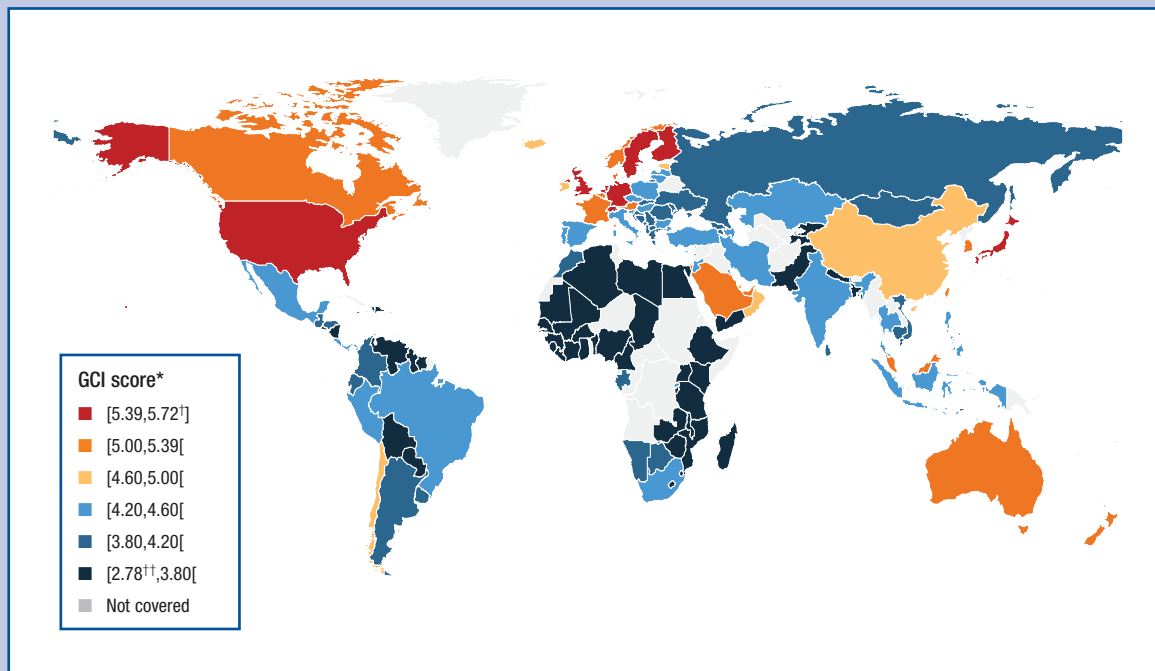
While Switzerland demonstrates many competitive strengths, maintaining its innovative capacity will require boosting university enrollment, which continues to lag behind that of many other high-innovation countries, although this has been increasing in recent years.

Singapore retains its place at 2nd position as a result of an outstanding performance across the entire Index. The country features in the top 3 in seven of the 12 categories of the Index and appears in the top 10 of three others. Its public and private institutions are rated as the best in the world for the fifth year in a row. It also ranks 1st for the efficiency of its goods and labor markets, and places 2nd in terms of financial market development. Singapore also has world-class infrastructure (2nd), with excellent roads, ports, and air transport facilities. In addition, the country's competitiveness is reinforced by a strong focus on education, which has translated into a steady improvement in the higher education and training pillar (2nd) in recent years, thus providing individuals with the skills needed for a rapidly changing global economy.

Finland moves up one place since last year to reach 3rd position on the back of small improvements in a number of areas. Similar to other countries in the region, the country boasts well-functioning and highly transparent public institutions (2nd), topping several indicators included in this category. Its private institutions, ranked 3rd overall, are also seen to be among the best run and most ethical in the world. Finland occupies the top position both in the health and primary education pillar as well as the higher education and training pillar, the result of a strong focus on education over recent decades. This has provided the workforce with the skills needed to adapt rapidly to a changing environment and has laid the groundwork for high levels of technological adoption and innovation. Finland is one of the most innovative countries in Europe, ranking 2nd, behind only Switzerland, on the related pillar. Improving the country's capacity to adopt the latest technologies (ranked 25th) could lead to important synergies that in turn could corroborate the country's position as one of the world's most innovative economies. Finland's macroeconomic environment weakens slightly on the back of rising inflation (above 3 percent), but fares comparatively well when contrasted with other euro-area economies.

Box 1: Competitiveness from above: The GCI heat map

Figure 1: The GCI heat map



* The interval $[x,y]$ is inclusive of x but exclusive of y . [†]Highest value; ^{††}lowest value.

Figure 1 identifies the competitiveness “hotspots” and the regions or countries with weak performance according to the Global Competitiveness Index (GCI). The 10 best-performing countries are shaded dark red. The remaining countries are colored in intermediate tones moving from orange, the second-best performing group, through yellow, light blue, medium blue, and dark blue; this last color identifies the least-competitive nations according to the GCI.

The map reveals that the hotspots remain concentrated in Europe, North America, and a handful of advanced economies in Asia and the Pacific. Despite decades of brisk economic growth in some developing regions (such as Latin America and Africa), the map reveals that the profound competitiveness gap of these regions with more advanced economies persists. This competitiveness deficit in vast swaths of the developing world raises questions about the sustainability of growth patterns.

Sub-Saharan Africa, for example, continues to face the biggest competitiveness challenges of all regions (see Box 5). As shown on the map, a vast majority of the continent’s countries covered in this *Report* fall into the group of least-competitive economies (dark blue). Out of the region’s 32 countries included in the GCI, only Botswana, Gabon, Namibia, the Seychelles (medium blue), Mauritius, Rwanda, and South Africa (light blue) are in the next higher categories.

With six of the ten best-performing countries, **Northern and Western Europe** is a competitiveness hotspot. The assessment is considerably bleaker when looking at Southern and Eastern Europe. On the map, the patchwork of colors—ranging from dark red to medium blue—reveals the

“competitiveness divide” within Europe. Indeed, the lack of competitiveness of several of its members is among the root causes of the current difficulties in the euro zone (see Box 2). The map also shows that within the European Union the traditional distinction made between the 15 original members and the 12 countries that joined after 2004 does not hold from a competitiveness point of view.

The map draws a mixed picture of Asia, too. Scattered across the region, the **Asian Tigers** and **Japan** can be considered competitiveness hotspots. Within this group of five advanced economies, Singapore, Hong Kong SAR, and Japan enter the top 10, and Taiwan (China), and the Republic of Korea rank only a few notches behind. The developing nations of **Southeast Asia** are not yet competitiveness champions, but their group performance is quite remarkable. Led by Malaysia, all these economies achieve a GCI score above 4.0, the theoretical average of the GCI, and none of them falls into the lowest, dark-blue category. This contrasts starkly with the situation in **South Asia**, where best-performing India ranks a middling 59th and several countries appear in dark blue, including Pakistan and Bangladesh.

In the **Middle East and North Africa**, Israel and the six members of the Gulf Cooperation Council perform strongly. But elsewhere in the region, the lack of competitiveness of the Levantine and North African countries is worrisome. Finally, the map also reveals that the **BRICS** do not form a uniform group in terms of competitiveness, as seen on the map where China is the only member appearing in a relatively strong yellow.

Table 3: The Global Competitiveness Index 2012–2013 rankings and 2011–2012 comparisons

| Country/Economy | GCI 2012–2013 | | | GCI 2011–2012 rank | Country/Economy | GCI 2012–2013 | | | GCI 2011–2012 rank |
|----------------------|---------------|-------------|---------------------------------|--------------------|------------------------|---------------|-------------|---------------------------------|--------------------|
| | Rank/144 | Score (1–7) | Rank among GCI 2011–2012 sample | | | Rank/144 | Score (1–7) | Rank among GCI 2011–2012 sample | |
| Switzerland | 1 | 5.72 | 1 | 1 | Ukraine | 73 | 4.14 | 73 | 82 |
| Singapore | 2 | 5.67 | 2 | 2 | Uruguay | 74 | 4.13 | 74 | 63 |
| Finland | 3 | 5.55 | 3 | 4 | Vietnam | 75 | 4.11 | 75 | 65 |
| Sweden | 4 | 5.53 | 4 | 3 | Seychelles | 76 | 4.10 | n/a | n/a |
| Netherlands | 5 | 5.50 | 5 | 7 | Georgia | 77 | 4.07 | 76 | 88 |
| Germany | 6 | 5.48 | 6 | 6 | Romania | 78 | 4.07 | 77 | 77 |
| United States | 7 | 5.47 | 7 | 5 | Botswana | 79 | 4.06 | 78 | 80 |
| United Kingdom | 8 | 5.45 | 8 | 10 | Macedonia, FYR | 80 | 4.04 | 79 | 79 |
| Hong Kong SAR | 9 | 5.41 | 9 | 11 | Croatia | 81 | 4.04 | 80 | 76 |
| Japan | 10 | 5.40 | 10 | 9 | Armenia | 82 | 4.02 | 81 | 92 |
| Qatar | 11 | 5.38 | 11 | 14 | Guatemala | 83 | 4.01 | 82 | 84 |
| Denmark | 12 | 5.29 | 12 | 8 | Trinidad and Tobago | 84 | 4.01 | 83 | 81 |
| Taiwan, China | 13 | 5.28 | 13 | 13 | Cambodia | 85 | 4.01 | 84 | 97 |
| Canada | 14 | 5.27 | 14 | 12 | Ecuador | 86 | 3.94 | 85 | 101 |
| Norway | 15 | 5.27 | 15 | 16 | Moldova | 87 | 3.94 | 86 | 93 |
| Austria | 16 | 5.22 | 16 | 19 | Bosnia and Herzegovina | 88 | 3.93 | 87 | 100 |
| Belgium | 17 | 5.21 | 17 | 15 | Albania | 89 | 3.91 | 88 | 78 |
| Saudi Arabia | 18 | 5.19 | 18 | 17 | Honduras | 90 | 3.88 | 89 | 86 |
| Korea, Rep. | 19 | 5.12 | 19 | 24 | Lebanon | 91 | 3.88 | 90 | 89 |
| Australia | 20 | 5.12 | 20 | 20 | Namibia | 92 | 3.88 | 91 | 83 |
| France | 21 | 5.11 | 21 | 18 | Mongolia | 93 | 3.87 | 92 | 96 |
| Luxembourg | 22 | 5.09 | 22 | 23 | Argentina | 94 | 3.87 | 93 | 85 |
| New Zealand | 23 | 5.09 | 23 | 25 | Serbia | 95 | 3.87 | 94 | 95 |
| United Arab Emirates | 24 | 5.07 | 24 | 27 | Greece | 96 | 3.86 | 95 | 90 |
| Malaysia | 25 | 5.06 | 25 | 21 | Jamaica | 97 | 3.84 | 96 | 107 |
| Israel | 26 | 5.02 | 26 | 22 | Gambia, The | 98 | 3.83 | 97 | 99 |
| Ireland | 27 | 4.91 | 27 | 29 | Gabon | 99 | 3.82 | n/a | n/a |
| Brunei Darussalam | 28 | 4.87 | 28 | 28 | Tajikistan | 100 | 3.80 | 98 | 105 |
| China | 29 | 4.83 | 29 | 26 | El Salvador | 101 | 3.80 | 99 | 91 |
| Iceland | 30 | 4.74 | 30 | 30 | Zambia | 102 | 3.80 | 100 | 113 |
| Puerto Rico | 31 | 4.67 | 31 | 35 | Ghana | 103 | 3.79 | 101 | 114 |
| Oman | 32 | 4.65 | 32 | 32 | Bolivia | 104 | 3.78 | 102 | 103 |
| Chile | 33 | 4.65 | 33 | 31 | Dominican Republic | 105 | 3.77 | 103 | 110 |
| Estonia | 34 | 4.64 | 34 | 33 | Kenya | 106 | 3.75 | 104 | 102 |
| Bahrain | 35 | 4.63 | 35 | 37 | Egypt | 107 | 3.73 | 105 | 94 |
| Spain | 36 | 4.60 | 36 | 36 | Nicaragua | 108 | 3.73 | 106 | 115 |
| Kuwait | 37 | 4.56 | 37 | 34 | Guyana | 109 | 3.73 | 107 | 109 |
| Thailand | 38 | 4.52 | 38 | 39 | Algeria | 110 | 3.72 | 108 | 87 |
| Czech Republic | 39 | 4.51 | 39 | 38 | Liberia | 111 | 3.71 | n/a | n/a |
| Panama | 40 | 4.49 | 40 | 49 | Cameroon | 112 | 3.69 | 109 | 116 |
| Poland | 41 | 4.46 | 41 | 41 | Libya | 113 | 3.68 | n/a | n/a |
| Italy | 42 | 4.46 | 42 | 43 | Suriname | 114 | 3.68 | 110 | 112 |
| Turkey | 43 | 4.45 | 43 | 59 | Nigeria | 115 | 3.67 | 111 | 127 |
| Barbados | 44 | 4.42 | 44 | 42 | Paraguay | 116 | 3.67 | 112 | 122 |
| Lithuania | 45 | 4.41 | 45 | 44 | Senegal | 117 | 3.66 | 113 | 111 |
| Azerbaijan | 46 | 4.41 | 46 | 55 | Bangladesh | 118 | 3.65 | 114 | 108 |
| Malta | 47 | 4.41 | 47 | 51 | Benin | 119 | 3.61 | 115 | 104 |
| Brazil | 48 | 4.40 | 48 | 53 | Tanzania | 120 | 3.60 | 116 | 120 |
| Portugal | 49 | 4.40 | 49 | 45 | Ethiopia | 121 | 3.55 | 117 | 106 |
| Indonesia | 50 | 4.40 | 50 | 46 | Cape Verde | 122 | 3.55 | 118 | 119 |
| Kazakhstan | 51 | 4.38 | 51 | 72 | Uganda | 123 | 3.53 | 119 | 121 |
| South Africa | 52 | 4.37 | 52 | 50 | Pakistan | 124 | 3.52 | 120 | 118 |
| Mexico | 53 | 4.36 | 53 | 58 | Nepal | 125 | 3.49 | 121 | 125 |
| Mauritius | 54 | 4.35 | 54 | 54 | Venezuela | 126 | 3.46 | 122 | 124 |
| Latvia | 55 | 4.35 | 55 | 64 | Kyrgyz Republic | 127 | 3.44 | 123 | 126 |
| Slovenia | 56 | 4.34 | 56 | 57 | Mali | 128 | 3.43 | 124 | 128 |
| Costa Rica | 57 | 4.34 | 57 | 61 | Malawi | 129 | 3.38 | 125 | 117 |
| Cyprus | 58 | 4.32 | 58 | 47 | Madagascar | 130 | 3.38 | 126 | 130 |
| India | 59 | 4.32 | 59 | 56 | Côte d'Ivoire | 131 | 3.36 | 127 | 129 |
| Hungary | 60 | 4.30 | 60 | 48 | Zimbabwe | 132 | 3.34 | 128 | 132 |
| Peru | 61 | 4.28 | 61 | 67 | Burkina Faso | 133 | 3.34 | 129 | 136 |
| Bulgaria | 62 | 4.27 | 62 | 74 | Mauritania | 134 | 3.32 | 130 | 137 |
| Rwanda | 63 | 4.24 | 63 | 70 | Swaziland | 135 | 3.28 | 131 | 134 |
| Jordan | 64 | 4.23 | 64 | 71 | Timor-Leste | 136 | 3.27 | 132 | 131 |
| Philippines | 65 | 4.23 | 65 | 75 | Lesotho | 137 | 3.19 | 133 | 135 |
| Iran, Islamic Rep. | 66 | 4.22 | 66 | 62 | Mozambique | 138 | 3.17 | 134 | 133 |
| Russian Federation | 67 | 4.20 | 67 | 66 | Chad | 139 | 3.05 | 135 | 142 |
| Sri Lanka | 68 | 4.19 | 68 | 52 | Yemen | 140 | 2.97 | 136 | 138 |
| Colombia | 69 | 4.18 | 69 | 68 | Guinea | 141 | 2.90 | n/a | n/a |
| Morocco | 70 | 4.15 | 70 | 73 | Haiti | 142 | 2.90 | 137 | 141 |
| Slovak Republic | 71 | 4.14 | 71 | 69 | Sierra Leone | 143 | 2.82 | n/a | n/a |
| Montenegro | 72 | 4.14 | 72 | 60 | Burundi | 144 | 2.78 | 138 | 140 |

Table 4: The Global Competitiveness Index 2012–2013

| Country/Economy | SUBINDEXES | | | | | | | |
|----------------------|---------------|-------|--------------------|-------|----------------------|-------|---------------------------------------|-------|
| | OVERALL INDEX | | Basic requirements | | Efficiency enhancers | | Innovation and sophistication factors | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Switzerland | 1 | 5.72 | 2 | 6.22 | 5 | 5.48 | 1 | 5.79 |
| Singapore | 2 | 5.67 | 1 | 6.34 | 1 | 5.65 | 11 | 5.27 |
| Finland | 3 | 5.55 | 4 | 6.03 | 9 | 5.30 | 3 | 5.62 |
| Sweden | 4 | 5.53 | 6 | 6.01 | 8 | 5.32 | 5 | 5.56 |
| Netherlands | 5 | 5.50 | 10 | 5.92 | 7 | 5.35 | 6 | 5.47 |
| Germany | 6 | 5.48 | 11 | 5.86 | 10 | 5.27 | 4 | 5.57 |
| United States | 7 | 5.47 | 33 | 5.12 | 2 | 5.63 | 7 | 5.42 |
| United Kingdom | 8 | 5.45 | 24 | 5.51 | 4 | 5.50 | 9 | 5.32 |
| Hong Kong SAR | 9 | 5.41 | 3 | 6.14 | 3 | 5.54 | 22 | 4.73 |
| Japan | 10 | 5.40 | 29 | 5.30 | 11 | 5.27 | 2 | 5.67 |
| Qatar | 11 | 5.38 | 7 | 5.96 | 22 | 4.93 | 15 | 5.02 |
| Denmark | 12 | 5.29 | 16 | 5.68 | 15 | 5.15 | 12 | 5.24 |
| Taiwan, China | 13 | 5.28 | 17 | 5.67 | 12 | 5.24 | 14 | 5.08 |
| Canada | 14 | 5.27 | 14 | 5.71 | 6 | 5.41 | 21 | 4.74 |
| Norway | 15 | 5.27 | 9 | 5.95 | 16 | 5.15 | 16 | 5.00 |
| Austria | 16 | 5.22 | 20 | 5.63 | 19 | 5.01 | 10 | 5.30 |
| Belgium | 17 | 5.21 | 22 | 5.52 | 17 | 5.09 | 13 | 5.21 |
| Saudi Arabia | 18 | 5.19 | 13 | 5.74 | 26 | 4.84 | 29 | 4.47 |
| Korea, Rep. | 19 | 5.12 | 18 | 5.66 | 20 | 5.00 | 17 | 4.96 |
| Australia | 20 | 5.12 | 12 | 5.75 | 13 | 5.20 | 28 | 4.56 |
| France | 21 | 5.11 | 23 | 5.52 | 18 | 5.04 | 18 | 4.96 |
| Luxembourg | 22 | 5.09 | 8 | 5.96 | 24 | 4.87 | 19 | 4.89 |
| New Zealand | 23 | 5.09 | 19 | 5.65 | 14 | 5.16 | 27 | 4.60 |
| United Arab Emirates | 24 | 5.07 | 5 | 6.03 | 21 | 4.94 | 25 | 4.64 |
| Malaysia | 25 | 5.06 | 27 | 5.38 | 23 | 4.89 | 23 | 4.70 |
| Israel | 26 | 5.02 | 37 | 5.10 | 27 | 4.79 | 8 | 5.33 |
| Ireland | 27 | 4.91 | 35 | 5.11 | 25 | 4.85 | 20 | 4.87 |
| Brunei Darussalam | 28 | 4.87 | 21 | 5.56 | 68 | 4.05 | 62 | 3.64 |
| China | 29 | 4.83 | 31 | 5.25 | 30 | 4.64 | 34 | 4.05 |
| Iceland | 30 | 4.74 | 30 | 5.27 | 36 | 4.54 | 24 | 4.69 |
| Puerto Rico | 31 | 4.67 | 48 | 4.86 | 33 | 4.61 | 26 | 4.64 |
| Oman | 32 | 4.65 | 15 | 5.69 | 45 | 4.40 | 44 | 3.91 |
| Chile | 33 | 4.65 | 28 | 5.35 | 32 | 4.63 | 45 | 3.87 |
| Estonia | 34 | 4.64 | 26 | 5.47 | 31 | 4.63 | 33 | 4.06 |
| Bahrain | 35 | 4.63 | 25 | 5.47 | 35 | 4.58 | 53 | 3.74 |
| Spain | 36 | 4.60 | 36 | 5.11 | 29 | 4.67 | 31 | 4.14 |
| Kuwait | 37 | 4.56 | 32 | 5.21 | 75 | 3.98 | 86 | 3.36 |
| Thailand | 38 | 4.52 | 45 | 4.89 | 47 | 4.38 | 55 | 3.72 |
| Czech Republic | 39 | 4.51 | 44 | 4.89 | 34 | 4.59 | 32 | 4.13 |
| Panama | 40 | 4.49 | 50 | 4.83 | 50 | 4.36 | 48 | 3.83 |
| Poland | 41 | 4.46 | 61 | 4.66 | 28 | 4.69 | 61 | 3.66 |
| Italy | 42 | 4.46 | 51 | 4.81 | 41 | 4.44 | 30 | 4.24 |
| Turkey | 43 | 4.45 | 57 | 4.75 | 42 | 4.42 | 50 | 3.79 |
| Barbados | 44 | 4.42 | 38 | 5.09 | 49 | 4.37 | 38 | 3.97 |
| Lithuania | 45 | 4.41 | 49 | 4.84 | 46 | 4.38 | 47 | 3.83 |
| Azerbaijan | 46 | 4.41 | 56 | 4.76 | 67 | 4.05 | 57 | 3.68 |
| Malta | 47 | 4.41 | 34 | 5.12 | 40 | 4.46 | 46 | 3.85 |
| Brazil | 48 | 4.40 | 73 | 4.49 | 38 | 4.52 | 39 | 3.97 |
| Portugal | 49 | 4.40 | 40 | 4.96 | 44 | 4.40 | 37 | 4.01 |
| Indonesia | 50 | 4.40 | 58 | 4.74 | 58 | 4.20 | 40 | 3.96 |
| Kazakhstan | 51 | 4.38 | 47 | 4.86 | 56 | 4.24 | 104 | 3.25 |
| South Africa | 52 | 4.37 | 84 | 4.28 | 37 | 4.53 | 42 | 3.94 |
| Mexico | 53 | 4.36 | 63 | 4.64 | 53 | 4.31 | 49 | 3.79 |
| Mauritius | 54 | 4.35 | 52 | 4.80 | 62 | 4.14 | 63 | 3.63 |
| Latvia | 55 | 4.35 | 54 | 4.79 | 48 | 4.37 | 68 | 3.57 |
| Slovenia | 56 | 4.34 | 39 | 5.05 | 55 | 4.25 | 36 | 4.02 |
| Costa Rica | 57 | 4.34 | 67 | 4.61 | 60 | 4.18 | 35 | 4.04 |
| Cyprus | 58 | 4.32 | 42 | 4.94 | 43 | 4.41 | 51 | 3.77 |
| India | 59 | 4.32 | 85 | 4.26 | 39 | 4.48 | 43 | 3.94 |
| Hungary | 60 | 4.30 | 55 | 4.78 | 52 | 4.32 | 58 | 3.68 |
| Peru | 61 | 4.28 | 69 | 4.57 | 57 | 4.23 | 94 | 3.31 |
| Bulgaria | 62 | 4.27 | 65 | 4.63 | 59 | 4.18 | 97 | 3.30 |
| Rwanda | 63 | 4.24 | 70 | 4.56 | 94 | 3.77 | 60 | 3.66 |
| Jordan | 64 | 4.23 | 66 | 4.61 | 70 | 4.03 | 52 | 3.74 |
| Philippines | 65 | 4.23 | 80 | 4.35 | 61 | 4.17 | 64 | 3.60 |
| Iran, Islamic Rep. | 66 | 4.22 | 59 | 4.69 | 90 | 3.81 | 77 | 3.46 |
| Russian Federation | 67 | 4.20 | 53 | 4.79 | 54 | 4.26 | 108 | 3.16 |
| Sri Lanka | 68 | 4.19 | 72 | 4.50 | 77 | 3.96 | 41 | 3.96 |
| Colombia | 69 | 4.18 | 77 | 4.40 | 63 | 4.13 | 66 | 3.58 |
| Morocco | 70 | 4.15 | 68 | 4.60 | 79 | 3.94 | 84 | 3.38 |
| Slovak Republic | 71 | 4.14 | 62 | 4.64 | 51 | 4.33 | 74 | 3.50 |
| Montenegro | 72 | 4.14 | 74 | 4.49 | 74 | 3.99 | 69 | 3.57 |

(Cont'd.)

Table 4: The Global Competitiveness Index 2012–2013 (cont'd.)

| Country/Economy | SUBINDEXES | | | | | | | |
|------------------------|---------------|-------|--------------------|-------|----------------------|-------|---------------------------------------|-------|
| | OVERALL INDEX | | Basic requirements | | Efficiency enhancers | | Innovation and sophistication factors | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Ukraine | 73 | 4.14 | 79 | 4.35 | 65 | 4.11 | 79 | 3.43 |
| Uruguay | 74 | 4.13 | 43 | 4.91 | 73 | 4.00 | 78 | 3.46 |
| Vietnam | 75 | 4.11 | 91 | 4.22 | 71 | 4.02 | 90 | 3.32 |
| Seychelles | 76 | 4.10 | 46 | 4.86 | 91 | 3.81 | 87 | 3.36 |
| Georgia | 77 | 4.07 | 64 | 4.63 | 87 | 3.84 | 120 | 3.00 |
| Romania | 78 | 4.07 | 90 | 4.22 | 64 | 4.12 | 106 | 3.20 |
| Botswana | 79 | 4.06 | 78 | 4.38 | 89 | 3.82 | 82 | 3.40 |
| Macedonia, FYR | 80 | 4.04 | 71 | 4.52 | 84 | 3.85 | 110 | 3.13 |
| Croatia | 81 | 4.04 | 60 | 4.68 | 72 | 4.01 | 83 | 3.39 |
| Armenia | 82 | 4.02 | 76 | 4.41 | 82 | 3.86 | 98 | 3.29 |
| Guatemala | 83 | 4.01 | 88 | 4.23 | 81 | 3.92 | 70 | 3.56 |
| Trinidad and Tobago | 84 | 4.01 | 41 | 4.95 | 83 | 3.85 | 89 | 3.33 |
| Cambodia | 85 | 4.01 | 97 | 4.14 | 85 | 3.84 | 72 | 3.53 |
| Ecuador | 86 | 3.94 | 75 | 4.42 | 100 | 3.68 | 93 | 3.32 |
| Moldova | 87 | 3.94 | 93 | 4.16 | 99 | 3.71 | 131 | 2.85 |
| Bosnia and Herzegovina | 88 | 3.93 | 81 | 4.33 | 97 | 3.75 | 99 | 3.28 |
| Albania | 89 | 3.91 | 87 | 4.24 | 92 | 3.80 | 113 | 3.11 |
| Honduras | 90 | 3.88 | 101 | 4.08 | 102 | 3.66 | 91 | 3.32 |
| Lebanon | 91 | 3.88 | 116 | 3.79 | 66 | 4.06 | 81 | 3.41 |
| Namibia | 92 | 3.88 | 82 | 4.33 | 105 | 3.64 | 103 | 3.25 |
| Mongolia | 93 | 3.87 | 92 | 4.17 | 96 | 3.76 | 112 | 3.11 |
| Argentina | 94 | 3.87 | 96 | 4.15 | 86 | 3.84 | 88 | 3.35 |
| Serbia | 95 | 3.87 | 95 | 4.15 | 88 | 3.83 | 124 | 2.96 |
| Greece | 96 | 3.86 | 98 | 4.13 | 69 | 4.05 | 85 | 3.37 |
| Jamaica | 97 | 3.84 | 114 | 3.82 | 80 | 3.93 | 80 | 3.41 |
| Gambia, The | 98 | 3.83 | 103 | 4.01 | 114 | 3.54 | 54 | 3.74 |
| Gabon | 99 | 3.82 | 86 | 4.25 | 116 | 3.52 | 139 | 2.64 |
| Tajikistan | 100 | 3.80 | 105 | 3.97 | 112 | 3.56 | 76 | 3.46 |
| El Salvador | 101 | 3.80 | 99 | 4.13 | 103 | 3.66 | 107 | 3.16 |
| Zambia | 102 | 3.80 | 108 | 3.92 | 108 | 3.61 | 67 | 3.57 |
| Ghana | 103 | 3.79 | 112 | 3.85 | 95 | 3.77 | 102 | 3.27 |
| Bolivia | 104 | 3.78 | 94 | 4.15 | 122 | 3.35 | 100 | 3.28 |
| Dominican Republic | 105 | 3.77 | 111 | 3.88 | 93 | 3.79 | 105 | 3.25 |
| Kenya | 106 | 3.75 | 123 | 3.62 | 76 | 3.97 | 56 | 3.68 |
| Egypt | 107 | 3.73 | 110 | 3.91 | 101 | 3.67 | 96 | 3.31 |
| Nicaragua | 108 | 3.73 | 104 | 3.99 | 119 | 3.38 | 116 | 3.05 |
| Guyana | 109 | 3.73 | 107 | 3.93 | 109 | 3.61 | 71 | 3.54 |
| Algeria | 110 | 3.72 | 89 | 4.22 | 136 | 3.08 | 144 | 2.31 |
| Liberia | 111 | 3.71 | 109 | 3.92 | 121 | 3.36 | 59 | 3.67 |
| Cameroon | 112 | 3.69 | 115 | 3.80 | 111 | 3.57 | 95 | 3.31 |
| Libya | 113 | 3.68 | 102 | 4.06 | 131 | 3.19 | 127 | 2.92 |
| Suriname | 114 | 3.68 | 83 | 4.29 | 124 | 3.32 | 117 | 3.01 |
| Nigeria | 115 | 3.67 | 130 | 3.52 | 78 | 3.96 | 73 | 3.53 |
| Paraguay | 116 | 3.67 | 106 | 3.94 | 110 | 3.59 | 123 | 2.97 |
| Senegal | 117 | 3.66 | 120 | 3.68 | 106 | 3.63 | 65 | 3.59 |
| Bangladesh | 118 | 3.65 | 119 | 3.72 | 107 | 3.62 | 122 | 2.98 |
| Benin | 119 | 3.61 | 113 | 3.83 | 125 | 3.31 | 111 | 3.12 |
| Tanzania | 120 | 3.60 | 122 | 3.65 | 113 | 3.55 | 92 | 3.32 |
| Ethiopia | 121 | 3.55 | 118 | 3.74 | 123 | 3.33 | 125 | 2.96 |
| Cape Verde | 122 | 3.55 | 100 | 4.08 | 128 | 3.22 | 119 | 3.01 |
| Uganda | 123 | 3.53 | 132 | 3.48 | 104 | 3.66 | 101 | 3.27 |
| Pakistan | 124 | 3.52 | 134 | 3.41 | 98 | 3.71 | 75 | 3.47 |
| Nepal | 125 | 3.49 | 121 | 3.65 | 126 | 3.30 | 133 | 2.82 |
| Venezuela | 126 | 3.46 | 126 | 3.54 | 117 | 3.46 | 135 | 2.78 |
| Kyrgyz Republic | 127 | 3.44 | 128 | 3.52 | 118 | 3.40 | 140 | 2.63 |
| Mali | 128 | 3.43 | 125 | 3.55 | 127 | 3.26 | 114 | 3.11 |
| Malawi | 129 | 3.38 | 135 | 3.40 | 120 | 3.37 | 109 | 3.16 |
| Madagascar | 130 | 3.38 | 129 | 3.52 | 132 | 3.18 | 115 | 3.08 |
| Côte d'Ivoire | 131 | 3.36 | 137 | 3.29 | 115 | 3.53 | 121 | 2.99 |
| Zimbabwe | 132 | 3.34 | 127 | 3.53 | 135 | 3.08 | 128 | 2.90 |
| Burkina Faso | 133 | 3.34 | 133 | 3.45 | 129 | 3.22 | 126 | 2.94 |
| Mauritania | 134 | 3.32 | 124 | 3.60 | 142 | 2.88 | 118 | 3.01 |
| Swaziland | 135 | 3.28 | 131 | 3.49 | 130 | 3.21 | 134 | 2.80 |
| Timor-Leste | 136 | 3.27 | 117 | 3.78 | 138 | 2.97 | 136 | 2.73 |
| Lesotho | 137 | 3.19 | 136 | 3.32 | 137 | 3.05 | 137 | 2.72 |
| Mozambique | 138 | 3.17 | 138 | 3.22 | 133 | 3.10 | 130 | 2.89 |
| Chad | 139 | 3.05 | 139 | 3.15 | 141 | 2.91 | 129 | 2.89 |
| Yemen | 140 | 2.97 | 141 | 3.01 | 139 | 2.95 | 141 | 2.50 |
| Guinea | 141 | 2.90 | 143 | 2.80 | 134 | 3.10 | 132 | 2.82 |
| Haiti | 142 | 2.90 | 140 | 3.02 | 143 | 2.76 | 143 | 2.41 |
| Sierra Leone | 143 | 2.82 | 144 | 2.77 | 140 | 2.94 | 138 | 2.69 |
| Burundi | 144 | 2.78 | 142 | 2.94 | 144 | 2.56 | 142 | 2.42 |

Note: Ranks out of 144 economies and scores measured on a 1-to-7 scale.

Table 5: The Global Competitiveness Index 2012–2013: Basic requirements

| Country/Economy | PILLARS | | | | | | | | | |
|------------------------|--------------------|-------|-----------------|-------|-------------------|-------|------------------------------|-------|---------------------------------|-------|
| | BASIC REQUIREMENTS | | 1. Institutions | | 2. Infrastructure | | 3. Macroeconomic environment | | 4. Health and primary education | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Albania | 87 | 4.24 | 84 | 3.65 | 91 | 3.48 | 98 | 4.27 | 79 | 5.56 |
| Algeria | 89 | 4.22 | 141 | 2.66 | 100 | 3.16 | 23 | 5.71 | 93 | 5.37 |
| Argentina | 96 | 4.15 | 138 | 2.85 | 86 | 3.58 | 94 | 4.33 | 59 | 5.82 |
| Armenia | 76 | 4.41 | 71 | 3.90 | 80 | 3.71 | 83 | 4.50 | 80 | 5.53 |
| Australia | 12 | 5.75 | 18 | 5.27 | 18 | 5.70 | 26 | 5.57 | 13 | 6.46 |
| Austria | 20 | 5.63 | 25 | 5.04 | 15 | 5.80 | 33 | 5.35 | 20 | 6.32 |
| Azerbaijan | 56 | 4.76 | 63 | 3.98 | 71 | 3.94 | 18 | 6.05 | 107 | 5.08 |
| Bahrain | 25 | 5.47 | 21 | 5.13 | 29 | 5.19 | 29 | 5.50 | 38 | 6.07 |
| Bangladesh | 119 | 3.72 | 127 | 3.20 | 134 | 2.22 | 100 | 4.24 | 103 | 5.20 |
| Barbados | 38 | 5.09 | 24 | 5.06 | 22 | 5.58 | 134 | 3.32 | 16 | 6.41 |
| Belgium | 22 | 5.52 | 27 | 5.00 | 21 | 5.68 | 66 | 4.66 | 2 | 6.75 |
| Benin | 113 | 3.83 | 99 | 3.51 | 122 | 2.56 | 76 | 4.57 | 111 | 4.68 |
| Bolivia | 94 | 4.15 | 119 | 3.31 | 108 | 2.95 | 49 | 5.02 | 97 | 5.32 |
| Bosnia and Herzegovina | 81 | 4.33 | 85 | 3.64 | 94 | 3.44 | 97 | 4.31 | 48 | 5.93 |
| Botswana | 78 | 4.38 | 33 | 4.82 | 87 | 3.58 | 81 | 4.52 | 114 | 4.60 |
| Brazil | 73 | 4.49 | 79 | 3.78 | 70 | 4.00 | 62 | 4.73 | 88 | 5.43 |
| Brunei Darussalam | 21 | 5.56 | 31 | 4.86 | 57 | 4.20 | 1 | 7.00 | 31 | 6.18 |
| Bulgaria | 65 | 4.63 | 108 | 3.39 | 76 | 3.79 | 31 | 5.42 | 49 | 5.92 |
| Burkina Faso | 133 | 3.45 | 83 | 3.66 | 136 | 2.18 | 85 | 4.48 | 139 | 3.48 |
| Burundi | 142 | 2.94 | 142 | 2.59 | 141 | 1.87 | 137 | 3.15 | 127 | 4.16 |
| Cambodia | 97 | 4.14 | 73 | 3.84 | 104 | 3.08 | 91 | 4.39 | 102 | 5.25 |
| Cameroon | 115 | 3.80 | 107 | 3.40 | 125 | 2.51 | 59 | 4.79 | 118 | 4.49 |
| Canada | 14 | 5.71 | 11 | 5.52 | 13 | 5.84 | 51 | 4.90 | 7 | 6.58 |
| Cape Verde | 100 | 4.08 | 57 | 4.07 | 114 | 2.80 | 121 | 3.80 | 71 | 5.66 |
| Chad | 139 | 3.15 | 140 | 2.73 | 140 | 1.89 | 45 | 5.12 | 144 | 2.85 |
| Chile | 28 | 5.35 | 28 | 4.97 | 45 | 4.62 | 14 | 6.15 | 74 | 5.64 |
| China | 31 | 5.25 | 50 | 4.22 | 48 | 4.46 | 11 | 6.22 | 35 | 6.11 |
| Colombia | 77 | 4.40 | 109 | 3.38 | 93 | 3.44 | 34 | 5.34 | 85 | 5.45 |
| Costa Rica | 67 | 4.61 | 53 | 4.13 | 74 | 3.80 | 65 | 4.68 | 57 | 5.82 |
| Côte d'Ivoire | 137 | 3.29 | 129 | 3.16 | 102 | 3.10 | 130 | 3.48 | 140 | 3.40 |
| Croatia | 60 | 4.68 | 98 | 3.52 | 44 | 4.65 | 60 | 4.75 | 60 | 5.81 |
| Cyprus | 42 | 4.94 | 40 | 4.59 | 39 | 4.80 | 117 | 3.86 | 9 | 6.50 |
| Czech Republic | 44 | 4.89 | 82 | 3.67 | 38 | 4.81 | 42 | 5.19 | 53 | 5.87 |
| Denmark | 16 | 5.68 | 14 | 5.40 | 16 | 5.74 | 32 | 5.40 | 29 | 6.19 |
| Dominican Republic | 111 | 3.88 | 126 | 3.21 | 105 | 3.02 | 105 | 4.17 | 106 | 5.13 |
| Ecuador | 75 | 4.42 | 131 | 3.16 | 90 | 3.51 | 37 | 5.30 | 67 | 5.73 |
| Egypt | 110 | 3.91 | 96 | 3.56 | 83 | 3.61 | 138 | 3.12 | 94 | 5.35 |
| El Salvador | 99 | 4.13 | 134 | 3.02 | 72 | 3.93 | 103 | 4.18 | 90 | 5.38 |
| Estonia | 26 | 5.47 | 30 | 4.94 | 41 | 4.72 | 20 | 6.01 | 27 | 6.21 |
| Ethiopia | 118 | 3.74 | 74 | 3.83 | 119 | 2.65 | 114 | 3.92 | 116 | 4.56 |
| Finland | 4 | 6.03 | 3 | 6.03 | 23 | 5.58 | 24 | 5.70 | 1 | 6.82 |
| France | 23 | 5.52 | 32 | 4.83 | 4 | 6.28 | 68 | 4.64 | 21 | 6.31 |
| Gabon | 86 | 4.25 | 67 | 3.94 | 117 | 2.71 | 9 | 6.25 | 128 | 4.11 |
| Gambia, The | 103 | 4.01 | 35 | 4.67 | 82 | 3.61 | 129 | 3.58 | 126 | 4.17 |
| Georgia | 64 | 4.63 | 61 | 4.00 | 53 | 4.35 | 88 | 4.40 | 61 | 5.79 |
| Germany | 11 | 5.86 | 16 | 5.31 | 3 | 6.36 | 30 | 5.48 | 22 | 6.30 |
| Ghana | 112 | 3.85 | 75 | 3.82 | 110 | 2.87 | 108 | 4.07 | 112 | 4.65 |
| Greece | 98 | 4.13 | 111 | 3.37 | 43 | 4.70 | 144 | 2.42 | 41 | 6.04 |
| Guatemala | 88 | 4.23 | 124 | 3.25 | 75 | 3.79 | 77 | 4.56 | 95 | 5.34 |
| Guinea | 143 | 2.80 | 128 | 3.18 | 142 | 1.86 | 142 | 2.63 | 138 | 3.52 |
| Guyana | 107 | 3.93 | 100 | 3.50 | 109 | 2.91 | 109 | 4.02 | 99 | 5.29 |
| Haiti | 140 | 3.02 | 143 | 2.49 | 144 | 1.54 | 86 | 4.44 | 134 | 3.62 |
| Honduras | 101 | 4.08 | 118 | 3.32 | 101 | 3.12 | 80 | 4.53 | 96 | 5.34 |
| Hong Kong SAR | 3 | 6.14 | 10 | 5.53 | 1 | 6.72 | 15 | 6.07 | 26 | 6.24 |
| Hungary | 55 | 4.78 | 80 | 3.70 | 50 | 4.39 | 44 | 5.15 | 51 | 5.89 |
| Iceland | 30 | 5.27 | 23 | 5.09 | 20 | 5.69 | 123 | 3.73 | 6 | 6.58 |
| India | 85 | 4.26 | 70 | 3.91 | 84 | 3.60 | 99 | 4.25 | 101 | 5.27 |
| Indonesia | 58 | 4.74 | 72 | 3.86 | 78 | 3.75 | 25 | 5.68 | 70 | 5.69 |
| Iran, Islamic Rep. | 59 | 4.69 | 68 | 3.93 | 69 | 4.03 | 57 | 4.83 | 46 | 5.97 |
| Ireland | 35 | 5.11 | 19 | 5.22 | 25 | 5.34 | 131 | 3.44 | 12 | 6.46 |
| Israel | 37 | 5.10 | 34 | 4.75 | 36 | 4.89 | 64 | 4.72 | 40 | 6.04 |
| Italy | 51 | 4.81 | 97 | 3.56 | 28 | 5.19 | 102 | 4.23 | 25 | 6.27 |
| Jamaica | 114 | 3.82 | 87 | 3.62 | 85 | 3.59 | 141 | 2.89 | 104 | 5.19 |
| Japan | 29 | 5.30 | 22 | 5.13 | 11 | 5.92 | 124 | 3.67 | 10 | 6.50 |
| Jordan | 66 | 4.61 | 42 | 4.50 | 60 | 4.17 | 112 | 3.94 | 56 | 5.84 |
| Kazakhstan | 47 | 4.86 | 66 | 3.96 | 67 | 4.05 | 16 | 6.07 | 92 | 5.37 |
| Kenya | 123 | 3.62 | 106 | 3.43 | 103 | 3.09 | 133 | 3.39 | 115 | 4.58 |
| Korea, Rep. | 18 | 5.66 | 62 | 3.98 | 9 | 5.92 | 10 | 6.25 | 11 | 6.49 |
| Kuwait | 32 | 5.21 | 51 | 4.20 | 52 | 4.38 | 4 | 6.58 | 72 | 5.66 |
| Kyrgyz Republic | 128 | 3.52 | 137 | 2.92 | 121 | 2.59 | 132 | 3.41 | 105 | 5.18 |
| Latvia | 54 | 4.79 | 59 | 4.01 | 64 | 4.11 | 46 | 5.06 | 45 | 5.99 |
| Lebanon | 116 | 3.79 | 125 | 3.22 | 127 | 2.46 | 135 | 3.32 | 32 | 6.18 |

(Cont'd.)

Table 5: The Global Competitiveness Index 2012–2013: Basic requirements (cont'd.)

| Country/Economy | PILLARS | | | | | | | | | |
|----------------------|--------------------|-------|-----------------|-------|-------------------|-------|------------------------------|-------|---------------------------------|-------|
| | BASIC REQUIREMENTS | | 1. Institutions | | 2. Infrastructure | | 3. Macroeconomic environment | | 4. Health and primary education | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Lesotho | 136 | 3.32 | 121 | 3.30 | 126 | 2.50 | 113 | 3.93 | 136 | 3.54 |
| Liberia | 109 | 3.92 | 45 | 4.31 | 115 | 2.77 | 82 | 4.51 | 130 | 4.10 |
| Libya | 102 | 4.06 | 81 | 3.69 | 88 | 3.56 | 73 | 4.60 | 121 | 4.40 |
| Lithuania | 49 | 4.84 | 60 | 4.01 | 40 | 4.74 | 75 | 4.57 | 39 | 6.05 |
| Luxembourg | 8 | 5.96 | 9 | 5.60 | 12 | 5.84 | 12 | 6.18 | 28 | 6.20 |
| Macedonia, FYR | 71 | 4.52 | 78 | 3.80 | 81 | 3.65 | 47 | 5.04 | 77 | 5.59 |
| Madagascar | 129 | 3.52 | 136 | 2.94 | 137 | 2.13 | 95 | 4.33 | 110 | 4.68 |
| Malawi | 135 | 3.40 | 76 | 3.82 | 135 | 2.19 | 136 | 3.30 | 124 | 4.30 |
| Malaysia | 27 | 5.38 | 29 | 4.94 | 32 | 5.09 | 35 | 5.34 | 33 | 6.16 |
| Mali | 125 | 3.55 | 120 | 3.31 | 107 | 2.96 | 74 | 4.59 | 141 | 3.36 |
| Malta | 34 | 5.12 | 37 | 4.61 | 34 | 4.91 | 71 | 4.60 | 19 | 6.34 |
| Mauritania | 124 | 3.60 | 122 | 3.29 | 113 | 2.82 | 89 | 4.40 | 133 | 3.88 |
| Mauritius | 52 | 4.80 | 39 | 4.59 | 54 | 4.32 | 87 | 4.41 | 54 | 5.85 |
| Mexico | 63 | 4.64 | 92 | 3.59 | 68 | 4.03 | 40 | 5.21 | 68 | 5.71 |
| Moldova | 93 | 4.16 | 110 | 3.38 | 92 | 3.46 | 93 | 4.35 | 86 | 5.44 |
| Mongolia | 92 | 4.17 | 113 | 3.34 | 112 | 2.83 | 52 | 4.89 | 76 | 5.60 |
| Montenegro | 74 | 4.49 | 44 | 4.38 | 66 | 4.06 | 118 | 3.85 | 73 | 5.65 |
| Morocco | 68 | 4.60 | 54 | 4.12 | 61 | 4.14 | 70 | 4.62 | 81 | 5.53 |
| Mozambique | 138 | 3.22 | 112 | 3.35 | 129 | 2.36 | 125 | 3.66 | 137 | 3.52 |
| Namibia | 82 | 4.33 | 52 | 4.19 | 59 | 4.18 | 84 | 4.50 | 120 | 4.44 |
| Nepal | 121 | 3.65 | 123 | 3.26 | 143 | 1.81 | 56 | 4.85 | 109 | 4.69 |
| Netherlands | 10 | 5.92 | 7 | 5.72 | 7 | 6.18 | 41 | 5.20 | 5 | 6.60 |
| New Zealand | 19 | 5.65 | 2 | 6.06 | 30 | 5.18 | 61 | 4.75 | 4 | 6.63 |
| Nicaragua | 104 | 3.99 | 114 | 3.34 | 106 | 2.97 | 101 | 4.24 | 89 | 5.43 |
| Nigeria | 130 | 3.52 | 117 | 3.33 | 130 | 2.28 | 39 | 5.25 | 142 | 3.20 |
| Norway | 9 | 5.95 | 8 | 5.66 | 27 | 5.19 | 3 | 6.60 | 18 | 6.34 |
| Oman | 15 | 5.69 | 17 | 5.29 | 33 | 5.04 | 5 | 6.56 | 52 | 5.88 |
| Pakistan | 134 | 3.41 | 115 | 3.34 | 116 | 2.73 | 139 | 3.06 | 117 | 4.52 |
| Panama | 50 | 4.83 | 69 | 3.92 | 37 | 4.82 | 53 | 4.88 | 69 | 5.70 |
| Paraguay | 106 | 3.94 | 135 | 3.00 | 123 | 2.54 | 43 | 5.19 | 108 | 5.03 |
| Peru | 69 | 4.57 | 105 | 3.44 | 89 | 3.51 | 21 | 5.95 | 91 | 5.38 |
| Philippines | 80 | 4.35 | 94 | 3.57 | 98 | 3.19 | 36 | 5.33 | 98 | 5.31 |
| Poland | 61 | 4.66 | 55 | 4.11 | 73 | 3.89 | 72 | 4.60 | 43 | 6.03 |
| Portugal | 40 | 4.96 | 46 | 4.28 | 24 | 5.50 | 116 | 3.87 | 30 | 6.19 |
| Puerto Rico | 48 | 4.86 | 38 | 4.61 | 58 | 4.18 | 48 | 5.04 | 75 | 5.61 |
| Qatar | 7 | 5.96 | 4 | 5.77 | 31 | 5.12 | 2 | 6.66 | 23 | 6.29 |
| Romania | 90 | 4.22 | 116 | 3.33 | 97 | 3.22 | 58 | 4.83 | 83 | 5.51 |
| Russian Federation | 53 | 4.79 | 133 | 3.09 | 47 | 4.52 | 22 | 5.80 | 65 | 5.75 |
| Rwanda | 70 | 4.56 | 20 | 5.20 | 96 | 3.22 | 78 | 4.56 | 100 | 5.27 |
| Saudi Arabia | 13 | 5.74 | 15 | 5.35 | 26 | 5.23 | 6 | 6.55 | 58 | 5.82 |
| Seychelles | 46 | 4.86 | 47 | 4.25 | 42 | 4.71 | 79 | 4.55 | 47 | 5.95 |
| Senegal | 120 | 3.68 | 90 | 3.60 | 124 | 2.51 | 92 | 4.37 | 125 | 4.23 |
| Serbia | 95 | 4.15 | 130 | 3.16 | 77 | 3.78 | 115 | 3.91 | 66 | 5.73 |
| Sierra Leone | 144 | 2.77 | 95 | 3.56 | 138 | 2.09 | 143 | 2.47 | 143 | 2.95 |
| Singapore | 1 | 6.34 | 1 | 6.07 | 2 | 6.50 | 17 | 6.06 | 3 | 6.73 |
| Slovak Republic | 62 | 4.64 | 104 | 3.44 | 56 | 4.23 | 54 | 4.87 | 42 | 6.03 |
| Slovenia | 39 | 5.05 | 58 | 4.05 | 35 | 4.91 | 50 | 4.94 | 24 | 6.29 |
| South Africa | 84 | 4.28 | 43 | 4.42 | 63 | 4.13 | 69 | 4.63 | 132 | 3.93 |
| Spain | 36 | 5.11 | 48 | 4.25 | 10 | 5.92 | 104 | 4.17 | 36 | 6.09 |
| Sri Lanka | 72 | 4.50 | 49 | 4.24 | 62 | 4.13 | 127 | 3.66 | 44 | 5.99 |
| Suriname | 83 | 4.29 | 93 | 3.59 | 79 | 3.74 | 96 | 4.32 | 82 | 5.52 |
| Swaziland | 131 | 3.49 | 88 | 3.61 | 99 | 3.17 | 128 | 3.60 | 135 | 3.57 |
| Sweden | 6 | 6.01 | 6 | 5.73 | 19 | 5.69 | 13 | 6.16 | 14 | 6.46 |
| Switzerland | 2 | 6.22 | 5 | 5.75 | 5 | 6.22 | 8 | 6.38 | 8 | 6.54 |
| Taiwan, China | 17 | 5.67 | 26 | 5.00 | 17 | 5.72 | 28 | 5.51 | 15 | 6.45 |
| Tajikistan | 105 | 3.97 | 65 | 3.96 | 118 | 2.66 | 120 | 3.82 | 87 | 5.43 |
| Tanzania | 122 | 3.65 | 86 | 3.62 | 132 | 2.27 | 107 | 4.12 | 113 | 4.60 |
| Thailand | 45 | 4.89 | 77 | 3.82 | 46 | 4.62 | 27 | 5.55 | 78 | 5.56 |
| Timor-Leste | 117 | 3.78 | 103 | 3.45 | 131 | 2.27 | 38 | 5.29 | 131 | 4.09 |
| Trinidad and Tobago | 41 | 4.95 | 91 | 3.59 | 55 | 4.30 | 19 | 6.05 | 55 | 5.85 |
| Turkey | 57 | 4.75 | 64 | 3.98 | 51 | 4.38 | 55 | 4.86 | 63 | 5.78 |
| Uganda | 132 | 3.48 | 102 | 3.49 | 133 | 2.27 | 119 | 3.83 | 123 | 4.35 |
| Ukraine | 79 | 4.35 | 132 | 3.13 | 65 | 4.10 | 90 | 4.40 | 62 | 5.78 |
| United Arab Emirates | 5 | 6.03 | 12 | 5.50 | 8 | 6.12 | 7 | 6.41 | 37 | 6.08 |
| United Kingdom | 24 | 5.51 | 13 | 5.41 | 6 | 6.22 | 110 | 4.01 | 17 | 6.39 |
| United States | 33 | 5.12 | 41 | 4.59 | 14 | 5.81 | 111 | 3.97 | 34 | 6.11 |
| Uruguay | 43 | 4.91 | 36 | 4.63 | 49 | 4.40 | 63 | 4.72 | 50 | 5.90 |
| Venezuela | 126 | 3.54 | 144 | 2.36 | 120 | 2.64 | 126 | 3.66 | 84 | 5.49 |
| Vietnam | 91 | 4.22 | 89 | 3.61 | 95 | 3.34 | 106 | 4.16 | 64 | 5.77 |
| Yemen | 141 | 3.01 | 139 | 2.77 | 139 | 2.01 | 140 | 2.90 | 122 | 4.39 |
| Zambia | 108 | 3.92 | 56 | 4.09 | 111 | 2.85 | 67 | 4.65 | 129 | 4.11 |
| Zimbabwe | 127 | 3.53 | 101 | 3.50 | 128 | 2.40 | 122 | 3.77 | 119 | 4.47 |

Note: Ranks out of 144 economies and scores measured on a 1-to-7 scale.

Table 6: The Global Competitiveness Index 2012–2013: Efficiency enhancers

| Country/Economy | PILLARS | | | | | | | | | | | | | |
|------------------------|----------------------|-------|----------------------------------|-------|----------------------------|-------|----------------------------|-------|---------------------------------|-------|----------------------------|-------|-----------------|-------|
| | EFFICIENCY ENHANCERS | | 5. Higher education and training | | 6. Goods market efficiency | | 7. Labor market efficiency | | 8. Financial market development | | 9. Technological readiness | | 10. Market size | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Albania | 92 | 3.80 | 76 | 4.11 | 58 | 4.33 | 68 | 4.40 | 120 | 3.38 | 77 | 3.69 | 98 | 2.89 |
| Algeria | 136 | 3.08 | 108 | 3.38 | 143 | 2.99 | 144 | 2.79 | 142 | 2.39 | 133 | 2.59 | 49 | 4.34 |
| Argentina | 86 | 3.84 | 53 | 4.59 | 140 | 3.18 | 140 | 3.29 | 131 | 3.18 | 67 | 3.85 | 23 | 4.94 |
| Armenia | 82 | 3.86 | 70 | 4.22 | 72 | 4.22 | 30 | 4.72 | 78 | 3.97 | 92 | 3.40 | 115 | 2.62 |
| Australia | 13 | 5.20 | 11 | 5.64 | 24 | 4.87 | 42 | 4.60 | 8 | 5.35 | 19 | 5.61 | 21 | 5.10 |
| Austria | 19 | 5.01 | 18 | 5.48 | 22 | 4.91 | 32 | 4.69 | 34 | 4.65 | 17 | 5.70 | 36 | 4.62 |
| Azerbaijan | 67 | 4.05 | 89 | 3.91 | 60 | 4.31 | 26 | 4.80 | 98 | 3.73 | 61 | 4.04 | 76 | 3.51 |
| Bahrain | 35 | 4.58 | 34 | 4.93 | 16 | 5.10 | 21 | 4.89 | 18 | 4.99 | 39 | 4.72 | 103 | 2.86 |
| Bangladesh | 107 | 3.62 | 126 | 2.88 | 95 | 4.10 | 117 | 3.91 | 95 | 3.74 | 125 | 2.74 | 47 | 4.36 |
| Barbados | 49 | 4.37 | 19 | 5.38 | 64 | 4.29 | 29 | 4.75 | 33 | 4.66 | 30 | 5.14 | 134 | 1.97 |
| Belgium | 17 | 5.09 | 4 | 5.81 | 15 | 5.12 | 50 | 4.54 | 31 | 4.68 | 22 | 5.57 | 27 | 4.81 |
| Benin | 125 | 3.31 | 120 | 3.07 | 132 | 3.66 | 67 | 4.40 | 112 | 3.55 | 124 | 2.75 | 122 | 2.45 |
| Bolivia | 122 | 3.35 | 92 | 3.83 | 138 | 3.40 | 132 | 3.58 | 126 | 3.33 | 127 | 2.73 | 82 | 3.25 |
| Bosnia and Herzegovina | 97 | 3.75 | 72 | 4.18 | 109 | 3.92 | 99 | 4.08 | 119 | 3.41 | 68 | 3.84 | 93 | 3.07 |
| Botswana | 89 | 3.82 | 95 | 3.74 | 78 | 4.20 | 60 | 4.46 | 53 | 4.39 | 106 | 3.17 | 97 | 2.94 |
| Brazil | 38 | 4.52 | 66 | 4.27 | 104 | 3.94 | 69 | 4.39 | 46 | 4.45 | 48 | 4.43 | 9 | 5.63 |
| Brunei Darussalam | 68 | 4.05 | 57 | 4.40 | 73 | 4.22 | 13 | 5.07 | 56 | 4.27 | 64 | 3.95 | 124 | 2.39 |
| Bulgaria | 59 | 4.18 | 63 | 4.31 | 83 | 4.17 | 49 | 4.54 | 80 | 3.97 | 52 | 4.30 | 62 | 3.82 |
| Burkina Faso | 129 | 3.22 | 137 | 2.50 | 118 | 3.80 | 64 | 4.42 | 117 | 3.43 | 137 | 2.52 | 114 | 2.64 |
| Burundi | 144 | 2.56 | 143 | 1.98 | 139 | 3.28 | 112 | 3.97 | 144 | 2.31 | 144 | 2.22 | 140 | 1.57 |
| Cambodia | 85 | 3.84 | 111 | 3.32 | 50 | 4.42 | 28 | 4.78 | 64 | 4.11 | 100 | 3.28 | 89 | 3.15 |
| Cameroon | 111 | 3.57 | 115 | 3.25 | 89 | 4.15 | 58 | 4.48 | 105 | 3.64 | 126 | 2.73 | 87 | 3.18 |
| Canada | 6 | 5.41 | 15 | 5.57 | 13 | 5.12 | 4 | 5.45 | 11 | 5.28 | 20 | 5.60 | 13 | 5.45 |
| Cape Verde | 128 | 3.22 | 99 | 3.65 | 105 | 3.93 | 126 | 3.72 | 121 | 3.37 | 90 | 3.43 | 143 | 1.25 |
| Chad | 141 | 2.91 | 140 | 2.34 | 141 | 3.08 | 95 | 4.12 | 137 | 3.01 | 143 | 2.23 | 112 | 2.70 |
| Chile | 32 | 4.63 | 46 | 4.72 | 30 | 4.74 | 34 | 4.68 | 28 | 4.73 | 44 | 4.48 | 42 | 4.44 |
| China | 30 | 4.64 | 62 | 4.32 | 59 | 4.31 | 41 | 4.60 | 54 | 4.31 | 88 | 3.50 | 2 | 6.82 |
| Colombia | 63 | 4.13 | 67 | 4.27 | 99 | 3.98 | 88 | 4.17 | 67 | 4.10 | 80 | 3.62 | 31 | 4.65 |
| Costa Rica | 60 | 4.18 | 41 | 4.78 | 62 | 4.30 | 52 | 4.51 | 101 | 3.67 | 46 | 4.45 | 81 | 3.35 |
| Côte d'Ivoire | 115 | 3.53 | 123 | 2.99 | 122 | 3.78 | 71 | 4.38 | 103 | 3.65 | 99 | 3.32 | 94 | 3.05 |
| Croatia | 72 | 4.01 | 56 | 4.47 | 114 | 3.85 | 106 | 4.00 | 92 | 3.79 | 50 | 4.36 | 71 | 3.57 |
| Cyprus | 43 | 4.41 | 32 | 4.98 | 33 | 4.68 | 44 | 4.57 | 38 | 4.56 | 37 | 4.85 | 106 | 2.81 |
| Czech Republic | 34 | 4.59 | 38 | 4.87 | 41 | 4.53 | 75 | 4.32 | 57 | 4.25 | 31 | 5.06 | 40 | 4.51 |
| Denmark | 15 | 5.15 | 14 | 5.59 | 19 | 5.03 | 8 | 5.22 | 30 | 4.69 | 3 | 6.17 | 53 | 4.22 |
| Dominican Republic | 93 | 3.79 | 97 | 3.69 | 101 | 3.97 | 107 | 4.00 | 96 | 3.74 | 78 | 3.68 | 65 | 3.66 |
| Ecuador | 100 | 3.68 | 91 | 3.84 | 129 | 3.70 | 135 | 3.49 | 110 | 3.58 | 82 | 3.59 | 60 | 3.90 |
| Egypt | 101 | 3.67 | 109 | 3.32 | 125 | 3.76 | 142 | 3.06 | 102 | 3.67 | 91 | 3.43 | 29 | 4.77 |
| El Salvador | 103 | 3.66 | 105 | 3.45 | 74 | 4.21 | 121 | 3.86 | 81 | 3.95 | 102 | 3.26 | 83 | 3.23 |
| Estonia | 31 | 4.63 | 25 | 5.17 | 31 | 4.73 | 10 | 5.11 | 39 | 4.51 | 25 | 5.29 | 96 | 2.98 |
| Ethiopia | 123 | 3.33 | 134 | 2.67 | 120 | 3.79 | 87 | 4.18 | 129 | 3.24 | 140 | 2.48 | 66 | 3.64 |
| Finland | 9 | 5.30 | 1 | 6.18 | 18 | 5.05 | 15 | 5.00 | 4 | 5.50 | 10 | 5.92 | 54 | 4.18 |
| France | 18 | 5.04 | 27 | 5.14 | 46 | 4.47 | 66 | 4.41 | 27 | 4.73 | 14 | 5.72 | 8 | 5.76 |
| Gabon | 116 | 3.52 | 122 | 3.05 | 126 | 3.73 | 63 | 4.43 | 106 | 3.62 | 86 | 3.53 | 110 | 2.74 |
| Gambia, The | 114 | 3.54 | 94 | 3.77 | 94 | 4.10 | 31 | 4.72 | 69 | 4.07 | 109 | 3.13 | 141 | 1.42 |
| Georgia | 87 | 3.84 | 93 | 3.82 | 82 | 4.18 | 35 | 4.67 | 93 | 3.79 | 76 | 3.71 | 99 | 2.87 |
| Germany | 10 | 5.27 | 5 | 5.80 | 21 | 4.92 | 53 | 4.51 | 32 | 4.66 | 15 | 5.71 | 5 | 6.02 |
| Ghana | 95 | 3.77 | 107 | 3.40 | 76 | 4.20 | 97 | 4.08 | 59 | 4.21 | 108 | 3.13 | 70 | 3.57 |
| Greece | 69 | 4.05 | 43 | 4.74 | 108 | 3.92 | 133 | 3.56 | 132 | 3.13 | 43 | 4.54 | 46 | 4.38 |
| Guatemala | 81 | 3.92 | 104 | 3.52 | 66 | 4.29 | 90 | 4.16 | 41 | 4.48 | 87 | 3.52 | 73 | 3.54 |
| Guinea | 134 | 3.10 | 136 | 2.60 | 127 | 3.71 | 56 | 4.49 | 135 | 3.07 | 142 | 2.45 | 129 | 2.27 |
| Guyana | 109 | 3.61 | 87 | 3.97 | 84 | 4.17 | 85 | 4.23 | 86 | 3.87 | 94 | 3.39 | 132 | 2.03 |
| Haiti | 143 | 2.76 | 144 | 1.90 | 142 | 3.03 | 83 | 4.24 | 141 | 2.55 | 138 | 2.49 | 127 | 2.35 |
| Honduras | 102 | 3.66 | 106 | 3.43 | 92 | 4.10 | 134 | 3.52 | 51 | 4.43 | 97 | 3.34 | 88 | 3.16 |
| Hong Kong SAR | 3 | 5.54 | 22 | 5.26 | 2 | 5.44 | 3 | 5.65 | 1 | 5.89 | 4 | 6.16 | 26 | 4.82 |
| Hungary | 52 | 4.32 | 49 | 4.67 | 67 | 4.28 | 79 | 4.27 | 72 | 4.05 | 49 | 4.43 | 52 | 4.25 |
| Iceland | 36 | 4.54 | 13 | 5.60 | 45 | 4.47 | 12 | 5.10 | 97 | 3.74 | 8 | 5.99 | 126 | 2.36 |
| India | 39 | 4.48 | 86 | 3.97 | 75 | 4.21 | 82 | 4.24 | 21 | 4.90 | 96 | 3.36 | 3 | 6.24 |
| Indonesia | 58 | 4.20 | 73 | 4.17 | 63 | 4.29 | 120 | 3.87 | 70 | 4.07 | 85 | 3.56 | 16 | 5.27 |
| Iran, Islamic Rep. | 90 | 3.81 | 78 | 4.10 | 98 | 4.00 | 141 | 3.18 | 123 | 3.35 | 111 | 3.08 | 18 | 5.16 |
| Ireland | 25 | 4.85 | 20 | 5.30 | 9 | 5.24 | 16 | 5.00 | 108 | 3.60 | 12 | 5.82 | 56 | 4.13 |
| Israel | 27 | 4.79 | 28 | 5.07 | 43 | 4.51 | 40 | 4.61 | 17 | 5.03 | 29 | 5.23 | 51 | 4.30 |
| Italy | 41 | 4.44 | 45 | 4.73 | 65 | 4.29 | 127 | 3.72 | 111 | 3.57 | 40 | 4.71 | 10 | 5.63 |
| Jamaica | 80 | 3.93 | 75 | 4.12 | 80 | 4.19 | 77 | 4.32 | 55 | 4.30 | 73 | 3.80 | 100 | 2.86 |
| Japan | 11 | 5.27 | 21 | 5.28 | 20 | 4.98 | 20 | 4.89 | 36 | 4.63 | 16 | 5.70 | 4 | 6.13 |
| Jordan | 70 | 4.03 | 55 | 4.49 | 44 | 4.50 | 101 | 4.02 | 65 | 4.11 | 69 | 3.82 | 84 | 3.23 |
| Kazakhstan | 56 | 4.24 | 58 | 4.37 | 71 | 4.24 | 19 | 4.98 | 115 | 3.49 | 55 | 4.20 | 55 | 4.14 |
| Kenya | 76 | 3.97 | 100 | 3.59 | 93 | 4.10 | 39 | 4.62 | 24 | 4.74 | 101 | 3.27 | 75 | 3.52 |
| Korea, Rep. | 20 | 5.00 | 17 | 5.52 | 29 | 4.75 | 73 | 4.35 | 71 | 4.06 | 18 | 5.70 | 11 | 5.60 |
| Kuwait | 75 | 3.98 | 82 | 4.01 | 90 | 4.14 | 98 | 4.08 | 76 | 4.00 | 74 | 3.77 | 61 | 3.88 |
| Kyrgyz Republic | 118 | 3.40 | 98 | 3.66 | 123 | 3.78 | 72 | 4.36 | 118 | 3.42 | 130 | 2.63 | 117 | 2.58 |
| Latvia | 48 | 4.37 | 42 | 4.78 | 47 | 4.42 | 27 | 4.78 | 52 | 4.40 | 38 | 4.73 | 91 | 3.11 |
| Lebanon | 66 | 4.06 | 48 | 4.70 | 36 | 4.57 | 105 | 4.00 | 66 | 4.10 | 93 | 3.39 | 69 | 3.59 |

(Cont'd.)

Table 6: The Global Competitiveness Index 2012–2013: Efficiency enhancers (cont'd.)

| Country/Economy | PILLARS | | | | | | | | | | | | | |
|----------------------|----------------------|-------|----------------------------------|-------|----------------------------|-------|----------------------------|-------|---------------------------------|-------|----------------------------|-------|-----------------|-------|
| | EFFICIENCY ENHANCERS | | 5. Higher education and training | | 6. Goods market efficiency | | 7. Labor market efficiency | | 8. Financial market development | | 9. Technological readiness | | 10. Market size | |
| | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score |
| Lesotho | 137 | 3.05 | 135 | 2.65 | 102 | 3.97 | 116 | 3.92 | 122 | 3.36 | 136 | 2.53 | 136 | 1.86 |
| Liberia | 121 | 3.36 | 114 | 3.30 | 40 | 4.54 | 61 | 4.45 | 74 | 4.03 | 132 | 2.62 | 144 | 1.24 |
| Libya | 131 | 3.19 | 103 | 3.56 | 137 | 3.45 | 137 | 3.46 | 140 | 2.68 | 110 | 3.11 | 102 | 2.86 |
| Lithuania | 46 | 4.38 | 26 | 5.15 | 56 | 4.36 | 65 | 4.41 | 87 | 3.86 | 33 | 5.00 | 74 | 3.53 |
| Luxembourg | 24 | 4.87 | 44 | 4.74 | 4 | 5.32 | 37 | 4.65 | 12 | 5.21 | 2 | 6.21 | 92 | 3.07 |
| Macedonia, FYR | 84 | 3.85 | 81 | 4.04 | 68 | 4.28 | 94 | 4.13 | 79 | 3.97 | 71 | 3.81 | 104 | 2.85 |
| Madagascar | 132 | 3.18 | 133 | 2.67 | 115 | 3.84 | 54 | 4.50 | 138 | 2.88 | 135 | 2.54 | 113 | 2.66 |
| Malawi | 120 | 3.37 | 129 | 2.81 | 112 | 3.86 | 43 | 4.58 | 75 | 4.00 | 134 | 2.54 | 123 | 2.41 |
| Malaysia | 23 | 4.89 | 39 | 4.83 | 11 | 5.16 | 24 | 4.82 | 6 | 5.44 | 51 | 4.31 | 28 | 4.78 |
| Mali | 127 | 3.26 | 130 | 2.77 | 111 | 3.87 | 118 | 3.89 | 113 | 3.53 | 119 | 2.90 | 118 | 2.57 |
| Malta | 40 | 4.46 | 35 | 4.93 | 34 | 4.62 | 92 | 4.14 | 15 | 5.11 | 21 | 5.59 | 125 | 2.38 |
| Mauritania | 142 | 2.88 | 142 | 2.23 | 135 | 3.58 | 131 | 3.60 | 136 | 3.04 | 123 | 2.75 | 131 | 2.07 |
| Mauritius | 62 | 4.14 | 65 | 4.29 | 27 | 4.80 | 70 | 4.38 | 35 | 4.65 | 63 | 3.98 | 109 | 2.74 |
| Mexico | 53 | 4.31 | 77 | 4.11 | 79 | 4.20 | 102 | 4.01 | 61 | 4.15 | 72 | 3.80 | 12 | 5.58 |
| Moldova | 99 | 3.71 | 88 | 3.96 | 100 | 3.98 | 81 | 4.26 | 104 | 3.65 | 65 | 3.91 | 121 | 2.51 |
| Mongolia | 96 | 3.76 | 83 | 3.99 | 85 | 4.17 | 33 | 4.69 | 127 | 3.33 | 70 | 3.82 | 116 | 2.60 |
| Montenegro | 74 | 3.99 | 51 | 4.63 | 48 | 4.42 | 93 | 4.14 | 40 | 4.49 | 56 | 4.15 | 130 | 2.08 |
| Morocco | 79 | 3.94 | 101 | 3.58 | 69 | 4.27 | 122 | 3.84 | 63 | 4.12 | 75 | 3.71 | 57 | 4.11 |
| Mozambique | 133 | 3.10 | 138 | 2.39 | 124 | 3.77 | 128 | 3.72 | 134 | 3.09 | 121 | 2.80 | 101 | 2.86 |
| Namibia | 105 | 3.64 | 119 | 3.14 | 87 | 4.16 | 74 | 4.33 | 48 | 4.44 | 104 | 3.23 | 120 | 2.57 |
| Nepal | 126 | 3.30 | 128 | 2.84 | 121 | 3.78 | 125 | 3.75 | 91 | 3.81 | 129 | 2.63 | 95 | 2.98 |
| Netherlands | 7 | 5.35 | 6 | 5.79 | 6 | 5.29 | 17 | 4.99 | 20 | 4.96 | 9 | 5.98 | 20 | 5.11 |
| New Zealand | 14 | 5.16 | 10 | 5.66 | 3 | 5.35 | 9 | 5.19 | 5 | 5.48 | 23 | 5.47 | 63 | 3.82 |
| Nicaragua | 119 | 3.38 | 110 | 3.32 | 119 | 3.79 | 109 | 3.98 | 116 | 3.48 | 116 | 2.95 | 108 | 2.76 |
| Nigeria | 78 | 3.96 | 113 | 3.31 | 88 | 4.16 | 55 | 4.50 | 68 | 4.07 | 112 | 3.08 | 33 | 4.63 |
| Norway | 16 | 5.15 | 12 | 5.61 | 28 | 4.79 | 18 | 4.98 | 7 | 5.42 | 13 | 5.78 | 50 | 4.31 |
| Oman | 45 | 4.40 | 61 | 4.33 | 25 | 4.86 | 36 | 4.66 | 26 | 4.74 | 54 | 4.26 | 72 | 3.55 |
| Pakistan | 98 | 3.71 | 124 | 2.99 | 97 | 4.02 | 130 | 3.65 | 73 | 4.04 | 118 | 2.90 | 30 | 4.67 |
| Panama | 50 | 4.36 | 69 | 4.22 | 35 | 4.59 | 89 | 4.17 | 23 | 4.88 | 36 | 4.87 | 79 | 3.42 |
| Paraguay | 110 | 3.59 | 112 | 3.32 | 81 | 4.19 | 115 | 3.92 | 83 | 3.89 | 107 | 3.15 | 90 | 3.11 |
| Peru | 57 | 4.23 | 80 | 4.05 | 53 | 4.37 | 45 | 4.56 | 45 | 4.46 | 83 | 3.57 | 45 | 4.40 |
| Philippines | 61 | 4.17 | 64 | 4.30 | 86 | 4.17 | 103 | 4.01 | 58 | 4.25 | 79 | 3.63 | 35 | 4.62 |
| Poland | 28 | 4.69 | 36 | 4.92 | 51 | 4.39 | 57 | 4.48 | 37 | 4.59 | 42 | 4.66 | 19 | 5.12 |
| Portugal | 44 | 4.40 | 30 | 4.98 | 61 | 4.31 | 123 | 3.80 | 99 | 3.71 | 28 | 5.27 | 48 | 4.34 |
| Puerto Rico | 33 | 4.61 | 24 | 5.19 | 26 | 4.86 | 38 | 4.62 | 29 | 4.69 | 41 | 4.70 | 68 | 3.62 |
| Qatar | 22 | 4.93 | 33 | 4.94 | 10 | 5.24 | 14 | 5.01 | 14 | 5.12 | 27 | 5.28 | 58 | 4.01 |
| Romania | 64 | 4.12 | 59 | 4.36 | 113 | 3.86 | 104 | 4.01 | 77 | 3.98 | 59 | 4.09 | 43 | 4.41 |
| Russian Federation | 54 | 4.26 | 52 | 4.59 | 134 | 3.62 | 84 | 4.23 | 130 | 3.19 | 57 | 4.13 | 7 | 5.76 |
| Rwanda | 94 | 3.77 | 117 | 3.21 | 39 | 4.54 | 11 | 5.10 | 49 | 4.44 | 113 | 3.04 | 128 | 2.28 |
| Saudi Arabia | 26 | 4.84 | 40 | 4.79 | 14 | 5.12 | 59 | 4.47 | 22 | 4.88 | 35 | 4.91 | 24 | 4.85 |
| Seychelles | 91 | 3.81 | 31 | 4.98 | 70 | 4.27 | 48 | 4.54 | 94 | 3.79 | 66 | 3.88 | 142 | 1.38 |
| Senegal | 106 | 3.63 | 116 | 3.23 | 77 | 4.20 | 80 | 4.27 | 84 | 3.89 | 95 | 3.37 | 105 | 2.83 |
| Serbia | 88 | 3.83 | 85 | 3.97 | 136 | 3.57 | 100 | 4.04 | 100 | 3.68 | 58 | 4.10 | 67 | 3.64 |
| Sierra Leone | 140 | 2.94 | 141 | 2.30 | 116 | 3.84 | 114 | 3.92 | 125 | 3.34 | 141 | 2.46 | 138 | 1.76 |
| Singapore | 1 | 5.65 | 2 | 5.93 | 1 | 5.60 | 2 | 5.80 | 2 | 5.85 | 5 | 6.10 | 37 | 4.61 |
| Slovak Republic | 51 | 4.33 | 54 | 4.50 | 54 | 4.37 | 86 | 4.20 | 47 | 4.45 | 45 | 4.46 | 59 | 4.00 |
| Slovenia | 55 | 4.25 | 23 | 5.20 | 49 | 4.42 | 91 | 4.15 | 128 | 3.29 | 34 | 4.96 | 78 | 3.46 |
| South Africa | 37 | 4.53 | 84 | 3.98 | 32 | 4.68 | 113 | 3.94 | 3 | 5.72 | 62 | 4.01 | 25 | 4.85 |
| Spain | 29 | 4.67 | 29 | 5.02 | 55 | 4.37 | 108 | 3.98 | 82 | 3.90 | 26 | 5.29 | 14 | 5.45 |
| Sri Lanka | 77 | 3.96 | 79 | 4.06 | 57 | 4.33 | 129 | 3.66 | 42 | 4.46 | 89 | 3.45 | 64 | 3.79 |
| Suriname | 124 | 3.32 | 102 | 3.57 | 128 | 3.70 | 96 | 4.10 | 107 | 3.60 | 105 | 3.19 | 139 | 1.74 |
| Swaziland | 130 | 3.21 | 125 | 2.95 | 107 | 3.92 | 119 | 3.87 | 89 | 3.82 | 128 | 2.69 | 133 | 2.00 |
| Sweden | 8 | 5.32 | 7 | 5.75 | 12 | 5.14 | 25 | 4.81 | 10 | 5.29 | 1 | 6.29 | 34 | 4.62 |
| Switzerland | 5 | 5.48 | 3 | 5.90 | 7 | 5.26 | 1 | 5.90 | 9 | 5.30 | 6 | 6.02 | 39 | 4.52 |
| Taiwan, China | 12 | 5.24 | 9 | 5.68 | 8 | 5.26 | 22 | 4.84 | 19 | 4.98 | 24 | 5.44 | 17 | 5.24 |
| Tajikistan | 112 | 3.56 | 90 | 3.86 | 96 | 4.04 | 46 | 4.55 | 124 | 3.35 | 114 | 2.97 | 119 | 2.57 |
| Tanzania | 113 | 3.55 | 132 | 2.71 | 110 | 3.89 | 47 | 4.55 | 85 | 3.87 | 122 | 2.77 | 77 | 3.50 |
| Thailand | 47 | 4.38 | 60 | 4.35 | 37 | 4.56 | 76 | 4.32 | 43 | 4.46 | 84 | 3.56 | 22 | 5.04 |
| Timor-Leste | 138 | 2.97 | 131 | 2.75 | 130 | 3.69 | 78 | 4.29 | 139 | 2.68 | 131 | 2.62 | 137 | 1.80 |
| Trinidad and Tobago | 83 | 3.85 | 71 | 4.20 | 106 | 3.92 | 110 | 3.97 | 60 | 4.17 | 60 | 4.06 | 107 | 2.80 |
| Turkey | 42 | 4.42 | 74 | 4.15 | 38 | 4.55 | 124 | 3.79 | 44 | 4.46 | 53 | 4.29 | 15 | 5.28 |
| Uganda | 104 | 3.66 | 127 | 2.86 | 103 | 3.95 | 23 | 4.83 | 62 | 4.14 | 117 | 2.93 | 85 | 3.22 |
| Ukraine | 65 | 4.11 | 47 | 4.70 | 117 | 3.82 | 62 | 4.44 | 114 | 3.52 | 81 | 3.60 | 38 | 4.60 |
| United Arab Emirates | 21 | 4.94 | 37 | 4.90 | 5 | 5.31 | 7 | 5.24 | 25 | 4.74 | 32 | 5.05 | 44 | 4.41 |
| United Kingdom | 4 | 5.50 | 16 | 5.57 | 17 | 5.09 | 5 | 5.42 | 13 | 5.16 | 7 | 6.00 | 6 | 5.78 |
| United States | 2 | 5.63 | 8 | 5.72 | 23 | 4.88 | 6 | 5.37 | 16 | 5.07 | 11 | 5.84 | 1 | 6.93 |
| Uruguay | 73 | 4.00 | 50 | 4.67 | 52 | 4.38 | 136 | 3.49 | 90 | 3.81 | 47 | 4.44 | 86 | 3.21 |
| Venezuela | 117 | 3.46 | 68 | 4.24 | 144 | 2.78 | 143 | 2.88 | 133 | 3.11 | 103 | 3.25 | 41 | 4.50 |
| Vietnam | 71 | 4.02 | 96 | 3.69 | 91 | 4.13 | 51 | 4.51 | 88 | 3.85 | 98 | 3.33 | 32 | 4.63 |
| Yemen | 139 | 2.95 | 139 | 2.35 | 131 | 3.68 | 138 | 3.44 | 143 | 2.37 | 139 | 2.48 | 80 | 3.35 |
| Zambia | 108 | 3.61 | 121 | 3.07 | 42 | 4.53 | 111 | 3.97 | 50 | 4.43 | 115 | 2.96 | 111 | 2.71 |
| Zimbabwe | 135 | 3.08 | 118 | 3.14 | 133 | 3.63 | 139 | 3.40 | 109 | 3.60 | 120 | 2.83 | 135 | 1.90 |

Note: Ranks out of 144 economies and scores measured on a 1-to-7 scale.

Table 7: The Global Competitiveness Index 2012–2013: Innovation and sophistication factors

| Country/Economy | INNOVATION AND SOPHISTICATION FACTORS | | PILLARS | | | |
|------------------------|---------------------------------------|-------|-----------------------------|-------|----------------|-------|
| | Rank | Score | 11. Business sophistication | | 12. Innovation | |
| | Rank | Score | Rank | Score | Rank | Score |
| Albania | 113 | 3.11 | 98 | 3.59 | 123 | 2.63 |
| Algeria | 144 | 2.31 | 144 | 2.54 | 141 | 2.09 |
| Argentina | 88 | 3.35 | 89 | 3.72 | 91 | 2.98 |
| Armenia | 98 | 3.29 | 92 | 3.70 | 105 | 2.89 |
| Australia | 28 | 4.56 | 30 | 4.61 | 23 | 4.51 |
| Austria | 10 | 5.30 | 6 | 5.52 | 13 | 5.07 |
| Azerbaijan | 57 | 3.68 | 69 | 3.91 | 46 | 3.45 |
| Bahrain | 53 | 3.74 | 39 | 4.34 | 72 | 3.13 |
| Bangladesh | 122 | 2.98 | 108 | 3.50 | 130 | 2.47 |
| Barbados | 38 | 3.97 | 36 | 4.39 | 40 | 3.56 |
| Belgium | 13 | 5.21 | 12 | 5.32 | 11 | 5.09 |
| Benin | 111 | 3.12 | 125 | 3.23 | 84 | 3.01 |
| Bolivia | 100 | 3.28 | 103 | 3.55 | 83 | 3.01 |
| Bosnia and Herzegovina | 99 | 3.28 | 109 | 3.48 | 80 | 3.09 |
| Botswana | 82 | 3.40 | 95 | 3.66 | 73 | 3.13 |
| Brazil | 39 | 3.97 | 33 | 4.51 | 49 | 3.42 |
| Brunei Darussalam | 62 | 3.64 | 65 | 3.97 | 59 | 3.31 |
| Bulgaria | 97 | 3.30 | 97 | 3.62 | 92 | 2.98 |
| Burkina Faso | 126 | 2.94 | 140 | 3.01 | 107 | 2.87 |
| Burundi | 142 | 2.42 | 143 | 2.67 | 140 | 2.17 |
| Cambodia | 72 | 3.53 | 74 | 3.88 | 67 | 3.19 |
| Cameroon | 95 | 3.31 | 104 | 3.52 | 79 | 3.09 |
| Canada | 21 | 4.74 | 26 | 4.84 | 22 | 4.64 |
| Cape Verde | 119 | 3.01 | 118 | 3.34 | 120 | 2.68 |
| Chad | 129 | 2.89 | 138 | 3.04 | 113 | 2.74 |
| Chile | 45 | 3.87 | 48 | 4.24 | 44 | 3.50 |
| China | 34 | 4.05 | 45 | 4.25 | 33 | 3.85 |
| Colombia | 66 | 3.58 | 63 | 3.98 | 70 | 3.17 |
| Costa Rica | 35 | 4.04 | 34 | 4.46 | 38 | 3.61 |
| Côte d'Ivoire | 121 | 2.99 | 123 | 3.28 | 115 | 2.71 |
| Croatia | 83 | 3.39 | 96 | 3.66 | 74 | 3.12 |
| Cyprus | 51 | 3.77 | 52 | 4.18 | 53 | 3.36 |
| Czech Republic | 32 | 4.13 | 35 | 4.45 | 34 | 3.81 |
| Denmark | 12 | 5.24 | 9 | 5.41 | 12 | 5.08 |
| Dominican Republic | 105 | 3.25 | 80 | 3.80 | 118 | 2.69 |
| Ecuador | 93 | 3.32 | 94 | 3.67 | 96 | 2.96 |
| Egypt | 96 | 3.31 | 83 | 3.77 | 109 | 2.84 |
| El Salvador | 107 | 3.16 | 82 | 3.79 | 128 | 2.54 |
| Estonia | 33 | 4.06 | 51 | 4.20 | 30 | 3.93 |
| Ethiopia | 125 | 2.96 | 129 | 3.18 | 114 | 2.73 |
| Finland | 3 | 5.62 | 7 | 5.49 | 2 | 5.75 |
| France | 18 | 4.96 | 21 | 5.00 | 17 | 4.91 |
| Gabon | 139 | 2.64 | 141 | 2.93 | 136 | 2.35 |
| Gambia, The | 54 | 3.74 | 59 | 4.09 | 52 | 3.38 |
| Georgia | 120 | 3.00 | 113 | 3.40 | 126 | 2.60 |
| Germany | 4 | 5.57 | 3 | 5.71 | 7 | 5.42 |
| Ghana | 102 | 3.27 | 102 | 3.57 | 95 | 2.96 |
| Greece | 85 | 3.37 | 85 | 3.74 | 87 | 3.00 |
| Guatemala | 70 | 3.56 | 57 | 4.15 | 90 | 2.98 |
| Guinea | 132 | 2.82 | 139 | 3.03 | 125 | 2.62 |
| Guyana | 71 | 3.54 | 64 | 3.97 | 76 | 3.11 |
| Haiti | 143 | 2.41 | 142 | 2.77 | 143 | 2.05 |
| Honduras | 91 | 3.32 | 77 | 3.83 | 112 | 2.80 |
| Hong Kong SAR | 22 | 4.73 | 17 | 5.09 | 26 | 4.37 |
| Hungary | 58 | 3.68 | 86 | 3.74 | 37 | 3.61 |
| Iceland | 24 | 4.69 | 29 | 4.71 | 20 | 4.68 |
| India | 43 | 3.94 | 40 | 4.31 | 41 | 3.56 |
| Indonesia | 40 | 3.96 | 42 | 4.30 | 39 | 3.61 |
| Iran, Islamic Rep. | 77 | 3.46 | 93 | 3.68 | 65 | 3.25 |
| Ireland | 20 | 4.87 | 18 | 5.09 | 21 | 4.66 |
| Israel | 8 | 5.33 | 16 | 5.10 | 3 | 5.57 |
| Italy | 30 | 4.24 | 28 | 4.75 | 36 | 3.73 |
| Jamaica | 80 | 3.41 | 79 | 3.82 | 86 | 3.00 |
| Japan | 2 | 5.67 | 1 | 5.80 | 5 | 5.54 |
| Jordan | 52 | 3.74 | 55 | 4.16 | 57 | 3.32 |
| Kazakhstan | 104 | 3.25 | 99 | 3.58 | 103 | 2.92 |
| Kenya | 56 | 3.68 | 67 | 3.96 | 50 | 3.41 |
| Korea, Rep. | 17 | 4.96 | 22 | 4.99 | 16 | 4.94 |
| Kuwait | 86 | 3.36 | 73 | 3.88 | 108 | 2.84 |
| Kyrgyz Republic | 140 | 2.63 | 130 | 3.18 | 142 | 2.08 |
| Latvia | 68 | 3.57 | 71 | 3.89 | 64 | 3.25 |
| Lebanon | 81 | 3.41 | 58 | 4.14 | 119 | 2.68 |
| Lesotho | 137 | 2.72 | 135 | 3.11 | 138 | 2.33 |
| Liberia | 59 | 3.67 | 62 | 3.99 | 54 | 3.34 |
| Libya | 127 | 2.92 | 116 | 3.35 | 129 | 2.50 |
| Lithuania | 47 | 3.83 | 56 | 4.16 | 43 | 3.51 |
| Luxembourg | 19 | 4.89 | 23 | 4.96 | 18 | 4.82 |
| Macedonia, FYR | 110 | 3.13 | 111 | 3.44 | 110 | 2.83 |
| Madagascar | 115 | 3.08 | 122 | 3.28 | 106 | 2.88 |
| Malawi | 109 | 3.16 | 115 | 3.38 | 99 | 2.94 |
| Malaysia | 23 | 4.70 | 20 | 5.02 | 25 | 4.38 |
| Mali | 114 | 3.11 | 126 | 3.22 | 88 | 2.99 |
| Malta | 46 | 3.85 | 43 | 4.27 | 48 | 3.43 |
| Mauritania | 118 | 3.01 | 117 | 3.35 | 121 | 2.68 |
| Mauritius | 63 | 3.63 | 41 | 4.30 | 98 | 2.95 |
| Mexico | 49 | 3.79 | 44 | 4.26 | 56 | 3.33 |
| Moldova | 131 | 2.85 | 120 | 3.30 | 135 | 2.40 |
| Mongolia | 112 | 3.11 | 121 | 3.30 | 100 | 2.93 |
| Montenegro | 69 | 3.57 | 76 | 3.83 | 60 | 3.31 |
| Morocco | 84 | 3.38 | 81 | 3.80 | 97 | 2.95 |
| Mozambique | 130 | 2.89 | 131 | 3.14 | 122 | 2.63 |
| Namibia | 103 | 3.25 | 101 | 3.57 | 101 | 2.93 |
| Nepal | 133 | 2.82 | 127 | 3.21 | 133 | 2.42 |
| Netherlands | 6 | 5.47 | 4 | 5.63 | 9 | 5.31 |
| New Zealand | 27 | 4.60 | 27 | 4.78 | 24 | 4.43 |
| Nicaragua | 116 | 3.05 | 114 | 3.39 | 116 | 2.71 |
| Nigeria | 73 | 3.53 | 66 | 3.96 | 78 | 3.10 |
| Norway | 16 | 5.00 | 19 | 5.05 | 15 | 4.96 |
| Oman | 44 | 3.91 | 37 | 4.38 | 47 | 3.44 |
| Pakistan | 75 | 3.47 | 78 | 3.82 | 77 | 3.11 |
| Panama | 48 | 3.83 | 50 | 4.21 | 45 | 3.46 |
| Paraguay | 123 | 2.97 | 107 | 3.51 | 132 | 2.43 |
| Peru | 94 | 3.31 | 68 | 3.94 | 117 | 2.69 |
| Philippines | 64 | 3.60 | 49 | 4.23 | 94 | 2.97 |
| Poland | 61 | 3.66 | 60 | 4.06 | 63 | 3.25 |
| Portugal | 37 | 4.01 | 54 | 4.17 | 31 | 3.86 |
| Puerto Rico | 26 | 4.64 | 24 | 4.92 | 27 | 4.35 |
| Qatar | 15 | 5.02 | 11 | 5.33 | 19 | 4.71 |
| Romania | 106 | 3.20 | 110 | 3.47 | 102 | 2.92 |
| Russian Federation | 108 | 3.16 | 119 | 3.31 | 85 | 3.01 |
| Rwanda | 60 | 3.66 | 70 | 3.91 | 51 | 3.40 |
| Saudi Arabia | 29 | 4.47 | 25 | 4.91 | 29 | 4.03 |
| Seychelles | 87 | 3.36 | 87 | 3.74 | 93 | 2.98 |
| Senegal | 65 | 3.59 | 72 | 3.89 | 62 | 3.29 |
| Serbia | 124 | 2.96 | 132 | 3.11 | 111 | 2.81 |
| Sierra Leone | 138 | 2.69 | 136 | 3.10 | 139 | 2.27 |
| Singapore | 11 | 5.27 | 14 | 5.14 | 8 | 5.39 |
| Slovak Republic | 74 | 3.50 | 61 | 4.02 | 89 | 2.98 |
| Slovenia | 36 | 4.02 | 53 | 4.18 | 32 | 3.85 |
| South Africa | 42 | 3.94 | 38 | 4.34 | 42 | 3.55 |
| Spain | 31 | 4.14 | 32 | 4.51 | 35 | 3.77 |
| Sri Lanka | 41 | 3.96 | 31 | 4.60 | 58 | 3.32 |
| Suriname | 117 | 3.01 | 112 | 3.41 | 124 | 2.62 |
| Swaziland | 134 | 2.80 | 124 | 3.26 | 137 | 2.33 |
| Sweden | 5 | 5.56 | 5 | 5.56 | 4 | 5.56 |
| Switzerland | 1 | 5.79 | 2 | 5.79 | 1 | 5.78 |
| Taiwan, China | 14 | 5.08 | 13 | 5.18 | 14 | 4.99 |
| Tajikistan | 76 | 3.46 | 90 | 3.71 | 66 | 3.22 |
| Tanzania | 92 | 3.32 | 106 | 3.51 | 75 | 3.12 |
| Thailand | 55 | 3.72 | 46 | 4.25 | 68 | 3.19 |
| Timor-Leste | 136 | 2.73 | 137 | 3.05 | 134 | 2.41 |
| Trinidad and Tobago | 89 | 3.33 | 84 | 3.76 | 104 | 2.90 |
| Turkey | 50 | 3.79 | 47 | 4.25 | 55 | 3.33 |
| Uganda | 101 | 3.27 | 105 | 3.52 | 82 | 3.02 |
| Ukraine | 79 | 3.43 | 91 | 3.70 | 71 | 3.16 |
| United Arab Emirates | 25 | 4.64 | 15 | 5.10 | 28 | 4.18 |
| United Kingdom | 9 | 5.32 | 8 | 5.48 | 10 | 5.17 |
| United States | 7 | 5.42 | 10 | 5.34 | 6 | 5.50 |
| Uruguay | 78 | 3.46 | 88 | 3.73 | 69 | 3.18 |
| Venezuela | 135 | 2.78 | 133 | 3.11 | 131 | 2.44 |
| Vietnam | 90 | 3.32 | 100 | 3.57 | 81 | 3.07 |
| Yemen | 141 | 2.50 | 134 | 3.11 | 144 | 1.89 |
| Zambia | 67 | 3.57 | 75 | 3.84 | 61 | 3.30 |
| Zimbabwe | 128 | 2.90 | 128 | 3.21 | 127 | 2.59 |

Note: Ranks out of 144 economies and scores measured on a 1-to-7 scale.

Sweden, overtaken by Finland, falls one place to 4th position. Like Switzerland, the country has been placing significant emphasis on creating the conditions for innovation-led growth. The quality of its public institutions remains first-rate, with a very high degree of efficiency, trust, and transparency. Private institutions also receive excellent marks, with firms that demonstrate excellent ethical behavior. Nevertheless, we registered a slight but consistent deterioration in the country's institutional framework over the past three years. Additional strengths include goods and financial markets that are very efficient, although the labor market could be more flexible (ranking 92nd on the flexibility subpillar). Combined with a strong focus on education over the years and a high level of technological readiness (1st), Sweden has developed a very sophisticated business culture (5th) and is one of the world's leading innovators (4th). Last but not least, the country boasts a stable macroeconomic environment (13th), with a balanced budget and manageable public debt levels. These characteristics come together to make Sweden one of the most productive and competitive economies in the world.

The **Netherlands** continues to progress in the rankings, moving up to 5th place this year. The improvement reflects a continued strengthening of its innovative capacity as well as the heightened efficiency and stability of its financial markets. Overall, Dutch businesses are highly sophisticated (4th) and innovative (9th), and the country is rapidly and aggressively harnessing new technologies for productivity improvements (9th). Its excellent educational system (ranked 5th for health and primary education and 6th for its higher education and training) and efficient markets—especially its goods market (6th)—are highly supportive of business activity. And although the country has registered fiscal deficits in recent years (5.0 percent of GDP in 2011), its macroeconomic environment is more stable than that of a number of other advanced economies. Last but not least, the quality of its infrastructure is among the best in the world, reflecting excellent facilities for maritime, air, and railroad transport, ranked 1st, 4th, and 9th, respectively.

Germany maintains its position at 6th place this year. The country is ranked an excellent 3rd for the quality of its infrastructure, boasting in particular first-rate facilities across all modes of transport. The goods market is quite efficient, characterized by intense local competition (8th) and low market dominance by large companies (2nd). Germany's business sector is very sophisticated, especially when it comes to production processes and distribution channels, and German companies are among the most innovative in the world, spending heavily on R&D (4th) and displaying a high capacity for innovation (3rd)—traits that are complemented by the country's well-developed ability

to absorb the latest technologies at the firm level (16th). These attributes allow Germany to benefit greatly from its significant market size (5th), which is based on both its large domestic market and its strong exports. On a less positive note and despite some efforts, Germany's labor market remains rigid (119th for the labor market flexibility subpillar), where a lack of flexibility in wage determination and the high cost of firing hinder job creation, particularly during business cycle downturns. In addition, improving the quality of the educational system—where the country continues to trail its top 10 peers at 28th place—could serve as an important basis for sustained innovation-led growth. In view of continued economic difficulties in the euro area, Germany's performance in the macroeconomic pillar remains remarkably stable, with the country even registering a reduction in the fiscal deficit to –1 percent of GDP, but concerns about potential effects of the European sovereign debt crisis are reflected in the downgrading of the country's credit rating.

The **United States** continues the decline that began a few years ago, falling two more positions to take 7th place this year. Although many structural features continue to make its economy extremely productive, a number of escalating and unaddressed weaknesses have lowered the US ranking in recent years. US companies are highly sophisticated and innovative, supported by an excellent university system that collaborates admirably with the business sector in R&D. Combined with flexible labor markets and the scale opportunities afforded by the sheer size of its domestic economy—the largest in the world by far—these qualities continue to make the United States very competitive.

On the other hand, some weaknesses in particular areas have deepened since past assessments. The business community continues to be critical toward public and private institutions (41st). In particular, its trust in politicians is not strong (54th), perhaps not surprising in light of recent political disputes that threaten to push the country back into recession through automatic spending cuts. Business leaders also remain concerned about the government's ability to maintain arms-length relationships with the private sector (59th), and consider that the government spends its resources relatively wastefully (76th). A lack of macroeconomic stability continues to be the country's greatest area of weakness (111th, down from 90th last year). On a more positive note, measures of financial market development continue to indicate a recovery, improving from 31st two years ago to 16th this year in that pillar, thanks to the rapid intervention that forced the deleveraging of the banking system from its toxic assets following the financial crisis.

The **United Kingdom** (8th) continues to make up lost ground in the rankings this year, rising by two more places and now settling firmly back in the top 10. The country improves its performance in several areas,

benefitting from clear strengths such as the efficiency of its labor market (5th), in sharp contrast to the rigidity of those of many other European countries. The United Kingdom continues to have sophisticated (8th) and innovative (10th) businesses that are highly adept at harnessing the latest technologies for productivity improvements and operating in a very large market (it is ranked 6th for market size). The financial market also continues its recovery, ranked 13th, up from 20th last year. All these characteristics are important for spurring productivity enhancements. On the other hand, the country's macroeconomic environment (110th, down from 85th last year) represents the greatest drag on its competitiveness, with a fiscal deficit nearing 9 percent in 2011, an increase of 5 percentage points in public debt amounting to 82.5 percent of GDP in 2011 (127th) and a comparatively low national savings rate (12.9 percent of GDP in 2011, 113th).

As the second-placed Asian economy behind Singapore (2nd), **Hong Kong SAR** rises to 9th position while slightly improving its score. The territory's consistently good performance is reflected in very good showing across most of the areas covered by the GCI. As in previous years, Hong Kong tops the infrastructure pillar, reflecting the outstanding quality of its facilities across all modes of transportation and its telephony and electricity infrastructure. Moreover, the economy's financial markets are second to none, revealing high efficiency and trustworthiness and stability of the banking sector. The dynamism and efficiency of Hong Kong's goods market (2nd) and labor market (3rd) further contribute to the economy's very good overall positioning. To maintain and enhance its competitiveness going forward, continued improvements in two important areas—higher education (22nd) and innovation (26th)—will be necessary. Although the quality of education in Hong Kong is good (12th), participation remains below levels found in other advanced economies (53rd). Improving educational outcomes will also help boost Hong Kong's innovative capacity, which remains constrained by the limited availability of scientists and engineers (36th), among other things.

Japan falls one place to rank 10th this year, with a performance similar to that of last year. The country continues to enjoy a major competitive edge in business sophistication and innovation, ranking 1st and 5th, respectively, in these two pillars. Company spending on R&D remains high (2nd) and Japan benefits from the availability of many scientists and engineers buttressing a strong capacity for innovation. Indeed, in terms of innovation output, this pays off with the fifth-highest number of patents per capita. Further, companies operate at the highest end of the value chain, producing high-value-added goods and services. The country's overall competitive performance, however, continues to be dragged down by severe macroeconomic

weaknesses (124th), with the second-highest budget deficit in this year's sample (143th). Repeated over recent years, this has led to the highest public debt levels in the entire sample (nearly 230 percent of GDP in 2011). In addition, we observe a downward assessment of labor market efficiency (from 13th two years ago to 20th place this year), with the business sector perceiving the alignment between pay and productivity, hiring and firing practices, and brain drain less favorably than in previous years.

Europe and North America

European economies have faced a number of challenges in the past few years. Although they had been recovering from the significant difficulties brought about by the global economic crisis, rising concerns about the sustainability of sovereign debt in Greece and a number of other European countries continue to raise questions about the viability of the euro. Most recently this has led to a double-dip recession in several countries in the region, rising inflation, and great concern about the effects of these difficulties on other parts of the world. Despite these challenges, several European countries continue to feature prominently among the most competitive economies in the world. As described above, six of them are among the top 10. In total, ten are among the top 20, as follows: Switzerland (1st), Finland (3rd), Sweden (4th), the Netherlands (5th), Germany (6th), the United Kingdom (8th), Denmark (12th), Norway (15th), Austria (16th), and Belgium (17th). However, Europe is also a region with significant disparities in competitiveness (Box 2),²⁴ with several countries from the region significantly lower in the rankings (with Spain at 36th, Italy at 42nd, Portugal at 49th, and Greece at 96th). As in previous years, the two countries from North America feature among the most competitive economies worldwide, with the United States occupying the 7th position and Canada the 14th.

Denmark loses four positions this year, placing 12th, with a weakening in the assessments of its institutions and financial markets. Similar to its Nordic neighbors, the country benefits from one of the best functioning and most transparent institutional frameworks in the world (14th), although there has been some decline in this area since last year. Denmark also continues to receive a first-rate assessment for its higher education and training system (14th), which has provided the Danish workforce with the skills needed to adapt rapidly to a changing environment and has laid the ground for their high levels of technological adoption and innovation. A continued strong focus on education would help to reverse the downward trend (from 3rd place in 2010 to 14th this year) and to maintain the skill levels needed to provide the basis for sustained innovation-led growth. A marked difference from the other Nordic countries relates to labor market flexibility, where Denmark (8th) continues to

distinguish itself as having one of the most efficient labor markets internationally, with more flexibility in setting wages, firing, and therefore hiring, more workers than in the other Nordics and than most European countries more generally.

Canada falls two positions to 14th place in this year's rankings. Although Canada continues to benefit from highly efficient markets (with its goods, labor, and financial markets ranked 13th, 4th, and 11th, respectively), well-functioning and transparent institutions (11th), and excellent infrastructure (13th), it is being dragged down by a less favorable assessment of the quality of its research institutions and the government's role in promoting innovation through procurement practices. In a similar fashion, although Canada has been successful in nurturing its human resources compared with other advanced economies (it is ranked 7th for health and primary education and 15th for higher education and training), the data suggest a slight downward trend of its performance in higher education (ranking 8th place on higher education and training two years ago), driven by lower university enrollment rates and a decline in the extent to which staff is being trained at the workplace.

Norway is ranked 15th this year, up by one place and showing progress in a number of areas. Specifically, the country features a notable improvement in its innovative capacity (up from 20th to 15th place), driven by improved R&D spending by business, a better collaboration between the business sector and academia, and increased government procurement of advanced technological products. However, looking forward, reversing the downward trend in the availability of scientists and engineers (from 18th two years ago to 42nd in 2011) will be critical to maintain the country's high level of innovative activity. Similar to the other Nordic countries, Norway is further characterized by well-functioning and transparent public institutions; private institutions also get admirable marks for ethics and accountability. Markets in the country are efficient, with labor and financial markets ranked 18th and 7th, respectively. Productivity is also boosted by a good uptake of new technologies, ranked 13th overall for technological readiness. Moreover, Norway's macroeconomic environment is ranked an impressive 3rd out of all countries (up from 4th last year), driven by windfall oil revenues combined with prudent fiscal management. On the other hand, Norway's competitiveness would be further enhanced by continuing to upgrade its infrastructure (27th), fostering greater goods market efficiency and competition (28th), and further improving its environment for research and development.

Austria is ranked 16th this year, up three places since last year, with small improvements across a number of areas. The country benefits from excellent

infrastructure (15th) and registers improvements in its innovation capacity (up three places from last year) on the back of resilient R&D spending and improvements in the business sophistication pillar (up one place for business sophistication). Education and training also gets strong marks, particularly for on-the-job training (3rd). Austria's competitiveness would be further enhanced by greater flexibility in the labor market (the country is ranked 72nd in this subpillar), and by continuing to improve the already excellent educational system.

Belgium is ranked 17th, down two ranks since last year. The country has outstanding health indicators and a primary education system that is among the best in the world (2nd). Belgium also boasts an exceptional higher education and training system (4th), with excellent math and science education, top-notch management schools, and a strong propensity for on-the-job training that contribute to an overall high capacity to innovate (11th). Its goods market is characterized by high levels of competition and an environment that facilitates new business creation. Business operations are also distinguished by high levels of sophistication and professional management. On the other hand, there are some concerns about government inefficiency (55th) and its highly distortionary tax system (140th), and its macroeconomic environment is burdened by persistent deficit spending and high public debt.

France is ranked 21st, down three places from last year on the back of falling confidence in public and private institutions (down four places) and the financial sector (down 13 places in trustworthiness). On a positive note, the country's infrastructure is among the best in the world (4th), with outstanding transport links, energy infrastructure, and communications. The health of the workforce and the quality and quantity of education are other strengths (ranked 21st for health and primary education and 27th for higher education and training). These elements have provided the basis for a business sector that is aggressive in adopting new technologies for productivity enhancements (France is ranked 14th for technological readiness). In addition, the sophistication of the country's business culture (21st in the business sophistication pillar) and its good position in innovation (17th in the innovation pillar, particularly in certain science-based sectors), bolstered by a well-developed financial market (27th) and a large market more generally (8th), are important attributes that help to boost the country's growth potential. On the other hand, France's competitiveness would be enhanced by injecting more flexibility into its labor market, which is ranked a low 111th both because of the strict rules on firing and hiring and the rather conflict-ridden labor-employer relations in the country. The tax regime in the country is also perceived as highly distortive to business decisions (128th).

Box 2: Sovereign debt crisis, macroeconomic imbalances, and the lack of competitiveness in Southern Europe

From the beginning of the worst financial and economic crisis that the Western world has experienced since the Great Depression, Southern European economies, along with Ireland, have found themselves in the eye of the storm. Excessive public spending in the case of Greece, failing banks in Ireland and more recently Spain following the bursting of a decade-long real estate bubble, and Italy's and Portugal's general inability to grow and compete in a globalized environment have brought these economies to the very edge of sovereign bankruptcy for the first time since the end of World War II. As a result, these economies—except Italy—have been forced to request full or partial international bailouts because of their inability to obtain affordable financing in the international financial markets.

In parallel with these events, governments in other euro zone countries (such as Austria, Finland, and Germany) and non-euro zone countries (such as Sweden, Switzerland, and the United Kingdom) have benefited from increasingly low, and sometimes even negative, real interest rates. In some cases this is the result of the countries' traditionally sound fiscal policies; it is sometimes also a consequence of the high uncertainty that is driving investors to seek "safe" locations.

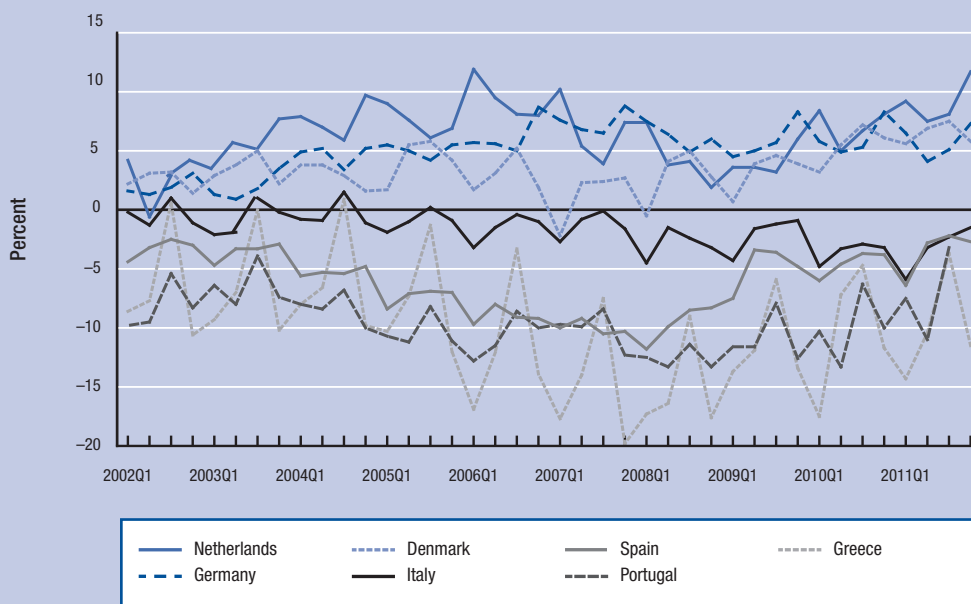
Overall, the sovereign debt crisis reflects the lack of confidence on the part of the financial markets in the ability of Southern European economies to balance their public accounts by curbing public spending and escaping the vicious circle of high public debt; the need to support banking systems in difficulties (which can increase national debt); and diminishing fiscal revenues. The latter are linked to economic contraction caused by sharp falls in both public and private consumption and investment, lack of credit, and an inability to compete internationally as reflected by the persistent current account deficits (Figure 1).

At present, the vicious cycle seems to be leading these economies toward a downward spiral of worsening financial

and economic crisis. This trend is exacerbating social and political tensions, and there is little sign of improvement. Although the origins of these crises are diverse, one shared feature at the heart of the current situation in all these economies is their persistent lack of competitiveness and, therefore, their inability to maintain high levels of prosperity. Overall, low levels of productivity and competitiveness do not warrant the salaries that workers in Southern Europe enjoy and have led to unsustainable imbalances, followed by high and rising unemployment. The map and chart in Figures 2 and 3 reveal the dynamics of the competitiveness divide in the European Union (EU), with Southern, Central, and Eastern European countries as the least competitive economies.

In order to escape this downward spiral and return Southern Europe to a positive growth trajectory, a holistic set of competitiveness-enhancing measures that can bring confidence and strengthen the economic fundamentals of these economies will be required. These measures include (1) regaining financial stability by recognizing and resolving the weaknesses of the banking system and enhancing the financial liquidity of households and enterprises; (2) regaining macroeconomic stability by ensuring fiscal discipline and engaging in structural reforms that can reduce public spending in the medium to longer term; and (3) introducing labor market reforms, fostering competition, and making more and better investments in growth-enhancing areas such as education, technology, and innovation. Some of these measures may have impacts only in the medium to longer run. However, all of them must be adopted sooner rather than later, as they are closely interrelated. An effective implementation will require strong political leadership so that a clear roadmap and efficient communication can be prepared to build public support for the reforms. Only then will these economies find a sustainable exit to the sovereign debt crisis.

Figure 1: Current account balance, percent GDP, 2001–11 (quarterly data)

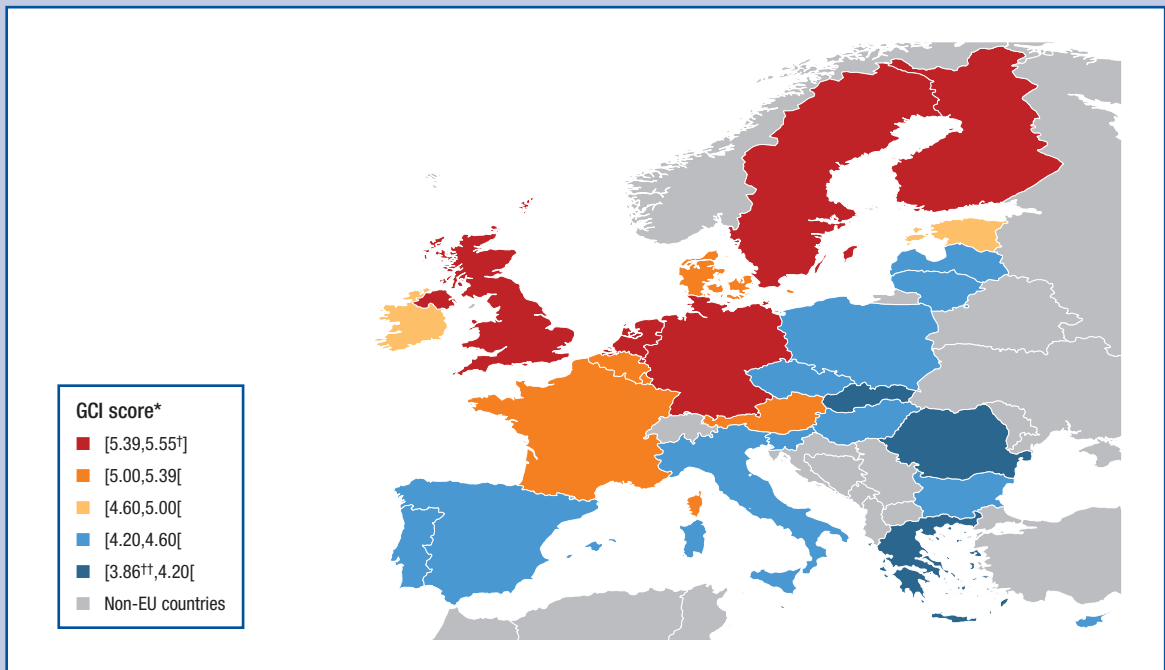


Source: Eurostat.

(Cont'd.)

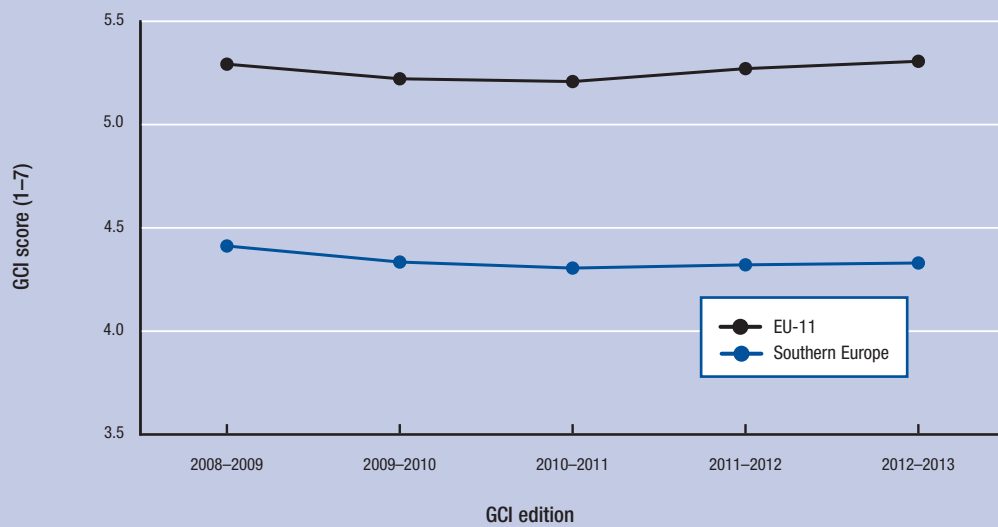
Box 2: Sovereign debt crisis, macroeconomic imbalances, and the lack of competitiveness in Southern Europe *(cont'd.)*

Figure 2: Competitiveness in the European Union: The GCI heat map



* The interval $[x, y[$ is inclusive of x but exclusive of y . [†] Highest value; ^{††} lowest value.

Figure 3: Dynamics of the competitiveness divide in Western and Southern Europe



Note: Southern Europe includes Greece, Italy, Portugal, and Spain; EU-11 includes the original 15 member states except Greece, Italy, Portugal, and Spain.

Ireland moves up by two positions to 27th place this year after falling in recent editions of the *Report*. The country continues to benefit from a number of strengths, including its excellent health and primary education (12th) and strong higher education and training (20th), along with its well-functioning goods and labor markets, ranked 9th and 16th, respectively. These attributes have fostered a sophisticated and innovative business culture (ranked 18th for business sophistication and 21st for innovation). Yet the country's macroeconomic environment continues to raise significant concern (131st), although matters seem to be moving in the right direction following the government's massive bailout of the banking sector. Of related and continuing concern is also Ireland's financial market (108th), although this seems to be tentatively recovering since the trauma faced in recent years.

Iceland maintains its place at 30th position this year. Despite difficulties in recent years, Iceland continues to benefit from a number of clear competitive strengths in moving to a more sustainable economic situation. These include the country's top-notch educational system at all levels (6th and 13th in the health and primary education and higher education and training pillars, respectively) coupled with an innovative business sector (20th) that is highly adept at adopting new technologies for productivity enhancements (8th). Business activity is further supported by an extremely flexible labor market (12th) and well-developed infrastructure (20th). On the other hand, a weakened macroeconomic environment (123rd) and financial markets (97th) remain areas of concern.

Despite its very delicate macroeconomic situation and the well-known difficulties of its banking system that restricts the access to financing for local firms, **Spain** remains stable at 36th place. The country continues to benefit from world-class transport infrastructure facilities (10th) and a good use of ICT (24th). It also has one of the highest tertiary education enrollment rates (18th), which provides a large pool of skilled labor force that, if properly mobilized, could help the country's much-needed economic transition toward higher-value-added activities. Notwithstanding these strengths, Spain's competitive edge is hampered by its macroeconomic imbalances. Its difficulties in curbing the public deficit (135th), which continue to add to the already high public debt (112th), in addition to the severe difficulties of a segment of the banking system (109th), have resulted in a lack of confidence in the financial markets and the country's ability to access affordable financing from the international markets. The bond spread against stronger economies has relentlessly continued to grow, hindering the capacity of the country, its banking system, and finally its business sector to access affordable sources of financing (122nd). In addition, Spain's labor markets, while improving slightly, remain too rigid (123rd). The recently adopted structural reforms, both in the banking

system and the labor market, should help in addressing these weaknesses once implemented. However, recent cuts in public research and innovation, coupled with the increasing difficulties of the private sector in obtaining funding for research and development activities, could continue to hold back the capacity of local firms to innovate (44th), which will be crucial to facilitate the economic transformation of the country.

Estonia and the **Czech Republic** remain the best performers within Eastern Europe, ranking 34th and 39th, respectively. As in previous years, the countries' competitive strengths are based on a number of common features. They rely on excellent education and highly efficient and well-developed goods and financial markets, as well as their strong commitment to advancing technological readiness, particularly in the case of Estonia. In addition, Estonia's 20th rank on macroeconomic stability reflects its relatively well managed public finances. The country's margin ahead of the rest of the region also reflects its more flexible and efficient labor markets (10th), which continue to be rigid in other countries, including in the Czech Republic (75th).

Poland reaffirms its 41st position this year. The country displays a fairly even performance across all 12 pillars of competitiveness. Notable strengths include its large market size (19th) and high educational standards, in particular its high enrollment rates (it is ranked 20th on the quantity of education subpillar). The financial sector is well developed (37th), and confidence in this sector has been increasing for a number of years to rank 14th this year. Indeed, banks are assessed as more sound than they were only three years ago, although additional strengthening will be necessary given the country's still mediocre 57th rank on this indicator. Further enhancing competitiveness will require a significant upgrading of transport infrastructure, which trails international standards by a considerable margin (ranked 103rd). Although some progress has been made in this area in the run up to the European Football Championships in 2012, it is not sufficient to create the step change necessary to better connect the different parts of the country. The business sector remains very concerned about some aspects of the institutional framework, including the overall efficiency of government (116th) and government regulation (131st). As Poland transitions to the innovation-driven stage of development, it will have to focus more strongly on developing capacities in R&D and business sophistication. Stronger R&D orientation of companies, easier access to venture capital, and intensified collaboration between universities and the private sector would help the country to move toward a more future-oriented development path.

Italy moves up by one place to reach the 42nd position this year. The country continues to do well in some of the more complex areas measured by the GCI, particularly the sophistication of its businesses, where it

is ranked 28th, producing goods high on the value chain with one of the world's best business clusters (2nd). Italy also benefits from its large market size—the 10th largest in the world—which allows for significant economies of scale. However, Italy's overall competitiveness performance continues to be hampered by some critical structural weaknesses in its economy. Its labor market remains extremely rigid—it is ranked 127th for its labor market efficiency, hindering employment creation. Italy's financial markets are not sufficiently developed to provide needed finance for business development (111th). Other institutional weaknesses include high levels of corruption and organized crime and a perceived lack of independence within the judicial system, which increase business costs and undermine investor confidence—Italy is ranked 97th overall for its institutional environment. The efforts being undertaken by the present government to address such concerns, if successful, will be an important boost to the country's competitiveness.

Turkey moves up by 16 places this year to attain the 43rd spot. The country's economy grew by 8.4 percent in 2011 and benefits from considerable progress in a number of areas covered by the GCI. Macroeconomic stability has improved and the financial sector is assessed as more trustworthy and finance as more easily accessible for businesses. Improvements to the institutional framework and greater competition in local markets have also been registered; these will further strengthen the country's competitive position. Turkey's vibrant business sector derives important efficiency gains from its large domestic market (ranked 15th), which is characterized by intense local competition (16th). Turkey also benefits from its reasonably developed infrastructure (51st), particularly roads and air transport, although ports and the electricity supply require additional upgrading. In order to further enhance its competitiveness, Turkey must focus on building up its human resources base through better primary education and healthcare (63rd) and higher education and training (74th), increasing the efficiency of its labor market (124th), and reinforcing the efficiency and transparency of its public institutions (67th).

Portugal falls by four places in the rankings to 49th position. As in the case of other Southern European economies, Portugal continues to suffer from a deteriorating macroeconomic environment (116th)—despite the recent progress in curbing public deficits—and a worrisome state of the banking system (119th) that has shut down access to affordable financing, affecting the capacity of local firms to obtain loans (109th), equity (97th), or venture capital (97th) for their investment projects. In addition, labor markets are considered too rigid (137th) and the level of local competition low (82nd), mainly the result of a lack of liberalization in some services. Several of the structural reforms that Portugal has recently implemented are directed to addressing all

these weaknesses. Ensuring their proper implementation will be crucial to increasing Portugal's competitive edge and leveraging its traditional strengths in terms of high-quality infrastructure (11th) and the highly educated population (29th). However, as for Spain, cuts in research and innovation and a drop in corporate innovation-related investments could continue to affect the capacity of firms to innovate (40th) and therefore the capacity of the country to transform its economy and move toward higher-value-added activities.

Following a protracted economic crisis, **Ukraine** bounces back to 73rd position in this year's GCI. The country's competitiveness benefits notably from a healthier macroeconomic environment than in previous years. The budget deficit was cut to 2.7 percent of GDP in 2011, the debt-to-GDP ratio fell somewhat, and inflation was reduced, although it still remains fairly high at almost 8 percent. Overall, Ukraine maintains its competitive strengths; these result from its large market size (38th) and a solid educational system that provides easy access to all levels of education (ranked 47th on higher education and training and 54th on primary education). The good educational outcomes provide a basis for further developing the innovation capacity of the country (71st). Putting economic growth on a more stable footing in future will require Ukraine to address important challenges. Arguably, the country's most important challenge is the needed overhaul of its institutional framework, which cannot be relied on because it suffers from red tape, lack of transparency, and favoritism. Ukraine could realize further efficiency gains from instilling more competition into the goods and services markets (117th) and continuing the reform of the financial and banking sector (114th).

Kazakhstan moves back up to 51st, a similar position to the one it held a few years ago. This improvement reflects progress in a number of areas, but most importantly in macroeconomic stability, where the country ranks 16th, and technological readiness, where it advances from 87th to 55th. Despite the progress achieved, important challenges related to health and primary education (92nd), business sophistication (99th), and innovation (103rd) remain.

The **Russian Federation**, at 67th place, drops one position since last year. A sharp improvement in the macroeconomic environment—up from 44th to 22nd position because of low government debt and a government budget that has moved into surplus—has not been enough to allow the country to compensate for the poorer assessment of its already weak public institutions (133rd) and the innovation capacity of the country (85th this year, down from 57th in the 2010–2011 edition of the GCI). The country suffers from inefficiencies in the goods (134th), labor (84th), and financial (130th) markets, where the situation is deteriorating for the second year in a row. The weak

level of competition (136th)—caused by inefficient anti-monopoly policies (124th) and high restrictions on trade and foreign ownership as well as the lack of trust in the financial system (134th)—contributes to this inefficient allocation of Russia's vast resources, hampering higher levels of productivity in the economy. Moreover, as the country moves toward a more advanced stage of economic development, its lack of business sophistication (119th) and low rates of technological adoption (137th) will become increasingly important challenges for its sustained progress. On the other hand, its high level of education enrollment, especially at the tertiary level; its fairly good infrastructure; and its large domestic market (7th) represent areas that can be leveraged to improve Russia's competitiveness.

This year **Greece** falls another six places in the rankings to 96th, remaining the lowest-ranked country of the European Union. In the context of the ongoing sovereign debt crisis, Greece continues to fall in the macroeconomic environment pillar, dropping to rock bottom 144th position this year. Similarly, Greece's financial markets are assessed more poorly than in the past, down to 132nd from 110th last year, showing particularly low confidence on the part of investors. The evaluation of public institutions (e.g., government efficiency, corruption, undue influence) continues to suffer and is ranked a low 111th overall. Another major area of concern is the country's inefficient labor market (133th), which continues to constrain Greece's ability to emerge from the crisis, highlighting the importance of recent efforts to increase the retirement age and increase labor market flexibility. In working to overcome the present difficulties, Greece has a number of strengths on which it can build, including a reasonably well educated workforce that is adept at adopting new technologies for productivity enhancements. With the correct growth-enhancing reforms, there is every reason to believe that Greece will improve its competitiveness in the coming years.

Asia and the Pacific

As in previous years, the Asia and Pacific remains among the fastest-growing regions worldwide, and many of its economies have greatly improved their competitiveness over the past years. The excellent performance of some of the regional champions is reflected in the presence of six economies—Singapore; Hong Kong SAR; Japan; Taiwan, China; the Republic of Korea; and Australia—within the top 20. However, significant and growing differences persist in terms of the competitiveness performance within the region, with countries such as Bangladesh (118th), Pakistan (124th), and Nepal (125th) lagging further and further behind.

Taiwan, China, maintains its 13th position for the third year in a row. Its competitiveness profile is essentially unchanged and consistently strong. Notable

strengths include its highly efficient markets for goods, where the economy ranks 8th; its solid educational performance (9th); and its sophisticated business sector (13th), which is inclined to innovate (14th). Strengthening competitiveness will require continued improvements to the economy's institutional framework as well as stabilizing its macroeconomic environment, which would require fiscal consolidation to reduce the budget deficit.

Reversing the negative trend of recent years, the **Republic of Korea** (19th) advances five positions and re-enters the top 20. Despite this clear improvement, the assessment remains uneven across the 12 pillars of the Index. The country boasts outstanding infrastructure (9th) and a sound macroeconomic environment (10th), with a government budget surplus above 2 percent of GDP and low level of public indebtedness. Furthermore, primary education (11th) and higher education (17th) are universal and of high quality. These factors, combined with the country's high degree of technological readiness (18th), partly explain the country's remarkable capacity for innovation (16th). However, three concerns persist—namely, the quality of its institutions (62nd), its labor market efficiency (73rd), and its financial market development (71th), even though Korea posts improvements in all three areas.

After losing four positions to faster-improving economies last year, **Australia** retains its rank of 20th and score of 5.1, just behind Korea. Among the country's most notable advantages is its efficient and well-developed financial system (8th), supported by a banking sector that counts as among the most stable and sound in the world, ranked 5th. The country earns very good marks in education, placing 15th in primary education and 11th in higher education and training. Australia's macroeconomic situation is satisfactory in the current context (26th). Despite repeated budget deficits, its public debt amounts to a low 23 percent of GDP, the third lowest ratio among the advanced economies, behind only Estonia and Luxembourg. The main area of concern for Australia is the rigidity of its labor market (42nd). Indeed, the business community cites the labor regulations as being the most problematic factor for doing business, ahead of red tape. In addition, although the situation has improved since last year, transport infrastructure continues to suffer bottlenecks owing to the boom in commodity exports.

Following improvements in last year's *Report*, **Malaysia** maintains its score but drops four places as other economies move ahead. The most notable advantages are found in Malaysia's efficient and competitive market for goods and services (11th) and its remarkably supportive financial sector (6th), as well as its business-friendly institutional framework. In a region where many economies suffer from the lack of transparency and the presence of red tape, Malaysia stands out as particularly successful at tackling those

two issues. Yet, despite the progress achieved, much remains to be done to put the country on a more solid growth path. Its low level of technological readiness (51st) is surprising, especially given its achievements in other areas of innovation and business sophistication and the country's focus on promoting the use of ICT. Lack of progress in this area will significantly undermine Malaysia's efforts to become a knowledge-based economy by the end of the decade.

China (29th) loses some ground in this year's edition of the *Report*. After five years of incremental but steady progression, it has now returned to its 2009 level. The country continues to lead the BRICS economies by a wide margin,²⁵ ahead of second-placed Brazil (48th) by almost 20 ranks. Although China's decline is small—its overall score barely changes—it affects the rankings of every pillar of the GCI except market size. The deterioration is more pronounced in those areas that have become critical for China's competitiveness: financial market development (54th, down 6), technological readiness (88th, down 11), and market efficiency (59th, down 14). In this latter pillar, insufficient domestic and foreign competition is of particular concern, as the various barriers to entry appear to be more prevalent and more important than in previous years. On a more positive note, China's macroeconomic situation remains very favorable (11th), despite a prolonged episode of high inflation. China runs a moderate budget deficit; boasts a low, albeit increasing, government debt-to-GDP ratio of 26 percent; and its gross savings rate remains above 50 percent of GDP. The rating of its sovereign debt is significantly better than that of the other BRICS and indeed of many advanced economies. Moreover, China receives relatively high marks in health and basic education (35th) and enrollment figures for higher education are also on the rise, even though the quality of education—in particular the quality of management schools (68th)—and the disconnect between educational content and business needs (57th) in the country remain important issues.

After having fallen for six years in a row, **Thailand** (38th) halts the negative trend and improves by one place in this year's GCI. Yet the competitiveness challenges the country is facing remain considerable. Political and policy instability, excessive red tape, pervasive corruption, security concerns, and uncertainty around property rights protection seriously undermine the quality of the institutional framework on which businesses rely heavily. The country loses an additional 10 places in this category to rank a low 77th. Poor public health (71st) and basic education standards (89th), two other critical building blocks of competitiveness, require urgent attention. Turning to more sophisticated areas, which are just as important given Thailand's stage of development, technological adoption is generally poor (84th). Less than a quarter of the population accesses

the Internet on a regular basis, and only a small fraction has access to broadband. On a more positive note, the macroeconomic environment continues to improve—albeit marginally (27th, up one spot)—as the budget deficit was reduced to less than 2 percent of GDP and the debt-to-GDP ratio dropped to 42 percent in 2011.

Indonesia drops four places in this year's edition, but maintains its score and remains in the top 50 of the GCI. The country remains one of the best performers within the developing Asia region, behind Malaysia, China, and Thailand yet ahead of the Philippines, Vietnam, and all South Asian nations. The country's performance varies considerably across the different pillars. Some of the biggest shortcomings are found in the “basic” areas of competitiveness. The institutional framework (72nd) is undermined by concerns about corruption and bribery, unethical behavior within the private sector, and the cost to business of crime and violence. Yet bureaucracy is less burdensome and public spending less wasteful than in most countries in the region, and the situation keeps improving. And infrastructure remains largely underdeveloped (78th). Furthermore, the public health situation is a cause of even more concern (103rd). By contrast, Indonesia provides almost universal basic education of satisfactory quality (51st) and the macroeconomic environment is stable, judging by the country's 25th rank on the related pillar. This macroeconomic stability is buoyed by its solid performance on fundamental indicators: the budget deficit is kept well below 2 percent of GDP, the public debt-to-GDP ratio amounts to only 25 percent, and the savings rate remains high. Inflation was reduced to around 5 percent in recent years after frequent episodes of double-digit inflation in the past decade. These positive developments are reflected in the improving, although still low, country credit rating.

Because the country has entered the efficiency-driven stage of development, its competitiveness increasingly depends on more complex elements, which should be addressed on a priority basis. In this context, addressing the many rigidities (134th) and inefficiencies of the labor market (70th) would allow for a smoother transition of the labor force to more productive sectors of the economy. Additional productivity gains could be reaped by boosting technological readiness (85th), which remains low, with the country exhibiting only a slow and limited adoption of ICT.

India ranks 59th overall, down three places from last year. Since reaching its peak at 49th in 2009, India has lost 10 places. Once ahead of Brazil and South Africa, India now trails them by some 10 places and lags behind China by a margin of 30 positions. India continues to be penalized for its disappointing performance in the areas considered to be the basic factors underpinning competitiveness. The country's supply of transport, ICT, and energy infrastructure remains largely insufficient

and ill-adapted to the needs of the economy (84th). Indeed, the Indian business community repeatedly cites infrastructure as the single biggest hindrance to doing business, well ahead of corruption and bureaucracy. It must be noted, however, that the situation has been slowly improving since 2006. The picture is even bleaker in the health and basic education pillar (101st). Despite improvements across the board over the past few years, poor public health and education standards remain a prime cause of India's low productivity. Turning to the country's institutions, discontent within the business community remains high about the lack of reforms and the perceived inability of the government to push them through. Indeed, public trust in politicians (106th) has been weakening for the past three years. Once ranked a satisfactory 37th in this dimension, India now ranks 70th. Meanwhile, the macroeconomic environment (99th) continues to be characterized by large and repeated public deficits and the highest debt-to-GDP ratio among the BRICS. On a more positive note, inflation returned to single-digit territory in 2011.

Despite these considerable challenges, India does possess a number of strengths in the more advanced and complex drivers of competitiveness. This "reversed" pattern of development is characteristic of India. It can rely on a fairly well developed and sophisticated financial market (21st) that can channel financial resources to good use, and it boasts reasonably sophisticated (40th) and innovative (41th) businesses.

Ranked 65th, the **Philippines** is one of the countries showing the most improvement in this year's edition. Indeed, it has advanced 22 places since reaching its lowest mark in 2009. The Philippines makes important strides this year in improving competitiveness—albeit often from a very low base—especially with respect to its public institutions (94th, up 23 places). Trust in politicians has made considerable progress (95th, up 33), although significant room for improvement remains. The perception is that corruption (108th, up 11) and red tape (108, up 18) are finally being addressed decisively, even though they remain pervasive. The macroeconomic environment also exhibits marked improvement (36th up 18) and represents one of the strongest aspects of the Philippine's performance, along with its market size (35th). In addition, the financial sector has become more efficient and increasingly supportive of business activity (58th, up 13). Despite these very positive trends, many weaknesses remain to be addressed. The country's infrastructure is still in a dire state, particularly with respect to sea (120th) and air transport (112th), with little or no progress achieved to date. Furthermore, various market inefficiencies and rigidities continue, most notably in the labor market (103rd).

Vietnam ranks 75th this year and switches positions with the Philippines. Over the last two editions, Vietnam has lost 16 places and is now the second-lowest

ranked among eight members of the Association of Southeast Asian Nations (ASEAN) covered by the *Report*. The country loses ground in 9 of the 12 pillars of the GCI. It ranks below 50th in all of the pillars, and dangerously close to the 100th position on a majority of them. As a sign of its fragility and extreme volatility, Vietnam plunges 41 places in the macroeconomic environment pillar to 106th after it had recorded a 20-place gain in the previous edition. Inflation approached 20 percent in 2011, twice the level of 2010, and the country's sovereign debt rating worsened. In an effort to stem inflation, the State Bank of Vietnam tightened its monetary policy, thus making access to credit more difficult. Infrastructure (95th), strained by rapid economic growth, remains a major challenge for the country despite some improvement in recent years, with particular concerns about the quality of roads (120th) and ports (113th). Public institutions are characterized by rampant corruption and inefficiencies of all kinds. Respect of property rights (113th) and protection of intellectual property (123rd) are all insufficient according to the business community. Private institutions suffer from poor ethics and particularly weak accountability (132nd). Among Vietnam's few competitive strengths are its fairly efficient labor market (51st), its large market size (32nd), and a satisfactory performance in the public health and basic education pillar (64th). The challenges going forward are therefore numerous and significant and will require decisive policy action in order to put the country's growth performance on a more stable footing.

Latin America and the Caribbean

Latin America and the Caribbean has continued to grow steadily in the past year at an average rate of 4.5 percent. Strong external demand for local commodities, especially from China and other Asian economies, coupled with good macroeconomic management have allowed the countries in the region to put their short- and medium-term growth outlooks on a "glide path to steady growth."²⁶ With expected growth rates of 3.4 percent and 4.2 percent for 2012 and 2013, respectively, the region is expected to continue to outperform the rest of the world.

Despite this rather optimistic outlook, the region may face the interrelated potential headwinds of a less robust recovery in the United States, a deceleration in the economic growth of China and other Asian emerging economies, and the sovereign debt crisis in Southern Europe that is affecting the economic growth forecast in all of Europe. Against this backdrop, boosting national competitiveness by raising productivity is the best way to ensure economic growth over the longer term and increase the region's resilience to economic shocks.

Over the past year, although several countries have once again made good progress in raising competitiveness, the region as a whole continued to

face important competitiveness challenges. These pertain in particular to a weak institutional set-up with high insecurity, poor infrastructure, inefficient allocation of production resources caused by insufficient levels of competition, and a low capacity to generate new knowledge to strengthen R&D innovation in the region. Addressing these weaknesses will allow countries in Latin America and the Caribbean to be better connected not only among themselves but also to the rest of the world, and to boost productivity levels (Box 3).

Despite a slight drop of two positions, **Chile**, at 33rd place, shows a rather stable performance and remains the most competitive economy in Latin America. A very solid macroeconomic framework (14th) with very low levels of public debt (10th) and a government budget in surplus (21st), coupled with well-functioning and transparent public institutions (28th) and fairly well developed transport infrastructures (40th), provide Chile with a solid foundation on which to build and maintain its competitiveness leadership in the region. Moreover, the country's traditional liberalization policies and its openness to trade have resulted in flexible and efficient markets that ensure a good allocation of resources in the goods (30th), labor (34th), and financial (28th) markets. Notwithstanding these important strengths, Chile also presents a number of challenges in terms of improving the quality of its educational system (91st), which has created a heated public debate in the country. It also needs to increase the use of ICT (57th) and strengthen its national research and innovation system (44th). Further competitiveness gains will be contingent on successfully addressing these weaknesses. As the economy steadily moves toward a higher stage of development, many economic activities will require higher levels of skills and innovation in order to increase their competitiveness potential.

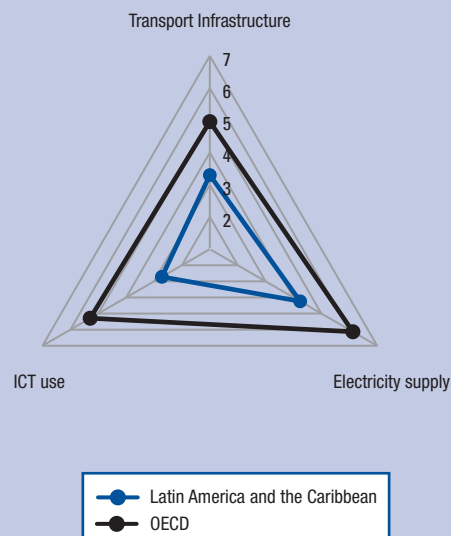
Panama, at 40th place and nine ranks up since last year, continues its steady progress and consolidates its position as the most competitive economy in Central America. Panama leverages its traditional strengths with its very good transport infrastructure (33rd), especially for ports (4th); its macroeconomic stability (53rd), despite the worrying inflation rate of nearly 6 percent; its efficient financial markets (9th); and its relatively high levels of competition (31st) and openness to FDI (9th). The country has also made progress in addressing some of the most pressing weaknesses that have traditionally hindered its competitiveness potential. More precisely, Panama seems to be improving the quality of its educational system compared with last year, although it still remains a very important challenge (112th). Corporate R&D investments (34th) appear now to contribute more to improving the country's innovative capacity (94th), which remains one of the biggest challenges to diversifying the national economy. However, little progress is observed in Panama's institutional set-up, where public trust

Box 3: Connecting the Americas through better transport, energy, and ICT infrastructure

At the Sixth Summit of the Americas, held in Colombia in April 2012, many Latin American leaders agreed on the need to better connect the Americas—while also keeping the region open to the world—as a way to increase productivity and competitiveness. Amid the five mandates that came out of the Summit, two emphasized the regional commitment to improve the road, rail, and electric networks on the continent, as well as information and communication technologies (ICT), where Latin America and the Caribbean still lag behind.

Transport, energy, and ICT infrastructure is crucial for boosting competitiveness. Good transport infrastructure decreases the costs of moving raw materials and intermediate components to production sites and from there to consumption markets; integrates national and regional markets, thus enhancing the efficiency in the allocation of resources; and reduces the time and cost for people to travel and interact, thus enhancing the flow of ideas and tacit knowledge that is crucial for innovation. Energy networks that provide reliable and affordable electricity are also essential because disruptions in the energy supply can impose large costs on companies, especially large manufacturing electricity-intensive businesses, which need to stop and restart their operations after a power interruption. ICT networks have also become more and more essential for competitiveness, not only as a way to reduce transaction costs in running operations and interacting with suppliers, clients, and the administration, but also—and more importantly—as a key enabler of innovation when ICT interacts with other economic activities.

Figure 1: Transport, electricity, and ICT infrastructures in Latin America and the Caribbean and the OECD, 2012



(Cont'd.)

Box 3: Connecting the Americas through better transport, energy, and ICT infrastructure (cont'd.)

Latin America and the Caribbean has traditionally lagged behind in building a dense network of transport and electricity infrastructure (Figure 1). Partly because of its complex geography and partly because of insufficient public investment and private-sector mobilization, transport and energy infrastructure has not been sufficiently developed in many countries. This remains one of the key challenges that hamper the capacity of local firms to reduce production and distribution costs. During the 1990s and the macroeconomic stabilization process that took place then, government budget cuts were felt particularly severely in infrastructure investment, which was drastically reduced. This affected the quality of all transport infrastructure, which trails sharply behind that of more advanced economies. Despite the region's rapid economic growth of the past decade, improvements in transport infrastructure have remained insufficient. This is particularly evident in the poor development of railroad networks, almost nonexistent in many Latin American countries, and road networks. Despite the improvements that have taken place around the biggest cities, the rapid urbanization and the traditional poor connectivity of rural areas still pose a severe challenge for competitiveness.

The region also lags behind in ICT use, which shows no sign of improvement. This situation is widening the digital

divide of the region compared with other areas in the world, notably developed economies (Table 1) but also many Asian economies.¹ The severe lag in the region is clearly reflected in the available Internet bandwidth capacity, which is only slightly above 20 percent of the OECD average. This affects the capacity of the already-low number of Internet users to access fast broadband connections, either through fixed or mobile devices. Addressing these weaknesses by improving national infrastructure and intra-national transport, energy, and ICT connectivity will be crucial moving forward. Improved infrastructure in all three areas will help increase national and regional productivity by deepening national and regional markets, reducing transaction costs, and creating more favorable conditions for innovation. Engaging in these resource-intensive projects will require closer collaboration between the public and private sectors to leverage each other's capacities and resources, and between national governments to enhance "connecting the Americas."

Note

- 1 For a more detailed analysis, consult *The Global Information Technology Report 2012*, available at www.weforum.org/gitr.

Table 1: Transport, electricity, and ICT infrastructures: Latin America and the Caribbean compared with OECD countries

| Indicator | Latin America and the Caribbean | OECD | Gap |
|---|---------------------------------|-------------|-------------|
| Transport infrastructure | 3.30 | 4.96 | 1.66 |
| Quality of overall infrastructure | 3.86 | 5.53 | 1.67 |
| Quality of roads | 3.58 | 5.19 | 1.61 |
| Quality of railroad infrastructure | 1.90 | 4.47 | 2.57 |
| Quality of port infrastructure | 3.93 | 5.21 | 1.27 |
| Quality of air transport infrastructure | 4.44 | 5.58 | 1.14 |
| Available airline seat kms/week, millions* | 397.33 | 2,373.87 | 1,976.53 |
| Electricity supply | 4.24 | 6.13 | 1.89 |
| Quality and reliability of electricity supply | 4.24 | 6.13 | 1.89 |
| ICT use | 2.72 | 5.29 | 2.57 |
| Individuals using Internet, %* | 35.15 | 75.02 | 39.87 |
| Broadband Internet subscriptions/100 pop.* | 6.00 | 26.51 | 20.51 |
| Int'l Internet bandwidth, kb/s per user* | 17.08 | 83.03 | 65.95 |
| Mobile broadband Internet subscriptions/100 pop.* | 5.35 | 45.96 | 40.60 |
| Mobile telephone subscriptions/100 pop.* | 112.49 | 118.16 | 5.68 |
| Fixed telephone lines/100 pop.* | 17.02 | 41.46 | 24.45 |

Note: The scores range from 1 to 7 for those variables that are collected from the Executive Opinion Survey. Those variables marked with an asterisk are collected from other sources and the values reflect the units indicated in variable. For more information on the definition and sources of these variables, please refer to Part 2.2 of this publication.

in politicians (101st) is low, security (96th) remains a general concern, and judicial independence is deemed one of the lowest in the region (132nd). Strengthening the functioning of the institutions and persisting with improvements to its education, research, and innovation systems will be crucial for Panama to continue raising its competitiveness performance.

The continued deterioration of the macroeconomic framework has led **Barbados** to fall two notches in the rankings, to 44th place. With one of the lowest national savings rates (136th) and one of the highest government debt levels (139th), the macroeconomic conditions in the country (134th) are strangling the access of businesses to financing through local equity markets (92nd), loans (79th), or venture capital (94th). As a result, the business community continues to face important challenges in engaging in new investment projects. Notwithstanding these serious weaknesses, which sharply affect economic activity, the country still benefits from well-functioning institutions (24th) and good infrastructure (22nd). Moreover, a very high quality educational system (11th), a high use of ICT (32nd), and a fairly sophisticated business community (36th) help foster innovation in a service-oriented economy despite the low R&D investment (72nd) and technological innovation capacity (91st).

Entering the top 50, **Brazil** goes up five positions to attain 48th place on the back of a relative improvement in its macroeconomic condition—despite its still-high inflation rate of nearly 7 percent—and the rise in the use of ICT (54th). Overall, Brazil's fairly sophisticated business community (33rd) enjoys the benefits of one of the world's largest internal markets (7th), which allows for important economies of scale and continues to have fairly easy access to financing (40th) for its investment projects. Notwithstanding these strengths, the country also faces important challenges. Trust in politicians remains low (121st), as does government efficiency (111th) because of excessive government regulation (144th) and wasteful spending (135th). The quality of transport infrastructure (79th) remains an unaddressed long-standing challenge and the quality of education (116th) does not seem to match the increasing need for a skilled labor force. Moreover, despite increasing efforts to facilitate entrepreneurship, especially for small companies, the procedures and time to start a business remain among the highest in the sample (130th and 139th, respectively) and taxation is perceived to be too high and to have distortionary effects (144th).

Mexico, at 53rd place, moves up five positions and consolidates last year's positive trend, with small improvements in seven of the 12 pillars. Overall, the country boasts several competitiveness strengths, including its large and deep internal market (11th), a sound macroeconomic framework (40th), fairly good transport infrastructure (41st), and fairly sophisticated

businesses (44th). Notwithstanding these strengths, Mexico still faces persistent structural challenges that will need to be addressed in order to continue improving the competitive edge of the economy. The functioning of public institutions is still poorly assessed (100th) because of the high costs associated with the lack of security (137th) and the low trust of the business community in politicians (97th). The functioning of the labor market is considered inefficient (102nd) because of rigidities in hiring and firing practices (113th) and the relatively low female participation (121st). The lack of effective competition (100th), especially in some key strategic sectors, also hinders an efficient allocation of resources that spills over into most sectors of the economy. Finally, Mexico's innovative potential is hampered by the low quality of education (100th) especially in math and science (124th), the low use of ICT (81st), and the low uptake by businesses of new technology to spur productivity improvements and innovation (75th).

Costa Rica bounces back four positions to 57th place. An improvement in the macroeconomic conditions of the country thanks to a lower budget deficit and decreasing government debt, coupled with an increase in ICT use, have allowed Costa Rica to obtain this better result. The country leverages its well-functioning public institutions (55th) despite the high costs associated with crime (85th) endemic in the region, the perception of high wastefulness of government spending (105th), and falling trust in politicians (64th). Moreover, Costa Rica has one of the highest innovation potentials in the region thanks to a high-quality educational system (21st), an acceptable use of ICT (58th), and an above-average capacity to innovate and use available technology (39th). Notwithstanding these strengths, the country still faces significant challenges that it must address to improve its competitive edge. The quality of transport infrastructure is poor (116th), procedures to start a business are lengthy (130th), and available financing for businesses—especially through local equity markets—is scarce (122nd), affecting the conditions for entrepreneurship.

Continuing its rise of the past several years, **Peru** climbs six positions in the rankings to reach 61st place. Further improvements to the already-good macroeconomic situation of the country (where it ranks 21st)—despite a rise in inflation—have buttressed this upward trend, while the situation in most of the other pillars has remained stable or slightly deteriorated. Overall Peru continues to enjoy the benefits of its liberalization policies that have supported the high levels of efficiency in the goods (53rd), labor (45th), and financial markets (45th). However, the country still faces important challenges for strengthening the functioning of its public institutions (118th), where government efficiency (100th) caused by excessive red tape (128th) and weak judicial independence are questioned. Moreover, the quality of its transport infrastructure (97th) needs to

be improved. Furthermore, as the economy moves to higher levels of development and explores ways to diversify away from its large mining sector, its low quality of education (132nd), poor use of ICT (89th), and low R&D and technological capacity (118th) work against developing the country's overall capacity to innovate and move toward higher-value-added activities.

Despite the slight decline of one position, **Colombia** shows a relatively stable picture at 69th place. An improvement in macroeconomic conditions (34th) thanks to the reduction of the government deficit and debt values has compensated for slight drops in those pillars that have traditionally represented competitiveness challenges: weak public institutions (122nd), the poor quality of its transport infrastructure (114th), the poor quality of education in the country (77th), and its low research and innovation capacity (70th). As the economy continues to improve steadily, with a growth rate of 4.5 percent, unaddressed challenges in these areas that hinder the competitive edge of national businesses seem to become more evident, despite recent policy efforts to address them. In order to further improve competitiveness, Colombia should address these weaknesses and further leverage its strengths in terms of the already-mentioned macroeconomic stability, its large and increasing domestic market (27th), and its relatively efficient financial market (55th).

Uruguay sustains one of the region's sharpest drops, falling 11 places in the rankings to 74th position. Despite important gains in reducing the procedures and time needed to start a business (29th and 25th, respectively) and slight increases in ICT use (46th) and market size (86th), Uruguay drops systematically in all the remaining eight pillars that drive competitiveness. Worrying inflationary pressures above 8 percent coupled with relatively high government debt (101th) have deteriorated the macroeconomic conditions (63rd) of the country and cast some doubt about the sustainability of recent growth rates. Although Uruguay still benefits from one of the best functioning institutional set-ups in the region (36th), there are rising concerns about excessive red tape (89th) and wasteful government spending (95th), as well as about the business cost of crime and violence (88th). Labor markets are considered very rigid (139th), with some of the world's most restrictive hiring and firing practices (138th) and a lack of flexibility in wage determination (144th) that does not match pay to productivity (143rd). As Uruguay's economy moves toward higher levels of development, some doubts arise about the ability of the traditionally praised educational system to generate the skills that businesses require (107th), the overall availability of scientist and engineers (117th), and the innovation capacity of the country more broadly (69th). Improving the macroeconomic management of the country while addressing its labor market conditions, along with enhancing its innovation

capacity by improving the quality of its educational system and the technological capacity of indigenous firms, will be crucial to shift the declining trend.

In the bottom half of the rankings, at 83rd place, **Guatemala** goes up by one place this year. The country boasts some relative competitiveness strengths in terms of flexible labor regulations for hiring and firing staff (54th) and wage determination (43rd), efficient financial market development (41st), and the intensity of local competition (46th). However, its competitiveness is hampered by a weak public institutional set-up (130th) and hindered by the very high costs of crime and violence (144th) and low trust of the business community in politicians (122nd). Guatemala's very low level of innovation capacity is the result of a low-quality educational system (130th), scarce use of ICT (99th), and low R&D-related innovation investments (90th). The weak quality of its transport infrastructure (93rd) also negatively affects its national competitiveness.

Falling 10 places, **Argentina** drops to 94th position this year. The continued deterioration of the country's macroeconomic conditions (94th) coupled with a very negative assessment of the institutional set-up (138th) and the inefficient functioning of the goods (140th), labor (140th), and financial markets (131st) are the main reasons for this poor evaluation. It appears that the country fails to leverage the important competitiveness potential provided by its large domestic market (21st) that allows for important economies of scale, its relatively high levels of ICT use (56th), and its high number of university enrollment rates (20th) that should provide local firms with a skilled labor force. Argentina's weak government efficiency (142nd) and high levels of undue influence (140th), along with one of the lowest ratings in terms of trust in politicians (143rd), result in a poor evaluation of its institutional functioning. Structural reforms to improve the functioning of the goods markets by increasing domestic competition (143rd) and reducing the barriers to entrepreneurship, increase the flexibility of the labor markets (142nd), and ease access to financing by deepening the financial market could result in important efficiency gains that could boost Argentina's productivity.

Venezuela, at 126th place, falls two positions in the rankings. As it did last year, the country continues to rank last in terms of the functioning of public institutions (144th), with a very low trust of the business community in politicians or in judicial independence. This, coupled with weak macroeconomic management (126th) resulting in inflation rates above 20 percent and a budget deficit above 5 percent of national GDP, as well as poor transport infrastructure (135th), hampers the capacity of the country to count on a solid foundation for enhancing competitiveness. In addition, weaknesses in the functioning of the goods market do not allow for an efficient allocation of resources. Low domestic

competition (144th), excessive red tape when starting a business (141st), and high trade tariffs (125th) as well as rules and regulations that deter FDI (144th) limit the efficiency of good markets. Rigidities in the labor market (144th) and weak financial development (133rd) also affect the development of business opportunities. Finally, although tertiary education enrollment is one of the highest in the world (11th), the quality of the educational system is assessed as poor (122nd). This and the low R&D spending (127th) contribute to the low innovation capacity of the country (134th).

The Middle East and North Africa

The Middle East and North Africa region continues to be affected by political turbulence that has impacted individual countries' competitiveness. Countries that embarked on partial reforms such as Jordan and Morocco move up in the rankings, while economies that were more significantly affected by unrest and political transformations tend to drop or stagnate in terms of national competitiveness. Addressing the unemployment challenge will remain the key economic priority of the region as a whole for the foreseeable future. Box 4 discusses how unemployment in the region interacts with competitiveness.

Qatar reaffirms once again its position as the most competitive economy in the region by moving up three places to 11th position, sustained by improvements in its macroeconomic environment, the efficiency of its markets for goods and services, and its institutional framework. Its strong performance in terms of competitiveness rests on solid foundations made up of a high-quality institutional framework, a stable macroeconomic environment (2nd), and an efficient goods market (10th). Low levels of corruption and undue influence on government decisions, high efficiency of government institutions, and high levels of security are the cornerstones of the country's very solid institutional framework, which provides a good foundation for heightening efficiency. Going forward, as noted in previous editions of this *Report*, reducing the country's vulnerability to commodity price fluctuations will require diversification into other sectors of the economy and reinforcing some areas of competitiveness. Qatar's efforts to strengthen its financial sector appear to be paying off, as the trustworthiness and confidence in the country's financial markets improved from 80th to 44th this year. However, the legal rights of borrowers and lenders remain underprotected (99th). Given its high wage level, diversification into other sectors will require the country to raise productivity by continuing to promote a greater use of the latest technologies (27th) and by fostering more openness to foreign competition—currently ranked at 42nd, reflecting barriers to international trade and investment.

Saudi Arabia maintains the second-best place in the region and falls by one position from 17th to 18th position overall. The country has seen a number of improvements to its competitiveness in recent years that have resulted in a solid institutional framework, efficient markets, and sophisticated businesses. Higher macroeconomic stability (6th) and more prevalent use of ICT for productivity improvements contribute to maintaining Saudi Arabia's strong position in the GCI. Its macroeconomic environment benefits from rising energy prices, which buoyed the budget balance into an even higher surplus in 2011. As much as the recent developments are commendable, the country faces important challenges going forward. Health and education do not reach the standards of other countries at similar income levels. Although some progress is visible in health outcomes, improvements are being made from a low level. As a result, the country continues to occupy low ranks in the health and primary education pillar (58th), and room for improvement remains on the higher education and training pillar (40th) as well. Boosting these areas, in addition to fostering a more efficient labor market (59th), will be of great significance to Saudi Arabia given its growing number of young people who will enter the labor market over the next several years. More efficient use of talent will increase in importance as global talent shortages loom on the horizon and the country attempts to diversify its economy, which will require a more skilled and educated workforce. Last but not least, although some progress has been recorded over the past years, the use of the latest technologies can be enhanced further (35th), especially as this is an area where Saudi Arabia continues to lag behind other Gulf economies.

The **United Arab Emirates** gains three places in the GCI to take the 24th position. The improvement reflects a better institutional framework as well as greater macroeconomic stability. Higher oil prices buoyed the budget surplus and allowed the country to reduce public debt and raise the savings rate. Overall, the country's competitiveness reflects the high quality of its infrastructure, where it ranks a very good 8th, as well as its highly efficient goods markets (5th). Strong macroeconomic stability (7th) and some positive aspects of the country's institutions—such as an improving public trust in politicians (3rd) and high government efficiency (7th)—round up the list of competitive advantages. Going forward, putting the country on a more stable development path will require further investment to boost health and educational outcomes. Raising the bar with respect to education will require not only measures to improve the quality of teaching and the relevance of curricula, but also incentivizing the population to attend schools at the primary and secondary levels.

Israel falls by four places to 26th in this year's GCI, reversing its upward trend of previous years. The

Box 4: The employment challenge in the Arab world

Despite their diversity in terms of national competitiveness, economies of the Arab world share one common challenge: the need to create gainful and sustainable employment for their rising populations. Over the past several decades most countries in the Arab world have relied on the government and state enterprises for employment creation. Although this was an expedient way to create jobs in the shorter term, over the longer term rapid population growth has made it impossible for the public sector to provide a sufficient number of jobs, particularly for the young people entering the labor market. Nor has the private sector been able to fill the gap in most of the countries, as it has remained stifled by a business environment that did not encourage private-sector growth. As a result, unemployment has risen in many countries in the Middle East over recent decades. Currently, the regional unemployment rate of 10.3 percent is the highest among all the regions, with women and youth most severely affected.¹ For example, according to the International Monetary Fund (IMF), Middle East and North African oil importers need to create 18.5 million full-time jobs over the next decade. Countries in the region will have to grow significantly above historical levels in order to meet their job creation targets. While the Middle East and North Africa region is the second-fastest growing region after sub-Saharan Africa according to IMF estimates, this growth is primarily based on the rise in energy prices. The energy sector is highly capital intensive and is not sufficient to create jobs in the region. In this context, what measures can the region explore to create jobs, in particular for young people?

- *Boosting private-sector growth.* The Arab region is in need of economic growth based on a vibrant and growing private sector if it is to attain durably higher levels of gainful, sustainable employment. The Global Competitiveness Index (GCI) sheds light on some of the major stumbling blocks to energizing the private sector, as more competitive economies are those that have in place those factors, policies, and institutions that enable higher productivity. The latter in turn tends to translate into higher growth that is necessary for higher employment. In the region, given

the untapped potential of domestic and export markets, higher productivity can be expected to also translate into increased employment over the longer term, in addition to leading to wage increases and rising standards of living.

- *Economic diversification.* In oil- and gas-exporting countries, where growth has been high over the past years because of high energy prices, creating jobs will require countries to continue efforts to diversify their economies. Given the high wage levels present throughout these economies, appropriate productivity levels can be achieved only through expanding into high-value-added, knowledge-based sectors.
- *Addressing the skills mismatch.* Much progress has been made in terms of promoting education in the Arab world over the past several decades. However, as more recent data show, university degrees do not increase the chances of finding a job in many Arab countries. This situation points to a misalignment of the skills taught in educational institutions and the needs of the region's employers. Indeed, when asked whether their country's educational systems are supportive of a competitive economy, business leaders in the region said that private-sector training schemes could provide solutions in this context. Training does not appear to be a priority for local businesses, however.
- *Promoting meritocracy.* In many countries, the public sector is the employer of choice and many of the hiring decisions are based on personal networks rather than formal qualifications. In the GCI, meritocracy is captured through two variables: the degree to which employers rely on professional managers when filling positions as opposed to friends and relatives, and the relationship between pay and productivity. On both indicators at least half of the 14 Middle East countries assessed in this *Report* rank in the bottom half of the rankings.

Note

- 1 See ILO 2012.

country's main strengths remain its world-class capacity for innovation (3rd), which rests on highly innovative businesses that benefit from the presence of the world's best research institutions geared toward the needs of the business sector. Israel's excellent innovation capacity, which is supported by the government's public procurement policies, is reflected in the country's high number of patents (4th). Its favorable financial environment, particularly evident in the ease of access to venture capital (3rd), has contributed to making Israel an innovation powerhouse. Challenges to maintaining and improving national competitiveness relate to the need for the continued upgrading of institutions (34th) and a renewed focus on raising the bar in terms of the quality of education. If not addressed, poor educational quality—particularly in math and science (89th)—could undermine the country's innovation-driven

competitiveness strategy over the longer term. As in previous years, the security situation remains fragile and imposes a high cost on business (65th). Room for improvement also remains with respect to the macroeconomic environment (64th), where increased budgetary discipline with a view to reducing debt levels (121st) would help the country maintain stability and support economic growth going into the future.

Jordan improves by seven positions to 64th rank. The country was considerably affected by the global financial and economic crisis in recent years. GDP growth slowed down to 2.3 percent annually in 2010 and has not returned to pre-crisis levels since (GDP growth was 8.2 percent in 2007). These growth rates are not sufficient to create the employment necessary to absorb the about 60,000 new entrants into the Jordanian labor market every year.²⁷ Boosting growth over the

longer term to levels that would result in sustainable job creation will require Jordan's policymakers to address a number of challenges. Stabilizing the macroeconomic environment should remain on the agenda and should be accompanied by growth-enhancing structural reforms. According to the GCI, there is significant room for improvements in terms of labor market efficiency and the full potential of ICT for productivity improvements has not yet been exploited, as reflected in the 90th rank on ICT use. Jordan could also benefit from more openness to international trade and investment, which would trigger efficiency gains in the domestic economy as well as transfer of knowledge and technology. Tariff barriers remain high in international comparison (104th) and regulatory barriers to FDI remain in place (70th). And although financing appears to be more easily available than in many other countries (i.e., 45th on ease of access to loans) and efforts to further stabilize the banking sector should be continued (90th).

Egypt drops by 13 positions to reach 107th place in this year's GCI. This assessment was arguably influenced by the uncertainty caused by the political transition the country has experienced since the events of the Arab Spring. According to the business community, government efficiency has deteriorated by 22 positions to 106th and the security situation, which was particularly affected by the events, has dropped 40 ranks to 128th. At the same time, the country has improved in individual areas captured by the institutions pillar, such as less favoritism being displayed by government officials (up by 31 ranks) and stronger corporate ethics (up by 17), suggesting the potential for further positive developments in the future. Many economic policy challenges lie ahead for the new government to put the country on a sustainable and equitable growth path. For Egypt to more fully benefit from the considerable potential that lies in its large market size and proximity to key global markets, the country will have to raise its productive potential across the domestic economy. According to the GCI, three areas are of particular importance. First, the macroeconomic environment has deteriorated over recent years to reach 138th position mainly because of widening fiscal deficit, rising public indebtedness, and persisting inflationary pressures. A credible fiscal consolidation plan will be necessary in order to maintain macroeconomic stability in the country. This may prove difficult in times of rising energy prices, as energy subsidies account for a considerable share of public expenditure. However, better targeting of subsidies could allow for fiscal consolidation while protecting the most vulnerable. Second, measures to intensify domestic competition would result in efficiency gains and contribute to energizing the economy by allowing for new entrants. And third, making labor markets flexible

(135th) and more efficient (141st) would allow the country to increase employment in the medium term.

Sub-Saharan Africa

Sub-Saharan Africa has grown impressively over the last 15 years: registering growth rates of over 5 percent in the past two years, the region continues to exceed the global average and to exhibit a favorable economic outlook. Indeed, the region has bounced back rapidly from the global economic crisis, when GDP growth dropped to 2.8 percent in 2009. These developments highlight its simultaneous resilience and vulnerability to global economic developments, with regional variations. Although growth in sub-Saharan middle-income countries seems to have followed the global slowdown more closely (e.g., South Africa), lower-income and oil-exporting countries in the region have been largely unaffected. These regional variations are reflected in this year's rankings. While some African economies improve with respect to national competitiveness this year, South Africa and Mauritius, the two African countries in the top half of the rankings, remain stable. However, other countries that were previously striding ahead are registering significant declines (Box 5). More generally, sub-Saharan Africa as a whole lags behind the rest of the world in competitiveness, requiring efforts across many areas to place the region on a firmly sustainable growth and development path going forward.

South Africa is ranked 52nd this year, remaining the highest-ranked country in sub-Saharan Africa and the third-placed among the BRICS economies. The country benefits from the large size of its economy, particularly by regional standards (it ranks 25th in the market size pillar). It also does well on measures of the quality of its institutions and on factor allocation, such as intellectual property protection (20th), property rights (26th), the accountability of its private institutions (2nd), and its goods market efficiency (32rd). Particularly impressive is the country's financial market development (3rd), indicating high confidence in South Africa's financial markets at a time when trust is returning only slowly in many other parts of the world. South Africa also does reasonably well in more complex areas such as business sophistication (38th) and innovation (42nd), benefitting from good scientific research institutions (34th) and strong collaboration between universities and the business sector in innovation (30th).

These combined attributes make South Africa the most competitive economy in the region. However, in order to further enhance its competitiveness, the country will need to address some weaknesses. South Africa ranks 113th in labor market efficiency (a drop of 18 places from last year), with rigid hiring and firing practices (143rd), a lack of flexibility in wage determination by companies (140th), and significant tensions in labor-employer relations (144th). Efforts

Box 5: Is sub-Saharan Africa's competitiveness improving?

Sub-Saharan Africa has grown impressively over the past 15 years. Indeed, growth rates of over 5 percent in the past two years have made it one of the fastest-growing regions in the world, far exceeding the global average. The region has also bounced back rapidly from the global economic crisis, when GDP regional growth dropped to 2.8 percent in 2009. These developments highlight both Africa's resilience as well as its vulnerability to global economic developments, with the region characterized by wide regional disparities. Although growth in sub-Saharan African middle-income countries (e.g., South Africa) seems to have declined largely in step with the global slowdown, lower-income countries in the region have been largely unaffected. In this context, a pertinent question is whether sub-Saharan Africa will be able to maintain these impressive growth rates going forward. In other words, have African countries been making the types of investments and policies that will make them competitive and thus place their economies on sustainable growth paths?

Against this backdrop, the GCI provides a useful diagnostic tool to determine how African countries are faring in putting into place the fundamentals that will keep them growing quickly. Indeed, these fundamentals can place them on the higher growth trajectories needed to ensure rapid increases in living standards, as has been seen in other developing regions—most notably much of emerging Asia.

Figure 1 shows the trends in average GCI scores based on the constant sample of African economies that have been included since the GCI was introduced in 2005. Their performance is benchmarked against that of the Organisation for Economic Co-operation and Development (OECD) average, providing a sense of how Africa's competitiveness has compared over the period with that of the world's most advanced economies. Further, recognizing the region's diversity, the figure breaks down the overall score into three relevant groups, following the International Monetary Fund's classification of sub-Saharan economies into oil exporters, middle-income economies, and low-income countries.¹

The OECD and sub-Saharan economies continue to gradually converge, averaging 4.9 (on a 1-to-7 scale) and 3.7, respectively, up from 3.4 for sub-Saharan Africa eight years ago. The data also reveal that sub-Saharan middle-income countries were catching up with the OECD average prior to the 2008–09 financial crisis, but these countries have since registered a decline in their competitiveness performances on average. The region's average score has been dragged down by South Africa in particular, which—because of its strong links to international trade and finance—has been affected by the global crisis more than other countries in the region. Likewise, low-income economies register a slight decline in their average competitiveness score this year, following seven years of small but continuous improvements in their GCI scores. Finally, oil exporters have seen an improvement in their competitiveness of 0.23 points since 2005, bouncing back from a global crisis-linked decline two years ago brought about by the period's drop in oil prices. The average competitiveness of the oil exporters remains low overall, which—along with their significant exposure to commodity prices—demonstrates a need to continue to improve their competitiveness by diversifying their economies to make them less vulnerable to such shocks in the future.

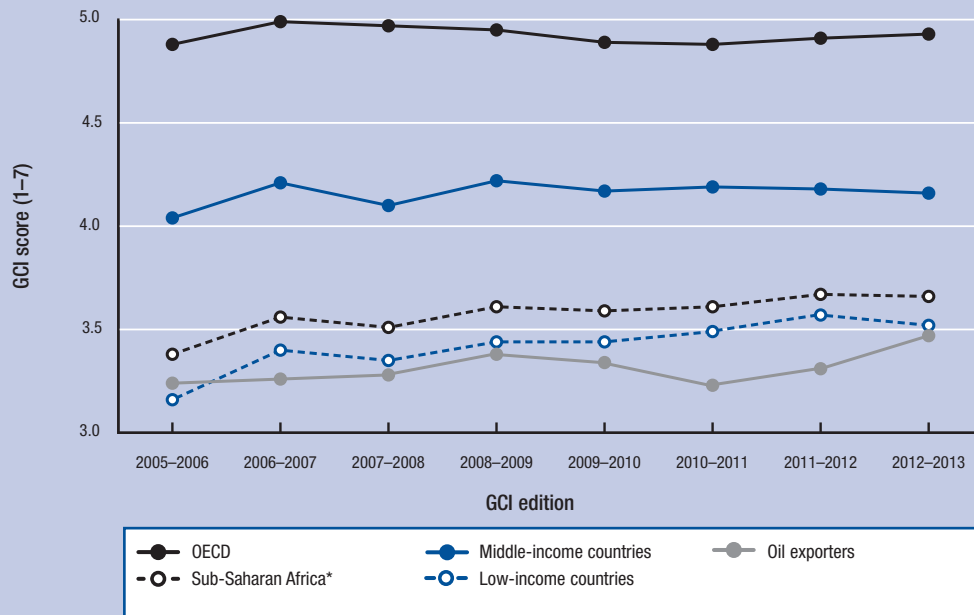
To gain a better understanding of the drivers of the region's competitiveness and future trends, Figure 2 presents the evolution of scores in basic requirements and the respective disaggregates for 2005–12. It also presents the average regional performance in efficiency enhancers. The reason for focusing on these two areas is that the GCI classifies all sub-Saharan economies in the factor-driven and efficiency-driven stages of development, and these two subindexes capture those elements most critical for improving competitiveness in these stages. The graph shows that gains in competitiveness stem from improvements in institutional quality, most noticeably in health and primary education, reflecting improved health conditions and gradually higher primary enrollment rates. Macroeconomic stability also improved in the pre-crisis years, although double-digit inflation in Eastern Africa on the back of increased food prices and higher fiscal deficits/government debt in other parts of the region have led to a deterioration of macroeconomic stability since 2008. The figure also shows that the region has registered a persistent and worrisome infrastructure deficit: despite gradual improvements in the run-up to the financial crisis, the quality and quantity of infrastructure has largely stagnated at low levels since then, in part due to a decline in investment following the financial crisis. The infrastructure deficit is particularly striking given gradual improvements across the various efficiency enhancers (e.g., market efficiency, technological readiness) in the past years. Removing this bottleneck would boost intra-regional trade and help the region to further diversify external trade, thereby making it more resilient to external shocks (e.g., decline in demand from the euro area, oil price shocks).

Looking forward, reducing the competitiveness divide between sub-Saharan economies and advanced economies will be the single most determining factor that can launch the region onto a firmly sustainable growth and development path. This will require effort across many areas. To complement the time-trend analysis, Figure 3 gives an overview of the 33 sub-Saharan economies covered in this year's GCI (compared with 17 countries in the constant sample). The broader sample allows classification into oil exporters, middle-income countries, non-fragile low-income countries, and fragile countries.² The data suggest that oil-exporting economies trail the performance of even fragile economies in all areas in the basic requirements pillar except for macroeconomic stability, which is bolstered by oil revenues. They exhibit the largest infrastructure deficit in the region, their institutional quality is similar to that of fragile economies, and they perform considerably worse than other countries in the region in educating their young population and providing good conditions for a healthy workforce. This is also reflected in this year's rankings where first-time entrant Gabon leads the African oil exporters at 99th place, followed by Cameroon (112th), Nigeria (115th), and Chad at 139th place. Thus, despite a favorable growth outlook according to the International Monetary Fund, their economies remain vulnerable to oil price shocks and they need to improve their competitiveness and encourage greater diversification if they are to place their economies on more sustainable growth paths.

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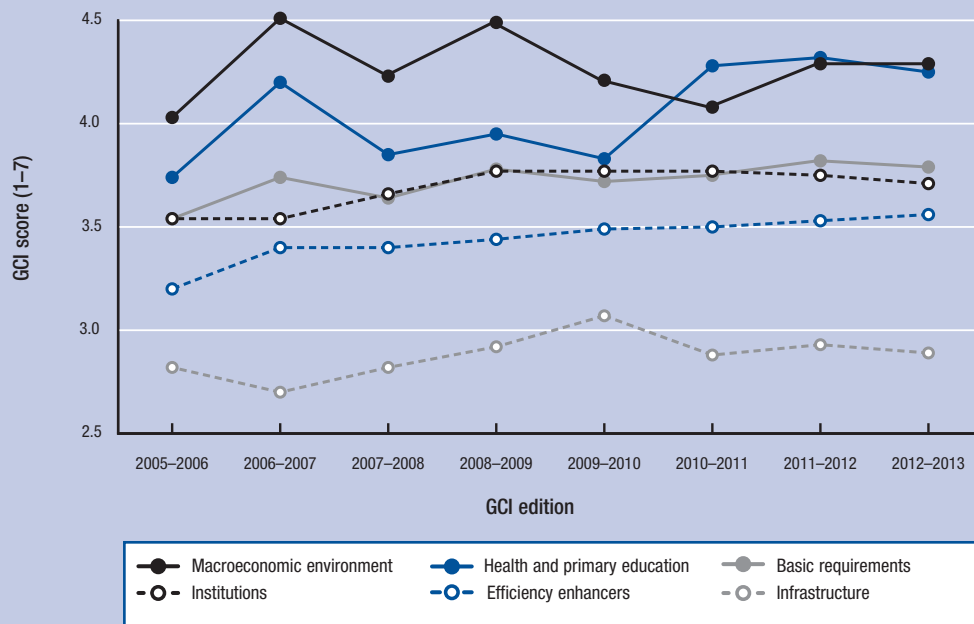
Box 5: Is sub-Saharan Africa's competitiveness improving? (cont'd.)

Figure 1: Trends in GCI scores, 2005–12



Note: The constant sample includes the following economies: Oil exporters: Cameroon, Chad, and Nigeria; middle-income countries: Botswana, Mauritius, Namibia, and South Africa; low-income countries: Benin, Ethiopia, Gambia, Kenya, Madagascar, Mali, Mozambique, Tanzania, Uganda, and Zimbabwe.
* 2005 constant sample.

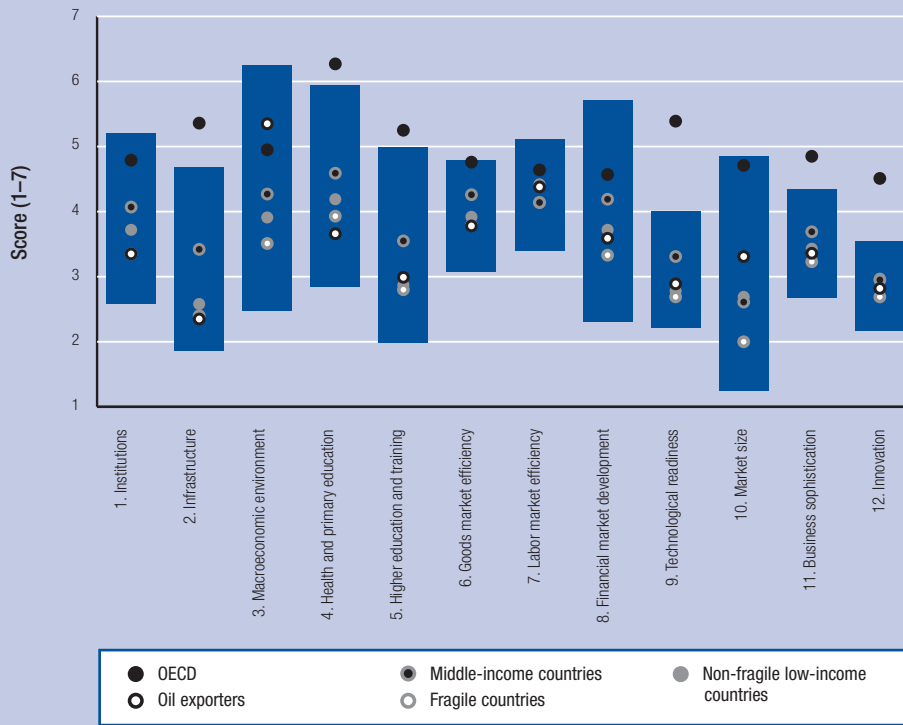
Figure 2: Trends in factor-driven and efficiency-driven scores, 2005–12



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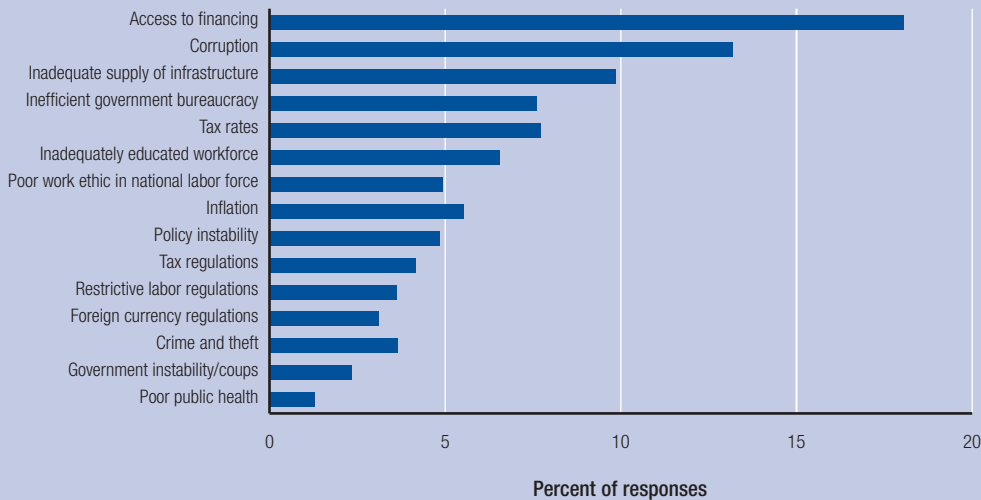
Box 5: Is sub-Saharan Africa’s competitiveness improving? (cont'd.)

Figure 3: Performance of sub-Saharan Africa and subregions in the GCI 2012–2013



Note: The constant sample includes the following economies: Oil exporters: Cameroon, Chad, Gabon, and Nigeria; middle-income countries: Botswana, Cape Verde, Ghana, Lesotho, Mauritius, Namibia, Senegal, Seychelles, South Africa, Swaziland, and Zambia; non-fragile low-income economies: Benin, Burkina Faso, Ethiopia, Gambia, Kenya, Madagascar, Malawi, Mali, Mozambique, Rwanda, Sierra Leone, Tanzania, and Uganda; fragile economies: Burundi, Côte d'Ivoire, Guinea, Liberia, and Zimbabwe. The blue bars reflect the dispersion in performance across sub-Saharan countries in the 12 dimensions analyzed in the GCR, the end points presenting the highest and lowest score in the sample, respectively.

Figure 4: The most problematic factors for doing business: Sub-Saharan African average



(Cont'd.)

Box 5: Is sub-Saharan Africa's competitiveness improving? (cont'd.)

Middle-income economies, all currently in the efficiency-driven stage of development, outperform their regional peers in all areas except for labor market efficiency, market size, and innovative capacity. South Africa and Mauritius lead the regional rankings this year, placing 52nd and 54th, respectively, followed by the Seychelles at 76th place. Finally, non-fragile low-income economies enter the pillar rankings as expected, with Rwanda leading at 63rd, and Sierra Leone closing the regional rankings at 143rd place.

These outcomes are further corroborated by the perspective of Africa's business leaders. Figure 4 presents the most problematic factors for doing business in the region, and reveals that access to financing, corruption, and an inadequate supply of infrastructure are seen to be significant hindrances to doing business in Africa. These are issues that must be tackled in order to encourage the wealth and job creation that are still so needed in the region.

As to whether or not the region will be able to continue on a sustainable growth path will depend on critical improvement across all pillars, with a focus on the infrastructure deficit. Overall, the results provide cause

for cautious optimism. Africa's competitiveness has been improving in recent years in specific areas. However, looking forward, to better enable national economies to ensure solid future economic performance, African economies must continue to make efforts to develop economic environments that are based on productivity enhancements. This means keeping a clear focus on strengthening the institutional, physical, and human capital prerequisites for a strong and competitive private-sector led development. Only in this way will Africa be able to sustain and even accelerate its progress in the positive direction that it has taken over the past decade.

Notes

- 1 Originally, sub-Saharan economies were grouped into oil exporters, middle-income countries, non-fragile low-income countries, and fragile countries. As Zimbabwe is the only country classified as fragile in the constant sample, we merge fragile and non-fragile low-income countries into a single group of low-income countries for purpose of this trend exercise. See IMF 2012a.
- 2 See IMF 2012a.

must also be made to increase the university enrollment rate in order to better develop its innovation potential. Combined efforts in these areas will be critical in view of the country's high unemployment rate of almost 25 percent in the second quarter of 2012. In addition, South Africa's infrastructure, although good by regional standards, requires upgrading (63rd). The poor security situation remains another important obstacle to doing business in South Africa. The high business costs of crime and violence (134th) and the sense that the police are unable to provide sufficient protection from crime (90th) do not contribute to an environment that fosters competitiveness. Another major concern remains the health of the workforce, which is ranked 132nd out of 144 economies—the result of high rates of communicable diseases and poor health indicators more generally.

Mauritius comes in at 54th this year, the second-highest ranked country in the region after South Africa. The country benefits from relatively strong and transparent public institutions (40th), with clear property rights, strong judicial independence, and an efficient government. Private institutions are rated as highly accountable (13th), with effective auditing and accounting standards and strong investor protection. The country's infrastructure is well developed by regional standards, particularly its ports, air transport, and fixed telephony. Its health standards are also impressive compared with those of other sub-Saharan African countries. Further, its goods markets are efficient (27th). However, efforts are still required in education. Enrollment rates remain low

at all levels, and the country's educational system gets only mediocre marks for quality. Beyond its educational weaknesses, its labor markets could be made more efficient—it has stringent hiring and firing practices (78th) and wages that are not flexibly determined (108th), reducing the incentive for job creation in the country.

Rwanda moves up by seven places this year to 63rd position, continuing to place third in the sub-Saharan African region. As do the other comparatively successful African countries, Rwanda benefits from strong and relatively well-functioning institutions, with very low levels of corruption (an outcome that is certainly related to the government's non-tolerance policy), and a good security environment. Its labor markets are efficient, its financial markets are relatively well developed, and Rwanda is characterized by a capacity for innovation that is quite good for a country at its stage of development. The greatest challenges facing Rwanda in improving its competitiveness are the state of the country's infrastructure, its low secondary and university enrollment rates, and the poor health of its workforce.

The **Seychelles** enters the Index for the first time this year at 76th position overall, 4th in the region. The country benefits from strong and well-functioning institutions by regional standards (47th), with strong public trust in politicians (38th) and a government that is seen as efficient (28th). Infrastructure is also relatively well developed (42nd), and the country has impressive educational outcomes in terms of enrollment rates, although the quality of education—particularly in math and science—is perceived to be rather poor by the

business community. Moving forward, the country will need to improve the efficiency of its markets, particularly its goods and financial markets (ranked 70th and 94th, respectively). Further, because the Seychelles is now approaching the innovation-driven stage of development, a more innovative business culture will be critical for ensuring continued productivity enhancements into the future.

Botswana moves up one place to 79th, one of the top five economies in the region. Among the country's strengths are its relatively reliable and transparent institutions (33rd), with efficient government spending, strong public trust in politicians, and low levels of corruption. Although improving since last year, Botswana's macroeconomic environment remains of some concern and is ranked 81st this year. However, Botswana's primary weaknesses continue to be related to its human resources base. Education enrollment rates at all levels remain low by international standards, and the quality of the educational system receives mediocre marks. Yet it is clear that by far the biggest obstacle facing Botswana in its efforts to improve its competitiveness remains its health situation. The rates of disease in the country remain very high, and health outcomes are poor despite improvements in fighting malaria and reducing infant mortality.

Namibia continues its downward trend and falls nine places this year to 92nd place, with weakening across most areas measured by the Index. The country continues to benefit from a relatively well functioning institutional environment (52nd), with well-protected property rights, an independent judiciary, and reasonably strong public trust in politicians. The country's transport infrastructure is also good by regional standards (59th). Financial markets are developed by international standards (47th) and buttressed by solid confidence in financial institutions (23rd), although their overall assessment has weakened for three years in a row. With regard to weaknesses, as in much of the region, Namibia's health and education indicators are worrisome. The country is ranked a low 120th on the health subpillar, with high infant mortality and low life expectancy—the result, in large part, of the high rates of communicable diseases. On the educational side, enrollment rates remain low and the quality of the educational system remains poor, ranked 127th. In addition, Namibia could do more to harness new technologies to improve its productivity levels; it currently shows low penetration rates of new technologies such as mobile phones and the Internet.

Ghana is ranked 103rd this year, moving up by an impressive 11 places since last year on the back of improvements in the basic requirements of its macroeconomic stability and health and educational outcomes. Traditionally displaying strong public institutions and governance indicators, especially in

regional comparison, along with increased government regulation and sizeable deteriorations in all indicators have dragged down the country's score in the institutions pillar to 75th place (from 61st last year). Education levels also continue to lag behind international standards at all levels, labor markets are still characterized by inefficiencies, and the country is not harnessing new technologies for productivity enhancements (ICT adoption rates are very low). On a more positive note, some aspects of its infrastructure are good by regional standards, particularly the state of its ports. Financial markets are also relatively well developed (59th).

Kenya is ranked 106th this year, showing a relatively steady performance. The country's strengths continue to be found in the more complex areas measured by the GCI. Kenya's innovative capacity is ranked an impressive 50th, with high company spending on R&D and good scientific research institutions that collaborate well with the business sector in research activities. Supporting this innovative potential is an educational system that—although educating a relatively small proportion of the population compared with most other countries—gets relatively good marks for quality (37th) as well as for on-the-job training (62nd). The economy is also supported by financial markets that are well developed by international standards (24th) and a relatively efficient labor market (39th). On the other hand, Kenya's overall competitiveness is held back by a number of factors. Health is an area of serious concern (115th), with a high prevalence of communicable diseases contributing to the low life expectancy of less than 57 years and reducing the productivity of the workforce. The security situation in Kenya is also worrisome (125th).

Liberia enters the rankings for the first time at 111th place. The country's institutions receive an impressive assessment (45th), with strong public trust in politicians (25th) and high marks for the efficiency of government (30th). Goods markets are also efficient (40th), with few procedures and low cost to start a business in the country, and a taxation regime that is not overly distortive to economic decision making. In order to enhance Liberia's competitiveness, the country must focus on building physical infrastructure and enhancing human resources by improving the health and education levels of the country's workforce, as well as encouraging the adoption of the latest technologies for productivity enhancements.

After some deterioration in the rankings over recent years, **Nigeria** has moved up to 115th place this year thanks to improved macroeconomic conditions (reflecting a positive government balance and a drop in inflation, although it remains in the double digits) and a financial sector that is recovering from its 2009 crisis. The country has a number of strengths on which to build, including its relatively large market (33rd), which provides its companies with opportunities for economies of scale.

Nigeria's businesses are also sophisticated by regional standards (66th), with some cluster development, companies that tend to hire professional managers, and a willingness to delegate decision-making authority within the organization. Likewise, the country registers improvements in its labor market based on more efficient use of talent. On the other hand, despite a slight improvement since last year, the institutional environment does not support a competitive economy because of concerns about the protection of property rights, ethics and corruption, undue influence, and government inefficiencies. The security situation in the country continues to be dire and has worsened since last year (134th). Additionally, Nigeria receives poor assessments for its infrastructure (130th) as well as its health and primary education levels (142nd). Furthermore, the country is not harnessing the latest technologies for productivity enhancements, as demonstrated by its low rates of ICT penetration.

Tanzania is ranked 120th this year. Tanzania benefits from public institutions characterized by a relative evenhandedness in the government's dealings with the private sector (56th) and government regulation that is not seen as overly burdensome (58th). In addition, some aspects of the labor market lend themselves to efficiency, such as a high female participation in the labor force (5th) and reasonable redundancy costs. On the other hand, infrastructure in the country is underdeveloped (132nd), with low-quality roads and ports and an unreliable electricity supply. And although primary education enrollment is commendably high, providing universal access, enrollment rates at the secondary and university levels are among the lowest in the world (both at 137th place). In addition, the quality of the educational system needs upgrading. A related area of concern is the low level of technological readiness in Tanzania (122nd), with very low uptake of ICT such as the Internet and mobile telephony. In addition, the basic health of its workforce is also a serious concern; the country is ranked 113th in this area, with poor health indicators and high levels of diseases.

Zimbabwe remains stable at 132nd position. Public institutions continue to receive a weak assessment, particularly related to corruption, security, and government favoritism, although overall the assessment of this pillar is better than it was just a few years ago. On the other hand, some major concerns linger with regard to the protection of property rights (137th), where Zimbabwe is among the lowest-ranked countries, reducing the incentive for businesses to invest. And despite efforts to improve its macroeconomic environment—including the dollarization of its economy in early 2009, which brought down inflation and interest rates—the situation continues to be bad enough to place Zimbabwe among the lowest-ranked countries in this pillar (122nd), demonstrating the extent of efforts

still needed to ensure its macroeconomic stability. Weaknesses in other areas include health (133rd in the health subpillar), low education enrollment rates, and official markets that continue to function with difficulty (particularly with regard to goods and labor markets, ranked 133rd and 139th, respectively).

Mozambique ranks 138th this year and needs improvements across many areas to lift the economy onto a sustainable growth and development path, particularly in view of its natural resource potential. The country's public institutions receive a weak assessment on the back of low public trust in politicians, significant red tape faced by companies in their business dealings, and the perceived wastefulness of government spending. Indeed, recurring government deficits are leading to a rising public debt burden. Macroeconomic stability is further undermined by double-digit inflation, although recent efforts seem to be bearing some fruit in containing price rises. Looking ahead, important reform efforts will be needed to improve the country's long-term competitiveness, including critical investments across all modes of infrastructure (rank 129th), establishing a regulatory framework that encourages competition to foster economic diversification, and developing a sound financial market (134th). Also critical, in view of the country's rapidly growing population and high unemployment, are investing in the healthcare system and primary education (137th) as well as higher education and training (138th).

CONCLUSIONS

This chapter has discussed the results of the Global Competitiveness Index, covering 144 economies from all of the world's regions. The GCI aims to capture the complexity of the phenomenon of national competitiveness, which can be improved only through an array of reforms in different areas that affect the longer-term productivity of a country, which is the key factor affecting economic growth performance of economies. Recent events related to the financial and economic crisis and the continued uncertain ramifications within the global economy highlight the importance of measures to increase competitiveness in order to put economic growth of countries on a more stable and more sustainable footing.

Since its introduction in 2005, the GCI has been used by an increasing number of countries and institutions to benchmark national competitiveness. The clear and intuitive structure of the GCI framework is useful for prioritizing policy reforms because it allows each country to identify the strengths and weaknesses of its national competitiveness environment and pinpoint those factors most constraining its economic development. More specifically, the GCI provides a platform for dialogue among government, business, and civil society that can serve as a catalyst for

productivity-improving reforms, with the aim of boosting the living standards of the world's citizens.

Over the years, the GCI has proved to be a very useful tool for advancing competitiveness across countries. More recently, in order to better place the discussion on competitiveness in a societal and environmental context, the World Economic Forum has begun exploring the complex relationship between competitiveness and sustainability as measured by its social and environmental dimensions. The work carried out to date on these important aspects of human and economic development is described in Chapter 1.2.

NOTES

- 1 The first version of the Global Competitiveness Index was published in 2004. See Sala-i-Martin and Artadi 2004.
- 2 Schumpeter 1942; Solow 1956; and Swan 1956.
- 3 See, for example, Sala-i-Martin et al. 2004 for an extensive list of potential robust determinants of economic growth.
- 4 See Easterly and Levine 1997; Acemoglu et al. 2001, 2002; Rodrik et al. 2002; and Sala-i-Martin and Subramanian 2003.
- 5 See de Soto 2000.
- 6 See de Soto and Abbot 1990.
- 7 See Shleifer and Vishny 1997; Zingales 1998.
- 8 See Kaufmann and Vishwanath 2001.
- 9 See Aschauer 1989; Canning et al. 1994; Gramlich 1994; and Easterly 2002.
- 10 See Fischer 1993.
- 11 See Sachs 2001.
- 12 See Schultz 1961; Lucas 1988; Becker 1993; and Kremer 1993.
- 13 See Almeida and Carneiro 2009; Amin 2009; and Kaplan 2009 for country studies demonstrating the importance of flexible labor markets for higher employment rates and, therefore, economic performance.
- 14 See Aghion and Howitt 1992 and Barro and Sala-i-Martin 2003 for a technical exposition of technology-based growth theories.
- 15 A general purpose technology (GPT), according to Trajtenberg (2005), is one that, in any given period, gives a particular contribution to an overall economy's growth thanks to its ability to transform the methods of production in a wide array of industries. Examples of GPTs have been the invention of the steam engine and the electric dynamo.
- 16 See Sachs and Warner 1995; Frenkel and Romer 1999; Rodrik and Rodriguez 1999; Alesina et al. 2005; and Feyrer 2009.
- 17 This is particularly important in a world in which economic borders are not as clearly delineated as political ones. In other words, when Belgium sells goods to the Netherlands, the national accounts register the transaction as an export (so the Netherlands is a foreign market for Belgium), but when California sells the same kind of output to Nevada, the national accounts register the transaction as domestic (so Nevada is a domestic market for California).
- 18 See Romer 1990; Grossman and Helpman 1991; and Aghion and Howitt 1992.
- 19 Probably the most famous theory of stages of development was developed by the American historian W. W. Rostow in the 1960s (see Rostow 1960). Here we adapt Michael Porter's theory of stages (see Porter 1990). Please see Chapter 1.1 of *The Global Competitiveness Report 2007–2008* for a complete description of how we have adapted Michael Porter's theory for the present application.

- 20 Some restrictions were imposed on the coefficients estimated. For example, the three coefficients for each stage had to add up to one, and all the weights had to be non-negative.
- 21 In order to capture the resource intensity of the economy, we use as a proxy the exports of mineral products as a share of overall exports according to the sector classification developed by the International Trade Centre in their Trade Performance Index. In addition to crude oil and gas, this category also contains all metal ores and other minerals as well as petroleum products, liquefied gas, coal, and precious stones. The data used cover the years 2006 through 2010 or most recent year available. Further information on these data can be found at <http://www.intracen.org/menus/countries.htm>.

All countries that export more than 70 percent of mineral products are considered to be to some extent factor driven. The stage of development for these countries is adjusted downward smoothly depending on the exact primary export share. The higher the minerals export share, the stronger the adjustment and the closer the country will move to stage 1. For example, a country that exports 95 percent of mineral exports and that, based on the income criteria, would be in stage 3 will be in transition between stages 1 and 2. The income and primary exports criteria are weighted identically. Stages of development are dictated solely by income for countries that export less than 70 percent minerals. Countries that export only primary products would automatically fall into the factor-driven stage (stage 1).
- 22 OECD 2012.
- 23 Further minor adjustments to the data are that the redundancy cost in the labor market efficiency pillar (7th) is now calculated based on a different tenure of the employee than in previous years and that the Internet bandwidth is now indicated per user instead of per capita.
- 24 See World Economic Forum 2012a.
- 25 The BRICS countries are Brazil, Russia, India, China, and South Africa.
- 26 IMF 2012b.
- 27 IMF 2012c.

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Appendix: Computation and structure of the Global Competitiveness Index 2012–2013

This appendix presents the structure of the Global Competitiveness Index 2012–2013 (GCI). The numbering of the variables matches the numbering of the data tables. The number preceding the period indicates to which pillar the variable belongs (e.g., variable **1.11** belongs to the 1st pillar and variable **9.04** belongs to the 9th pillar).

The computation of the GCI is based on successive aggregations of scores from the indicator level (i.e., the most disaggregated level) all the way up to the overall GCI score. Unless mentioned otherwise, we use an arithmetic mean to aggregate individual variables within a category.^a For the higher aggregation levels, we use the percentage shown next to each category. This percentage represents the category's weight within its immediate parent category. Reported percentages are rounded to the nearest integer, but exact figures are used in the calculation of the GCI. For example, the score a country achieves in the 9th pillar accounts for 17 percent of this country's score in the *efficiency enhancers* subindex, irrespective of the country's stage of development. Similarly, the score achieved on the subpillar *transport infrastructure* accounts for 50 percent of the score of the infrastructure pillar.

Unlike the case for the lower levels of aggregation, the weight put on each of the three subindexes (*basic requirements*, *efficiency enhancers*, and *innovation and sophistication factors*) is not fixed. Instead, it depends on each country's stage of development, as discussed in the chapter.^b For instance, in the case of Burundi—a country in the first stage of development—the score in the *basic requirements* subindex accounts for 60 percent of its overall GCI score, while it represents just 20 percent of the overall GCI score of Sweden, a country in the third stage of development. For countries in transition between stages, the weighting applied to each subindex is reported in the corresponding profile at the end of this volume. For instance, in the case of Algeria, currently in transition from stage 1 to stage 2, the weight on each subindex is 59.1 percent, 35.7 percent, and 5.2 percent, respectively, as reported in the country/economy profile on page 88.

Variables that are not derived from the Executive Opinion Survey (Survey) are identified by an asterisk (*) in the following pages. The Technical Notes and

Sources section at the end of the *Report* provides detailed information about these indicators. To make the aggregation possible, these variables are transformed onto a 1-to-7 scale in order to align them with the Survey results. We apply a min-max transformation, which preserves the order of, and the relative distance between, country scores.^c

Indicators that are followed by the designation “^{1/2}” enter the GCI in two different pillars. In order to avoid double counting, we assign a half-weight to each instance.^d

Weight (%) within
immediate parent category

BASIC REQUIREMENTS

1st pillar: Institutions25%

A. Public institutions75%

1. Property rights20%

- 1.01 Property rights
- 1.02 Intellectual property protection^{1/2}

2. Ethics and corruption20%

- 1.03 Diversion of public funds
- 1.04 Public trust in politicians
- 1.05 Irregular payments and bribes

3. Undue influence20%

- 1.06 Judicial independence
- 1.07 Favoritism in decisions of government officials

4. Government efficiency20%

- 1.08 Wastefulness of government spending
- 1.09 Burden of government regulation
- 1.10 Efficiency of legal framework in settling disputes
- 1.11 Efficiency of legal framework in challenging regulations
- 1.12 Transparency of government policymaking
- 1.13 Provision of government services for improved business performance

5. Security20%

- 1.14 Business costs of terrorism
- 1.15 Business costs of crime and violence
- 1.16 Organized crime
- 1.17 Reliability of police services

B. Private institutions25%

1. Corporate ethics50%

- 1.18 Ethical behavior of firms

2. Accountability50%

- 1.19 Strength of auditing and reporting standards
- 1.20 Efficacy of corporate boards
- 1.21 Protection of minority shareholders' interests
- 1.22 Strength of investor protection*

2nd pillar: Infrastructure.....25%**A. Transport infrastructure..... 50%**

- 2.01 Quality of overall infrastructure
- 2.02 Quality of roads
- 2.03 Quality of railroad infrastructure^g
- 2.04 Quality of port infrastructure
- 2.05 Quality of air transport infrastructure
- 2.06 Available airline seat kilometers*

B. Electricity and telephony infrastructure 50%

- 2.07 Quality of electricity supply
- 2.08 Mobile telephone subscriptions^h
- 2.09 Fixed telephone lines^h

3rd pillar: Macroeconomic environment25%

- 3.01 Government budget balance*
- 3.02 Gross national savings*
- 3.03 Inflation*^f
- 3.04 Government debt*
- 3.05 Country credit rating*

4th pillar: Health and primary education.....25%**A. Health 50%**

- 4.01 Business impact of malaria^g
- 4.02 Malaria incidence*^g
- 4.03 Business impact of tuberculosis^g
- 4.04 Tuberculosis incidence*^g
- 4.05 Business impact of HIV/AIDS^g
- 4.06 HIV prevalence*^g
- 4.07 Infant mortality*
- 4.08 Life expectancy*

B. Primary education 50%

- 4.09 Quality of primary education
- 4.10 Primary education enrollment rate*

EFFICIENCY ENHANCERS**5th pillar: Higher education and training.....17%****A. Quantity of education 33%**

- 5.01 Secondary education enrollment rate*
- 5.02 Tertiary education enrollment rate*

B. Quality of education 33%

- 5.03 Quality of the educational system
- 5.04 Quality of math and science education
- 5.05 Quality of management schools
- 5.06 Internet access in schools

C. On-the-job training 33%

- 5.07 Local availability of specialized research and training services
- 5.08 Extent of staff training

6th pillar: Goods market efficiency17%**A. Competition..... 67%****1. Domestic competition variable^h**

- 6.01 Intensity of local competition
- 6.02 Extent of market dominance
- 6.03 Effectiveness of anti-monopoly policy
- 6.04 Extent and effect of taxation^h
- 6.05 Total tax rate*
- 6.06 Number of procedures required to start a business*ⁱ
- 6.07 Time required to start a business*ⁱ
- 6.08 Agricultural policy costs

2. Foreign competition variable^h

- 6.09 Prevalence of trade barriers
- 6.10 Trade tariffs*
- 6.11 Prevalence of foreign ownership
- 6.12 Business impact of rules on FDI
- 6.13 Burden of customs procedures
- 6.14 Imports as a percentage of GDP*ⁱ

B. Quality of demand conditions..... 33%

- 6.15 Degree of customer orientation
- 6.16 Buyer sophistication

7th pillar: Labor market efficiency17%**A. Flexibility 50%**

- 7.01 Cooperation in labor-employer relations
- 7.02 Flexibility of wage determination
- 7.03 Hiring and firing practices
- 7.04 Redundancy costs*
- 6.04 Extent and effect of taxation^h

B. Efficient use of talent..... 50%

- 7.05 Pay and productivity
- 7.06 Reliance on professional management^h
- 7.07 Brain drain
- 7.08 Female participation in labor force*

8th pillar: Financial market development.....17%**A. Efficiency 50%**

- 8.01 Availability of financial services
- 8.02 Affordability of financial services
- 8.03 Financing through local equity market
- 8.04 Ease of access to loans
- 8.05 Venture capital availability

B. Trustworthiness and confidence..... 50%

- 8.06 Soundness of banks
- 8.07 Regulation of securities exchanges
- 8.08 Legal rights index*

9th pillar: Technological readiness17%**A. Technological adoption 50%**

- 9.01 Availability of latest technologies
- 9.02 Firm-level technology absorption
- 9.03 FDI and technology transfer

B. ICT use 50%

- 9.04 Internet users*
- 9.05 Broadband Internet subscriptions*
- 9.06 Internet bandwidth*
- 9.07 Mobile broadband subscriptions*
- 2.08 Mobile telephone subscriptions*^h
- 2.09 Fixed telephone lines^h

10th pillar: Market size.....17%

A. Domestic market size.....75%

10.01 Domestic market size index*^k

B. Foreign market size25%

10.02 Foreign market size index*^l

INNOVATION AND SOPHISTICATION FACTORS

11th pillar: Business sophistication50%

- 11.01 Local supplier quantity
- 11.02 Local supplier quality
- 11.03 State of cluster development
- 11.04 Nature of competitive advantage
- 11.05 Value chain breadth
- 11.06 Control of international distribution
- 11.07 Production process sophistication
- 11.08 Extent of marketing
- 11.09 Willingness to delegate authority
- 7.06 Reliance on professional management^½

12th pillar: R&D Innovation.....50%

- 12.01 Capacity for innovation
- 12.02 Quality of scientific research institutions
- 12.03 Company spending on R&D
- 12.04 University-industry collaboration in R&D
- 12.05 Government procurement of advanced technology products
- 12.06 Availability of scientists and engineers
- 12.07 PCT patent applications
- 1.02 Intellectual property protection^½

NOTES

a Formally, for a category *i* composed of *K* indicators, we have:

$$category_i = \frac{\sum_{k=1}^K indicator_k}{K}$$

b As described in the chapter, the weights are as specified below. Refer to Table 2 of the chapter for country classification according to stage of development:

| | Stage of development | | | | |
|---|-------------------------|------------------------------------|-----------------------------|------------------------------------|-----------------------------|
| | Factor-driven stage (1) | Transition from stage 1 to stage 2 | Efficiency-driven stage (2) | Transition from stage 2 to stage 3 | Innovation-driven stage (3) |
| GDP per capita (US\$) thresholds* | <2,000 | 2,000–2,999 | 3,000–8,999 | 9,000–17,000 | >17,000 |
| Weight for basic requirements subindex | 60% | 40–60% | 40% | 20–40% | 20% |
| Weight for efficiency enhancers subindex | 35% | 35–50% | 50% | 50% | 50% |
| Weight for innovation and sophistication factors subindex | 5% | 5–10% | 10% | 10–30% | 30% |

* For economies with a high dependency on mineral resources, GDP per capita is not the sole criterion for the determination of the stage of development. See text for details.

c Formally, we have:

$$6 \times \left(\frac{\text{country score} - \text{sample minimum}}{\text{sample maximum} - \text{sample minimum}} \right) + 1$$

The *sample minimum* and *sample maximum* are, respectively, the lowest and highest country scores in the sample of economies

covered by the GCI. In some instances, adjustments were made to account for extreme outliers. For those indicators for which a higher value indicates a worse outcome (e.g., disease incidence, government debt), the transformation formula takes the following form, thus ensuring that 1 and 7 still corresponds to the worst and best possible outcomes, respectively:

$$-6 \times \left(\frac{\text{country score} - \text{sample minimum}}{\text{sample maximum} - \text{sample minimum}} \right) + 7$$

d For those categories that contain one or several half-weight variables, country scores are computed as follows:

$$\frac{(\text{sum of scores on full-weight variables}) + \frac{1}{2} \times (\text{sum of scores on half-weight variables})}{(\text{count of full-weight variables}) + \frac{1}{2} \times (\text{count of half-weight variables})}$$

e “n/appl.” is used for economies where the railroad network totals less than 50 kilometers.

f In order to capture the idea that both high inflation and deflation are detrimental, inflation enters the model in a U-shaped manner as follows: for values of inflation between 0.5 and 2.9 percent, a country receives the highest possible score of 7. Outside this range, scores decrease linearly as they move away from these values.

g The impact of malaria, tuberculosis, and HIV/AIDS on competitiveness depends not only on their respective incidence rates but also on how costly they are for business. Therefore, in order to estimate the impact of each of the three diseases, we combine its incidence rate with the Survey question on its perceived cost to businesses. To combine these data we first take the ratio of each country’s disease incidence rate relative to the highest incidence rate in the whole sample. The inverse of this ratio is then multiplied by each country’s score on the related Survey question. This product is then normalized to a 1-to-7 scale. Note that countries with zero reported incidence receive a 7, regardless of their scores on the related Survey question. In the case of malaria, countries receive a 7 if they have been classified as non-endemic by the World Health Organization (WHO).

h The *competition* subpillar is the weighted average of two components: *domestic competition* and *foreign competition*. In both components, the included variables provide an indication of the extent to which competition is distorted. The relative importance of these distortions depends on the relative size of domestic versus foreign competition. This interaction between the domestic market and the foreign market is captured by the way we determine the weights of the two components. Domestic competition is the sum of consumption (C), investment (I), government spending (G), and exports (X), while foreign competition is equal to imports (M). Thus we assign a weight of (C + I + G + X)/(C + I + G + X + M) to *domestic competition* and a weight of M/(C + I + G + X + M) to *foreign competition*.

i Variables 6.06 and 6.07 combine to form one single variable.

j For variable 6.14, imports as a percentage of GDP, we first apply a log-transformation and then a min-max transformation. This indicator was formerly numbered 10.04. It still enters the computation of the market size indexes (see note k).

k The size of the domestic market is constructed by taking the natural log of the sum of the gross domestic product valued at purchased power parity (PPP) plus the total value (PPP estimates) of imports of goods and services, minus the total value (PPP estimates) of exports of goods and services. Data are then normalized on a 1-to-7 scale. PPP estimates of imports and exports are obtained by taking the product of exports as a percentage of GDP and GDP valued at PPP. The underlying data are reported in the data tables section (see Tables 10.03, 6.14, and 10.04).

l The size of the foreign market is estimated as the natural log of the total value (PPP estimates) of exports of goods and services, normalized on a 1-to-7 scale. PPP estimates of exports are obtained by taking the product of exports as a percentage of GDP and GDP valued at PPP. The underlying data are reported in the data tables.

Assessing the Sustainable Competitiveness of Nations

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In recent years, citizens, the business community, and governments have become more cognizant of the impacts that the economic growth model of the past decades may have on the natural environment and the development of cohesive societies. Data on economic growth and employment show that, in the period after World War II in Western economies, economic growth went hand in hand with improving living conditions, access to more and better goods and services for a growing portion of the population, and an overall enhancement of well-being. More recently the sharp rises in economic growth in developing and emerging markets have pulled hundreds of millions of people out of poverty, dramatically improving their living conditions.

However, aggregate statistics may not fully reflect the potential negative effects that these patterns of economic development might have had either on those portions of the population who find themselves unable to benefit from the overall improving economic conditions, or on the natural environment.

A number of events and trends have raised concerns about the social sustainability of the existing development model. These include the events that led to what became known as the “Arab Spring”; the rise of unemployment in many Western economies, particularly in segments of the population such as the young and the less skilled; and increasing inequalities of income and socioeconomic opportunities in both Western countries and fast-growing Asian economies.¹

Moreover, in terms of environmental sustainability, the existing (consumption-driven) economic model coupled with a rising population has brought about increasing pressure on natural resources such as water, energy, and mineral resources, which are becoming scarcer in the face of rising demand. The undesirable environmental consequences of human activity, such as pollution, are leading to a less habitable world. The unpredictable consequences of climate change are also raising the costs of environmental management. Together, these alterations call into question the feasibility of an economic model that does not fully take them into account.

As a result, social and environmental sustainability have become increasingly significant components of, and complements to, economic performance. Consequently they need to be properly understood and measured in order to inform policies that will set and achieve the desired objectives, and to better track progress toward higher levels of sustainable prosperity.

EXISTING EFFORTS TO DEFINE AND MEASURE SUSTAINABILITY: IDENTIFYING KNOWLEDGE GAPS

In response to this growing desire to better understand and measure the relationship between economic growth and sustainability, a vast and rapidly growing literature has developed. Examples of this seminal work include

Box 1: Advisory Board on Sustainability and Competitiveness

The Advisory Board on Sustainability and Competitiveness advises the World Economic Forum on integrating the concept of sustainability more fully into *The Global Competitiveness Report*. Members are drawn from the network of Global Agenda Councils (GACs), the World Economic Forum's knowledge backbone. They represent voices from key business sectors, government, and civil society.

- **James Cameron**, Chairman, Climate Change Capital, United Kingdom
- **Dan Esty**, Commissioner, Connecticut Department of Energy and Environmental Protection, USA
- **Edwin J. Feulner Jr.**, President, The Heritage Foundation, USA
- **Clément Gignac**, Minister of Natural Resources and Wildlife of Quebec, Canada
- **Jeni Klugman**, Director for Gender, The World Bank, USA
- **Marc A. Levy**, Deputy Director, Center for International Earth Science Information Network, Columbia University, USA
- **John W. McArthur**, Senior Fellow, UN Foundation & Nonresident Senior Fellow, Brookings Institution
- **Kevin X. Murphy**, President and Chief Executive Officer, J.E. Austin Associates Inc., USA
- **Mari Elka Pangestu**, Minister of Tourism and Creative Economy, Indonesia
- **Xavier Sala-i-Martin**, Professor, Economics Department, Columbia University, USA
- **Mark Spelman**, Global Head, Strategy, Accenture, United Kingdom
- **Simon Zadek**, Senior Visiting Fellow, Global Green Growth Institute (GGGI), Republic of Korea

the application of economic theory to environmental issues that find their roots in Katharine Coman's article on the problem of commons for irrigation in 1911. Since then, numerous contributions have included the environment in endogenous growth models as an input of production functions and as a constraint in utility maximization problems.² The highly influential *Stern Review on the Economics of Climate Change* in 2006 also analyzed and calculated the economic costs associated with the emissions of particles causing climate change.

Many other studies have looked at the relationship between economic growth and inequality or economic growth and social cohesion, analyzing the potential costs of increased inequalities that can result in social and political tensions, riots, and the inability of societies to mobilize all available productive resources as well as

the relationship between economic growth and the rise of long-term structural unemployment.³ Yet evidence from different countries is inconclusive about the relation existing between income inequality and growth.

Significant efforts have been made over recent decades to devise methods and metrics for capturing the concept of sustainability. For example, the concept of *triple bottom line accounting*, which emerged in the 1980s, has been a serious attempt to expand the traditional reporting framework for companies and countries to take into account environmental and social performance as well as financial and economic performance. The work of the Stiglitz-Sen-Fitoussi Commission in 2008 also reflects a remarkable attempt to expand the measurement of prosperity in societies "beyond measures of market activity to measure well-being." International organizations have also embraced these efforts. The European Commission, for example, has integrated sustainability objectives into its growth strategy: "The Europe 2020 Strategy, for smart, inclusive and sustainable growth."⁴ The Organisation for Economic Co-operation and Development (OECD) is undertaking the Better Life Initiative, measured by the Better Life Index,⁵ which includes social and environmental sustainable metrics; and, finally, the United Nations Development Programme (UNDP) has also included the concepts of environmental sustainability and equity in its human development assessment.⁶

All these efforts to integrate environmental and social sustainability metrics better into mainstream development thinking have been possible thanks to the ongoing attempts to improve the indicators in these fields, which are still not widely available. In terms of metrics on environmental sustainability only, the Environmental Performance Index (EPI), and its predecessor the Environmental Sustainability Index, developed by researchers at Yale and Columbia universities;⁷ the Ecological Footprint, developed by the Global Footprint Network;⁸ and the Global Adaptation Index,⁹ created by the Global Adaptation Institute, have been pioneers in measuring the ecological resource use and resource capacity of countries.

For social sustainability, fewer attempts have been made. Among others, we could highlight the World Bank's *Worldwide Governance Indicators Framework*, which measures different aspects of governance such as political instability, voice, and accountability;¹⁰ and the International Labour Organization's Decent Work initiative, which aims at measuring various elements relevant for labor conditions.¹¹

In recent years, the World Economic Forum has been at the forefront of the discussion on environmental sustainability, working to shape the agenda by catalyzing international public-private platforms that help governments draw on private expertise to co-design robust proposals for addressing a large variety

of environmental issues. More generally, the Forum has found itself at the intersection of this discussion as a key convening platform for debating and developing a better understanding of what these different aspects of sustainability require from the international community and national policymakers as well as business leaders. Issues of economic, social, and environmental sustainability have been showcased and discussed at many of the Forum's regional and annual meetings.

Although much progress has been made in recent years, several knowledge gaps remain in terms of fully understanding and measuring the relationship between economic growth and environmental and social sustainability as well as how it affects the ability of countries to boost their sustainable prosperity and that of their citizens. Against this backdrop, the World Economic Forum—in collaboration with a multi-stakeholder Advisory Board of international experts (Box 1)—embarked on an effort to integrate sustainability concepts into its competitiveness work. The results of our preliminary work were released in last year's edition of *The Global Competitiveness Report*.

We have continued to work on the topic over the past year. This chapter describes the evolution in our thinking about *sustainable competitiveness*, a newly coined term describing a concept not sufficiently understood. This work has a threefold objective:

1. to deepen our understanding of the concept of sustainable competitiveness as the key driver of sustainable prosperity, and of the complex relationships between the determinants of long-term economic growth and social and environmental sustainability;
2. to provide a preliminary comparative assessment of where individual economies stand on various elements of sustainable competitiveness, as defined by the World Economic Forum; and
3. to call the attention to the lack of high-quality data that would allow countries to fully understand how they fare in these critical areas. Without an improvement in the quality and availability of sustainability data, countries will have trouble monitoring the rise or decline in the prosperity and quality of life of their citizens, and therefore it will be difficult for them to determine policies that would be appropriate to put into place.

DEFINING SUSTAINABLE COMPETITIVENESS: BRIDGING THE KNOWLEDGE GAPS

As mentioned above, a great deal of work has been done to advance our understanding and to measure the concept of sustainability, yet little work has been carried out at the intersection between competitiveness and

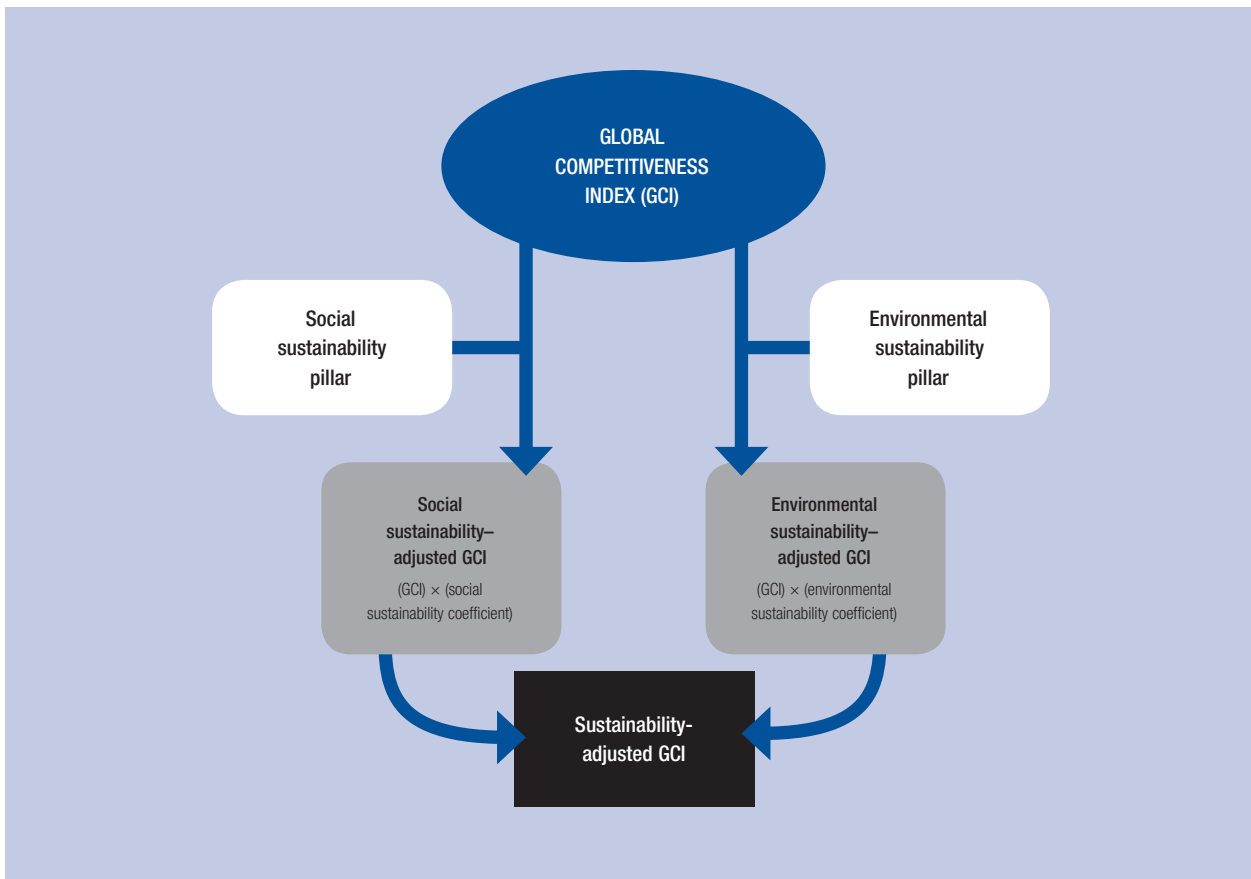
sustainability to elucidate the nature of their relationship. The World Economic Forum's ongoing efforts in the area of sustainable competitiveness aims at bridging this gap by identifying the complex elements of these relationships and providing a working definition of the concept. The central idea of sustainable competitiveness reflects the search for a development model that would balance economic prosperity, environmental stewardship, and social sustainability.

The first relationship to analyze is the one between competitiveness and environmental sustainability, which comprises aspects such as pollution, resource scarcity, water availability, and the regulatory framework as far as it pertains to environmental policies and measures. A high-quality and well-managed natural environment is related to robust national competitiveness through multiple channels. It enables the efficient use of resources and ensures that future generations will be able to count on them to meet their own needs. A high-quality natural environment also supports a healthy workforce, circumventing the damaging effects on human capital (such as illness and diminished human capital productivity) that can be brought about by pollution and other forms of environmental degradation. Finally, environmental degradation may directly reduce the productivity of sectors such as agriculture, which in turn can have negative implications both for the economy (especially for countries where GDP is heavily dependent on agriculture) and for matters of food security.

More generally, environmental degradation, via climate change for example, can erode the quality of living conditions. Changes in temperature alone can have a direct impact on the economy via decreased crop productivity and increased volatility of commodity prices.¹² For instance, in July 2012 the price of corn soared by 23 percent because of the unprecedented drought in the United States, and the price of sugar increased by 12 percent because of untimely rain in Brazil.¹³

Another direct negative impact on the economy occurs through climate-related natural catastrophes that damage infrastructure. In turn, these events will divert available resources from productivity-enhancing investments, such as education and innovation, for reconstruction purposes. According to an estimate of the 2007/2008 UN *Human Development Report*, to reach the Millennium Development Goals by 2015, the additional cost associated with coping with a more hostile climate will be approximately US\$85 billion per year. In 2011, unprecedented floods in Thailand cost its economy US\$45 billion, according to the World Bank, and triggered disruptions to many global supply chains. China has recently experienced its worst drought in 60 years, with over 4 million farmers facing severe water shortages. Finally, environmental sustainability affects biodiversity and the quality of the habitat, which has

Figure 1: The structure of the sustainability-adjusted GCI



Note: Refer to appendix A for a detail explanation of the methodology.

implications for human living conditions. Recent floods in the Philippines have claimed at least 1,500 lives, with corresponding negative impacts to infrastructure and land. And in 2010, 17 million people were affected by floods in Pakistan, making it that country's most expensive natural disaster, while an autumn drought in the Amazon brought river flow to its lowest level since 1902 in some parts.¹⁴

Based on this analysis and the relationship between different elements of environmental sustainability and competitiveness, our definition of *environmental sustainability* is the institutions, policies, and factors that ensure an efficient management of resources to enable prosperity for present and future generations.

The second relationship to analyze is the one between competitiveness and social sustainability. Typically, higher levels of competitiveness produce higher levels of economic growth and therefore prosperity for societies, raising the well-being of citizens, who can consume more available goods and services. However, in some cases—when the generated wealth does not reach some parts of the population, who thus remained marginalized—higher levels of competitiveness may not lead to higher levels of social sustainability. Those societies in which parts of the population cannot

contribute to economic activity or where income disparities are very high are those that likely do not benefit from the full potential of their resources and are more prone to social unrest, affecting the efficiency of economic production.

Based on this analysis, our definition of *social sustainability* is the institutions, policies, and factors that enable all members of society to experience the best possible health, participation, and security; and that maximize their potential to contribute to and benefit from the economic prosperity of the country in which they live.

The third and final relationship to analyze is the one between environmental and social sustainability. High levels of poverty and inequality may lead to massive unplanned urbanization, such as slums, where large segments of the population do not have access to basic services. Such living conditions can have significant repercussions for the environment, including the destruction of the natural environment via deforestation and the pollution of water resources because of a lack of waste management.¹⁵

Based on the relationships between competitiveness and environmental and social sustainability described above, our definition of *sustainable competitiveness* is the set of institutions, policies, and factors that

make a nation remain productive over the longer term while ensuring social and environmental sustainability. Fundamental to this concept is the notion that, while competitiveness can be equated with productivity and economic performance, sustainable competitiveness can be linked to a broader concept that focuses on aspects that go beyond mere economic performance to include other important elements that render societies sustainable by ensuring high-quality growth. Another way of looking at the concept of sustainable competitiveness is that it aims to gauge not only whether a country has the potential to be prosperous and to grow over the medium and long term, but also whether the national development process contributes to the kind of society in which we want to live.

MEASURING SUSTAINABLE COMPETITIVENESS: THE CONCEPTUAL FRAMEWORK

Based on our definition of sustainable competitiveness, we have developed a framework that aims to create a common ground to develop policies that balance economic prosperity with social inclusion and environmental stewardship.

This conceptual model is represented in Figure 1, which presents a framework where the Forum's index for measuring competitiveness, the Global Competitiveness Index (GCI), is adjusted by factors that encompass social and environmental sustainability.

This framework highlights the central position of competitiveness as the key driver of prosperity in society. High levels of competitiveness are crucial to sustained prosperity. The GCI measures the level of competitiveness of an economy, as discussed in Chapter 1.1, defined as *the set of institutions, policies, and factors that determine the level of productivity of an economy*. The GCI is a comprehensive index that takes into account 12 pillars or drivers: institutions, infrastructure, macroeconomic environment, health and primary education, higher education and training, goods market efficiency, labor market efficiency, financial market development, technological readiness, market size, business sophistication, and innovation. The variables that are analyzed in each of these 12 pillars are well known and benefit from more than 30 years of ongoing work on competitiveness at the World Economic Forum.

However, the framework presented in Figure 1 also indicates that competitiveness on its own may not lead to sustainable levels of prosperity. The attainment of a certain level of economic prosperity is essential for improving high standards of living. However, within this exercise, countries are assessed for their ability to generate this prosperity for their citizens in a sustainable way. In other words, competitiveness is a necessary but not sufficient condition for prosperity—hence the need for social sustainability-adjusted and environmental sustainability-adjusted measures of competitiveness.

Box 2: Our evolving approach to measuring sustainable competitiveness

In the 2011–2012 edition of *The Global Competitiveness Report*, a beta version of a Sustainable Competitiveness Index (SCI) was presented in Chapter 1.2. It incorporated most of the elements of the World Economic Forum's existing Global Competitiveness Index (GCI), as described in Chapter 1.1, as well as a number of new elements, including a "social cohesion" pillar and a number of measures of environmental stewardship and the efficient use of resources. A comparison was then made between the results of the GCI and the SCI to provide a sense of the extent to which countries are competitive today while also preparing for a strong performance in the future.

The project team has continued to work with the Advisory Board over the past year to refine the concept of sustainable competitiveness. Important input has also been provided by numerous structured discussions with multi-stakeholder experts on the topic at the Forum's regional and annual events, as well as through a specific workshop with experts focused on social sustainability indicators.

We came to recognize through these consultations that a key limitation of the beta version of the SCI framework was that the GCI components were redistributed within the SCI. This arrangement made it difficult to decipher whether the differences between GCI and SCI scores were the result of the reorganization, which led to changes in weightings, or the result of the additional sustainability measures.

Based on this experience, the decision was taken to "unbundle" the sustainability factors in order to isolate their relationship with competitiveness more clearly. Rather than calculating a separate index, the GCI is now at the heart of the analysis. The impact of the social and environmental sustainability pillars are added to create a measure of sustainable competitiveness.

With the GCI as its core, as captured visually in Figure 1, two additional pillars have been constructed to capture this concept. One captures environmental sustainability and the other captures social sustainability. This approach builds on the work presented last year, but makes the results much more transparent and easy to interpret.

Our definition of *sustainable competitiveness* has also evolved somewhat over the past year. In the beta version of the work, a "competitiveness vulnerability" approach was put forward, assuming that sustainability indicators mattered more over the longer run. However, recognizing that sustainability and competitiveness are both medium- to long-term concepts, we have moved to the broader idea of sustainable competitiveness that is related to notions such as sustainable prosperity and quality growth, as described in the text of this chapter.

Defining the functional relationship between competitiveness and sustainability and identifying and measuring the pillars and variables that are driving environmental and social sustainability are not easy tasks. There is not yet sufficient evidence to suggest any type of functional relationship among them; we therefore opt for the simple approach of defining a linear relationship among the three dimensions. As a result, the final overall sustainability-adjusted Global

Figure 2: Summary of indicators for environmental sustainability

| Environmental policy | Use of renewable resources | Degradation of the environment |
|---|--|---|
| <ul style="list-style-type: none"> • Environmental regulations (stringency and enforcement) • Number of ratified international environmental treaties • Terrestrial biome protection | <ul style="list-style-type: none"> • Agricultural water intensity • Forest depletion (change in forest cover and forest loss) • Fish stocks' overexploitation | <ul style="list-style-type: none"> • Level of particulate matter concentration • CO₂ intensity • Quality of the natural environment |

Competitiveness Index is an average of the two sustainability-adjusted indexes: the social sustainability-adjusted GCI and the environmental sustainability-adjusted GCI (Box 2).

With regard to the pillars and variables that define environmental and social sustainability, we follow the logic and definitions that we covered in the previous section.

Environmental sustainability pillar

To develop the **environmental sustainability** pillar, the Forum has worked closely with experts at Yale's Center for Environmental Law and Policy (YCELP) and with the Center for International Earth Science Information Network (CIESIN) at Columbia University's Earth Institute to define the best existing indicators to use in this area and to understand the shortcomings of these data. The measures captured here and presented in the environmental sustainability pillar are meant to complement the broader analysis carried out through the Environmental Performance Index (EPI) produced by these two organizations, which provides a much more comprehensive indication of national performance on a variety of environmental indicators.

In this pillar, indicators have been aggregated into different categories (see Figure 2) aimed at covering the most relevant aspects for environmental sustainability.

The first area measured in the environmental sustainability pillar is *environmental policy*, which is composed of a gauge of the stringency and enforcement of environmental regulation along with the extent to which land areas are protected, providing an assessment of a country's commitment to protecting natural capital. Another measure of policy is provided by the terrestrial biome protection indicator, which assesses whether at least 17 percent land area of each habitat type is under official protection. We also include a measure of the number of key international environmental treaties, out of a total of 25 ratified by individual countries. This variable demonstrates the country's level of engagement with environmental issues and thus its willingness to become involved in international efforts toward addressing global environmental challenges. Together these variables capture to some extent the political will of countries to respond to environmental issues in a structured and

consistent way and indicate their importance in the government agenda.

The second area relates to the *use of renewable resources*. These indicators comprise measures of water withdrawal intensity of agriculture in an economy, which considers the extent to which the agriculture sector is efficient in its use of water; forest depletion, which takes into account reported and satellite information to assess the percentage of total land area that is deforested (or afforested) over time; and the exploitation of fishing grounds. A diminishing regenerating capacity is one of the major environmental issues for which a simple solution is not easily identified. Although the data in this area are among the most difficult to collect and interpret, it is crucial for a country to manage these resources in order to ensure that they do not run out of them before future generations can enjoy them.

The third area takes into consideration the *degradation of the environment*, which can cause serious damage to human health while destroying the ecosystem. The specific indicators used to measure this concept are the level of particulate matter concentration, the quality of the natural environment, and CO₂ intensity. Particulate matter concentration is a proxy for air pollution, which has proven effects on human health and is monitored by local authorities in many countries. The quality of the natural environment is a perception-based assessment of the local status of the environment that measures the observation of local business leaders on the ground. CO₂ intensity is a measure of the efficiency of energy use in relation to the emissions it produces. It is important to note that, although CO₂ intensity also provides a sense of national contributions to climate change, at present, the decision was taken to not include climate change as a specific factor in this pillar. This is because there is currently no agreement on how to allocate emissions to particular countries. For example, in a world of globalized markets, should emissions be allocated to the country producing the goods that created the emissions, or to the consuming country? Also it is not yet clear what impact countries' contributions to climate change would have on national competitiveness, particularly in the absence of an international agreement that would impose costs on large emitters.

Figure 3: Summary of indicators for social sustainability

| Access to basic necessities | Vulnerability to shocks | Social cohesion |
|---|---|--|
| <ul style="list-style-type: none"> • Access to sanitation • Access to improved drinking water • Access to healthcare | <ul style="list-style-type: none"> • Vulnerable employment • Extent of informal economy • Social safety net protection | <ul style="list-style-type: none"> • Income Gini index • Social mobility • Youth unemployment |

Social sustainability pillar

For **social sustainability**, the Forum identifies three conceptual elements (Figure 3). The first category aims to assess a *population's access to basic necessities* (lack of access to basic necessities indicates a state of poverty). It includes three indicators: access to sanitation, access to improved drinking water, and access to healthcare services. This category is thus a measure of inclusion as well as a measure of the fulfillment of basic physical needs. Other indicators that might be considered relevant and we would have liked to incorporate but could not because of the lack of data include access to decent housing and food security. A population with poor access to water, food, shelter, healthcare, and sanitation cannot develop to its full capacity.

The second category is linked to the concept of perceived economic security. Hence it aims to evaluate a *population's vulnerability to economic exclusion*. Three indicators have been chosen for this evaluation: vulnerable employment as a percentage of total employment, the extent of informal economy, and social safety net protection. The vulnerable employment indicator measures the percentage of people who are self-employed in a small business or are in a small family business that may provide income levels insufficient to meet the living standards of the country of citizenship and can prove unstable in times of economic difficulties. The extent of the informal economy provides a sense of how well integrated the workforce is into official structures. A workforce that is less integrated leaves workers more vulnerable to concerns related to job loss, old age, maternity, disability, or illness. Third, the social safety net is a complementary measure of protection: in times of financial and economic instability, it allows households to maintain their quality of life and weather crises without falling into poverty traps. Providing protection also leads to a sense of financial security that enables individuals to undertake investments and entrepreneurial risk, feeding back into economic activity.

The third and last category assesses *social cohesion*. The assessment includes three indicators: the income Gini index, social mobility, and youth unemployment. We include the income Gini index as a measure of income inequality (see Box 3), but

keeping in mind that—from a normative approach—excessive inequality may hide relative poverty that would prevent lower-income families from accessing the same opportunities as those with incomes at the high end of the range in the society. Linked to this idea, in this edition of the *Report* we introduce a (Survey-based) indicator on social mobility: in the context of sustainable competitiveness, it is crucial that subsequent generations can improve their condition regardless of the socioeconomic status of their parents. From a purely economic perspective, the absence of such social mobility can be detrimental to human capital development because skilled individuals, in a society that does not allow them to advance, might choose to migrate; if they stay, their skills will not be leveraged by the economy in which they live. Additionally, low expectations for the future in a context characterized by unemployment and inequality can also converge to spark political instability. Third, on a broader conceptual level, social mobility is a direct measure of the freedom to pursue human development. Finally, high youth unemployment can reduce social cohesion and provoke significant economic and social costs, depressing lifetime earnings for unemployed workers, taking a toll on their health and putting at risk the health and educational success of the children of unemployed parents. From an economic standpoint, high youth unemployment reflects a failure to mobilize existing resources and build productive skills, and it suppresses aggregate demand, eroding business confidence and therefore the prospects for investment and employment creation.

While the variables we have described capture a number of important aspects of social sustainability, it is important to note that additional variables would be needed to obtain a more complete measure of the concept. These indicators include measurements of social participation and respect for core human rights, as well as discrimination and the treatment of minority populations. However, as noted in Box 4, because of the lack of quality indicators in these and other areas we are unable to include them for the time being.

Box 3: The income Gini index

The income Gini index measures the extent to which the distribution of income among individuals or households within an economy deviates from a perfectly equal distribution. Theoretically, it measures inequality within a range of 0 to 100, where a value of 0 represents perfect equality (everyone has the same income) and a value of 100 perfect inequality (for example, one person or household could earn all the income). It is the most popular indicator of inequality because it provides an intuitive interpretation in a context in which most other similar indicators are difficult to present to a broad non-technical audience. Consequently it is calculated by leading institutions (such as the World Bank), which makes it the most easily available indicator for a large number of countries. Its wide coverage also contributes to its widespread use.

However, there are a number of elements that policymakers and researchers should take into consideration when using this measure. From a technical point of view, the Gini index measures relative income distributions regardless of actual income. This means that, hypothetically, even in case of low inequality, a large part of the population would still hardly be able to cover basic necessities. Second, different income distributions can yield the same Gini index. Consequently, when considering different groups within the same population, it is not possible to break down the inequality either in a *within* group component or *between* groups component.

From a policy point of view, this means that the Gini index does not allow the inequality of one particular population group to be measured. It also does not assess the extent to which those with high incomes have contributed to the growth of the entire economy. Seen from a different angle,

although the Gini index helps to measure equality/inequality within a society, it does not indicate what the normative or desirable level of inequality should be. For example, although there may be a societal consensus that innovative and highly skilled members who contribute disproportionately more to economic growth should receive a higher share of income than those who contribute less (so as to provide the right incentives to contribute overall), it is unclear how much the high contributors should receive—that is, to what extent differences in skills should be reflected by higher shares of national income. One way to gain some preliminary insights about optimal values is to combine a statistical approach by assessing cross-country distribution performances with qualitative indicators of the economy.

Practically, this unresolved issue has important consequences when assigning a score to and comparing economies. For example, although the Gini index measures inequality in the theoretical span of 0 to 100, the actual distribution in our sample ranges from approximately 24 to 64. This suggests that a value of 100 is practically not feasible; in other words, empirically a score of 60 already suggests strong inequality compared with the theoretical value of 100. However, values close to 0 are also not observed and probably not optimal.

To conclude, in the absence of better measures, we use the Gini index as the best available proxy for income distribution, yet some caution should be used in the process of drawing conclusions based on this indicator alone. Qualitative data and other information should complement this measure.

MEASURING SUSTAINABLE COMPETITIVENESS: METHODOLOGY

In the 2012 edition of the sustainable competitiveness framework, the two areas of sustainability—social and environmental—are treated as independent adjustments to each country's performance in the Global Competitiveness Index (GCI). The details behind the aggregation are described in Appendix A; Appendix B provides detailed notes and sources for each indicator.

The aggregation leads to three outcomes: an environmental sustainability-adjusted GCI, a social sustainability-adjusted GCI, and an overall sustainability-adjusted GCI that combines both effects.

Lacking clear theoretical guidelines for assigning weights to the individual elements, each indicator has been given an equal weight within each pillar. As described in detail in Appendix A, each pillar is converted into an "adjustment coefficient" with a range from 0.8 to 1.2, which is then used to adjust the GCI score upward or downward within this range. This results in an adjusted score of a maximum of 20 percent lower or 20 percent higher than the underlying GCI score.

It is important to highlight that, because several aspects of sustainability are assessed in the social and

environmental sustainability pillars, the results reflect the overall performance of all the aspects rather than one particular element. In a sense, this means that poor performance in some aspects can be compensated for by strengths in other areas.

This can produce some potentially counterintuitive results—for instance, Brazil gets a positive rating for environmentally sustainable competitiveness because it receives strong assessments on a number of indicators, although it has one of the highest rates of deforestation in the world.

Country coverage

Instead of the 144 economies covered by the GCI, in this analysis we cover a subsample of 79 countries for which we have been able to gather sufficient data.¹⁶ Data availability represents a major challenge and constraint in this exercise because, for many of the concepts we are trying to capture, no measures exist or data are available for only a limited number of countries (such as those in the OECD, the G-20, and the European Union). The goal for future research is to include an increasing number of countries in the analysis as such data become more readily available.

Box 4: Concepts not yet captured by the sustainable competitiveness analysis and areas for future research

There are a number of areas that we recognize as critical for sustainable competitiveness but that have not yet been included in our analysis because of a lack of relevant data. Our goal is to include and update these elements and more accurate indicators as relevant and improved data become available in coming years.

- *Inclusion of minorities.* There is some evidence that excluding minorities can cause political instability, but no data are available to assess the actual level of cohesion of different ethnic groups in a country.
- *Working conditions.* In the context of social sustainability it is desirable, to meet a certain level of safety conditions and to ensure that salaries are sufficient to enable full participation in the country's prosperity. Although the International Labour Organization has published statistics on the quality of working conditions, the data available cover only a limited number of economies. Until such data are available for a wide range of countries, they cannot be considered for a global assessment.
- *Water pollution.* Water is one of the most critical resources for human life as well as for economic activity. The availability of clean water determines the health of the population and indirectly affects migration patterns. Managing water efficiently comprises minimizing the water use as well as keeping the water tables fully usable. Unfortunately data on water quality are scarce.
- *Recycling.* Being able to re-use material is critical to keep producing new goods without depleting the mineral and natural resources available. A measure of how much of the material incorporated in consumer goods is actually re-used would constitute a good benchmark for countries' exposure to resource scarcity.
- *Waste management.* Directly linked to recycling, managing waste is essential for establishing a culture of recycling as well as to avoid the careless disposal of dangerous materials that have impacts on the health of the population. Unfortunately data that can measure the management of waste are not yet available.

Table 1 shows how the Global Competitiveness Index score is affected once sustainability indicators are taken into account.

SELECTED RESULTS OF THE SUSTAINABILITY-ADJUSTED GCI

Based on the initial results presented above, a number of general preliminary conclusions can be drawn:

1. There are no necessary trade-offs between being competitive and being sustainable. The analysis found a positive correlation across the three dimensions of competitiveness and social and environmental sustainability.
2. A corollary of the first point is the fact that political will is essential to achieving sustainable competitiveness. There is no physical law preventing any country from being on a sustainable path; political will and good public management are the keys to achieving this goal. This understanding is also reflected in some theoretical literature.¹⁷
3. Europe is overall the most "equal" region in terms of income. The European social model places 18 countries in the top 20 for the lowest income Gini index indicator. However, on a broader scale, the social sustainability of Europe shows a divide similar to that of its internal competitiveness, with

the Southern European economies diverging from the Northern economies.

In addition, a number of country-specific and regional conclusions can be drawn.

Switzerland leads the rankings of the sustainability-adjusted GCI, performing well in all aspects of sustainable competitiveness and demonstrating that there are not necessarily trade-offs between being environmentally or socially sustainable and being competitive.

Similarly, **Nordic countries** perform well in both dimensions, with **Finland** leading the group with the highest score in both areas. All of these countries do exceptionally well in the social sustainability-adjusted GCI (Norway, Denmark, Finland, and Iceland all score among the top 10 economies). **Sweden**, however, registers a relatively high youth unemployment rate (25.2 percent), which determines its slightly weaker performance. **Norway** stands out especially for attaining the best score in the income Gini index while performing well—within the top 10—across all the social sustainability indicators. The Nordics also have good results in the environmental sustainability-adjusted GCI, although they share the common concern of overfishing.

Japan receives an overall relatively positive assessment in the sustainable competitiveness analysis. On the social sustainability pillar, Japan performs better thanks to a low rate of youth unemployment (perhaps not surprising given the aging population) and a small informal economy; however, it also carries a relatively

Table 1: Adjustment to the GCI scores by sustainability indicators

| Country/Economy | GCI 2012–2013 | | Social sustainability-adjusted GCI** | | Environmental sustainability-adjusted GCI† | | Sustainability-adjusted GCI†† | |
|-----------------|---------------|-------|--------------------------------------|-----------|--|-----------|-------------------------------|-----------|
| | Rank* | Score | Score | Direction | Score | Direction | Score | Direction |
| Switzerland | 1 | 5.72 | 6.83 | ↑ | 6.87 | ↑ | 6.85 | ↑ |
| Finland | 3 | 5.55 | 6.45 | ↑ | 6.26 | ↗ | 6.36 | ↗ |
| Sweden | 4 | 5.53 | 6.17 | ↗ | 6.15 | ↗ | 6.16 | ↗ |
| Netherlands | 5 | 5.50 | 6.54 | ↑ | 5.88 | ↗ | 6.21 | ↗ |
| Germany | 6 | 5.48 | 6.37 | ↑ | 5.92 | ↗ | 6.14 | ↗ |
| United States | 7 | 5.47 | 5.63 | ⇒ | 5.00 | ↘ | 5.31 | ⇒ |
| United Kingdom | 8 | 5.45 | 6.03 | ↗ | 5.62 | ⇒ | 5.82 | ↗ |
| Japan | 10 | 5.40 | 6.10 | ↗ | 5.42 | ⇒ | 5.76 | ↗ |
| Denmark | 12 | 5.29 | 6.21 | ↑ | 5.25 | ⇒ | 5.73 | ↗ |
| Canada | 14 | 5.27 | 5.93 | ↗ | 5.33 | ⇒ | 5.63 | ↗ |
| Norway | 15 | 5.27 | 6.32 | ↑ | 5.98 | ↗ | 6.15 | ↑ |
| Austria | 16 | 5.22 | 6.17 | ↑ | 5.86 | ↗ | 6.02 | ↑ |
| Belgium | 17 | 5.21 | 5.90 | ↗ | 5.46 | ⇒ | 5.68 | ↗ |
| Korea, Rep. | 19 | 5.12 | 5.37 | ⇒ | 4.41 | ↘ | 4.89 | ⇒ |
| Australia | 20 | 5.12 | 5.83 | ↗ | 5.08 | ⇒ | 5.46 | ↗ |
| France | 21 | 5.11 | 5.59 | ↗ | 5.40 | ↗ | 5.50 | ↗ |
| New Zealand | 23 | 5.09 | 5.82 | ↗ | 5.53 | ↗ | 5.68 | ↗ |
| Malaysia | 25 | 5.06 | 5.30 | ⇒ | 4.98 | ⇒ | 5.14 | ⇒ |
| Israel | 26 | 5.02 | 5.40 | ↗ | 4.72 | ↘ | 5.06 | ⇒ |
| Ireland | 27 | 4.91 | 5.26 | ↗ | 5.11 | ⇒ | 5.18 | ↗ |
| China | 29 | 4.83 | 4.61 | ⇒ | 4.27 | ↘ | 4.44 | ↘ |
| Iceland | 30 | 4.74 | 5.45 | ↑ | 5.43 | ↑ | 5.44 | ↗ |
| Chile | 33 | 4.65 | 4.53 | ⇒ | 4.43 | ⇒ | 4.48 | ⇒ |
| Estonia | 34 | 4.64 | 4.82 | ⇒ | 4.85 | ⇒ | 4.83 | ⇒ |
| Spain | 36 | 4.60 | 4.66 | ⇒ | 4.45 | ⇒ | 4.55 | ⇒ |
| Thailand | 38 | 4.52 | 4.39 | ⇒ | 4.16 | ↘ | 4.28 | ↘ |
| Czech Republic | 39 | 4.51 | 4.89 | ↗ | 4.66 | ⇒ | 4.77 | ↗ |
| Panama | 40 | 4.49 | 4.15 | ↘ | 4.71 | ⇒ | 4.43 | ⇒ |
| Poland | 41 | 4.46 | 4.32 | ⇒ | 4.42 | ⇒ | 4.37 | ⇒ |
| Italy | 42 | 4.46 | 4.38 | ⇒ | 4.40 | ⇒ | 4.39 | ⇒ |
| Turkey | 43 | 4.45 | 4.24 | ⇒ | 3.84 | ↘ | 4.04 | ↘ |
| Lithuania | 45 | 4.41 | 4.52 | ⇒ | 4.71 | ↗ | 4.61 | ⇒ |
| Azerbaijan | 46 | 4.41 | 4.08 | ↘ | 3.78 | ↘ | 3.93 | ↘ |
| Brazil | 48 | 4.40 | 4.22 | ⇒ | 4.69 | ↗ | 4.46 | ⇒ |
| Portugal | 49 | 4.40 | 4.58 | ⇒ | 4.15 | ↘ | 4.36 | ⇒ |
| Indonesia | 50 | 4.40 | 3.85 | ↘ | 4.21 | ⇒ | 4.03 | ↘ |
| Kazakhstan | 51 | 4.38 | 4.53 | ⇒ | 3.50 | ↓ | 4.02 | ↘ |
| South Africa | 52 | 4.37 | 3.83 | ↘ | 3.77 | ↘ | 3.80 | ↘ |
| Mexico | 53 | 4.36 | 4.12 | ↘ | 3.90 | ↘ | 4.01 | ↘ |
| Mauritius | 54 | 4.35 | 4.40 | ⇒ | 3.66 | ↓ | 4.03 | ↘ |

(Cont'd.)

Table 1: Adjustment to the GCI scores by sustainability indicators (cont'd.)

| Country/Economy | GCI 2012–2013 | | Social sustainability-adjusted GCI** | | Environmental sustainability-adjusted GCI† | | Sustainability-adjusted GCI†† | |
|---------------------|---------------|-------|--------------------------------------|-----------|--|-----------|-------------------------------|-----------|
| | Rank* | Score | Score | Direction | Score | Direction | Score | Direction |
| Latvia | 55 | 4.35 | 4.55 | ⇒ | 4.69 | ↗ | 4.62 | ↗ |
| Slovenia | 56 | 4.34 | 4.76 | ↗ | 4.56 | ⇒ | 4.66 | ↗ |
| Costa Rica | 57 | 4.34 | 4.30 | ⇒ | 4.69 | ↗ | 4.49 | ⇒ |
| Cyprus | 58 | 4.32 | 4.63 | ↗ | 4.05 | ↘ | 4.34 | ⇒ |
| India | 59 | 4.32 | 3.70 | ↘ | 3.75 | ↘ | 3.73 | ↘ |
| Hungary | 60 | 4.30 | 4.29 | ⇒ | 4.32 | ⇒ | 4.30 | ⇒ |
| Peru | 61 | 4.28 | 3.73 | ↘ | 4.03 | ↘ | 3.88 | ↘ |
| Bulgaria | 62 | 4.27 | 4.17 | ⇒ | 3.97 | ↘ | 4.07 | ⇒ |
| Jordan | 64 | 4.23 | 4.25 | ⇒ | 3.58 | ↓ | 3.92 | ↘ |
| Philippines | 65 | 4.23 | 3.82 | ↘ | 4.16 | ⇒ | 3.99 | ↘ |
| Iran, Islamic rep. | 66 | 4.22 | 3.85 | ↘ | 3.85 | ↘ | 3.85 | ↘ |
| Russian Federation | 67 | 4.20 | 4.09 | ⇒ | 3.87 | ↘ | 3.98 | ↘ |
| Sri Lanka | 68 | 4.19 | 3.67 | ↘ | 4.25 | ⇒ | 3.96 | ↘ |
| Colombia | 69 | 4.18 | 3.47 | ↓ | 4.01 | ⇒ | 3.74 | ↘ |
| Morocco | 70 | 4.15 | 3.55 | ↘ | 3.52 | ↓ | 3.53 | ↘ |
| Slovak Republic | 71 | 4.14 | 4.18 | ⇒ | 4.36 | ⇒ | 4.27 | ⇒ |
| Ukraine | 73 | 4.14 | 4.04 | ⇒ | 3.53 | ↓ | 3.78 | ↘ |
| Uruguay | 74 | 4.13 | 4.21 | ⇒ | 4.09 | ⇒ | 4.15 | ⇒ |
| Romania | 78 | 4.07 | 3.71 | ↘ | 3.73 | ↘ | 3.72 | ↘ |
| Macedonia, FYR | 80 | 4.04 | 3.66 | ↘ | 3.64 | ↘ | 3.65 | ↘ |
| Croatia | 81 | 4.04 | 3.84 | ⇒ | 4.20 | ⇒ | 4.02 | ⇒ |
| Armenia | 82 | 4.02 | 3.58 | ↘ | 3.50 | ↘ | 3.54 | ↘ |
| Trinidad and Tobago | 84 | 4.01 | 4.00 | ⇒ | 3.67 | ↘ | 3.83 | ⇒ |
| Cambodia | 85 | 4.01 | 3.31 | ↓ | 3.93 | ⇒ | 3.62 | ↘ |
| Ecuador | 86 | 3.94 | 3.58 | ↘ | 3.67 | ↘ | 3.63 | ↘ |
| Moldova | 87 | 3.94 | 3.75 | ⇒ | 3.75 | ⇒ | 3.75 | ⇒ |
| Namibia | 92 | 3.88 | 3.22 | ↓ | 3.84 | ⇒ | 3.53 | ↘ |
| Argentina | 94 | 3.87 | 3.59 | ↘ | 3.37 | ↘ | 3.48 | ↘ |
| Serbia | 95 | 3.87 | 3.48 | ↘ | 3.71 | ⇒ | 3.59 | ↘ |
| Greece | 96 | 3.86 | 3.59 | ↘ | 3.82 | ⇒ | 3.71 | ⇒ |
| Jamaica | 97 | 3.84 | 3.28 | ↘ | 3.74 | ⇒ | 3.51 | ↘ |
| Dominican Republic | 105 | 3.77 | 3.29 | ↘ | 3.29 | ↘ | 3.29 | ↘ |
| Kenya | 106 | 3.75 | 3.01 | ↓ | 3.76 | ⇒ | 3.38 | ↘ |
| Egypt | 107 | 3.73 | 3.56 | ⇒ | 3.20 | ↘ | 3.38 | ↘ |
| Algeria | 110 | 3.72 | 3.31 | ↘ | 3.01 | ↓ | 3.16 | ↓ |
| Paraguay | 116 | 3.67 | 3.00 | ↓ | 3.61 | ⇒ | 3.31 | ↘ |
| Tanzania | 120 | 3.60 | 2.88 | ↓ | 3.60 | ⇒ | 3.24 | ↘ |
| Pakistan | 124 | 3.52 | 2.84 | ↓ | 2.96 | ↓ | 2.90 | ↓ |
| Venezuela | 126 | 3.46 | 3.15 | ↘ | 3.41 | ⇒ | 3.28 | ↘ |

* This is the GCI rank, as presented in Chapter 1.1. Only the 79 countries covered by this exercise are included in the table.

** This is the score obtained by multiplying the GCI score by the social sustainability coefficient.

† This is the score obtained by multiplying the GCI score by the environmental sustainability coefficient.

†† This is the average of social sustainability-adjusted GCI and environmental sustainability-adjusted GCI scores.

Please refer to the technical appendix of this chapter for a description of how the coefficients are calculated. All the underlying indicators are available at <http://www.weforum.org/content/pages/sustainable-competitiveness>.

Key

- ↑ GCI score changes by > +15% to +20%
- ↗ GCI score changes by +5% to +15%
- ⇒ GCI score remains stable between +5% and -5%
- ↘ GCI score changes by -5% to -15%
- ↓ GCI score changes by < -15% to -20%

high inequality score of 39.5. On the environmental side, Japan attains a more mixed performance, doing well in terms of environmental policies (good commitment on regulation and standards), yet it continues to face high emissions.

The **United States** shows middling results in both social and environmental sustainability, which results in a slightly lower score in the sustainability-adjusted GCI than in the GCI itself. The country's social sustainability score is affected by increasing inequality and youth unemployment. However, it is the score in the environmental sustainability-adjusted GCI that is a concern for the country's sustainable prosperity. For example, the United States is among the countries that have ratified the fewest environmental treaties in the sample.

Mexico is an economy with somewhat weak sustainable competitiveness in both dimensions. On the social side, Mexico's performance is affected by high inequality and a large informal economy. Environmentally, Mexico is penalized for its high and increasing levels of emissions, relatively intense use of water for agriculture, and a perception that the natural environment is highly degraded.

Several other **Latin American** countries see a number of weaknesses in both pillars, with Argentina and the Dominican Republic encountering more concerns on the environmental side and Peru, Colombia, and Paraguay with more concerns in the social sustainability area.

Costa Rica, on the other hand, stands out for its positive environmental performance. Attaining a better result in the environmental sustainability-adjusted GCI than in the underlying GCI, the country could be a reference for the rest of Latin America. First of all, Costa Rica has low air pollution with levels of particulate matter (PM_{2.5}) and CO₂ among the lowest of the countries studied. The country is actively avoiding deforestation through one of the world's most extensive programs of rainforest conservation. One area of concern remains overfishing, which would be important to address given the importance of the fishing industry in the country.

Brazil performs slightly better in the overall environmental sustainability-adjusted GCI than in the social sustainability-adjusted GCI. However, Brazil's overall relatively good performance masks a number of environmental concerns—such as the deforestation of the Amazon—with the country displaying one of the highest rates of deforestation in the world. And although Brazil demonstrates an overall reasonable performance in the social sustainability area, the country's very high inequality remains an area of concern.

In general, outside of Brazil, the other three **BRICs** (Russia, India, and China) all reveal significant weaknesses in both dimensions of sustainable competitiveness.

The **Russian Federation** does particularly poorly in terms of environmental sustainability, with some of the poorest ratings globally for three indicators: the strength of environmental regulations, the number of international environmental treaties ratified by the country, and the quality of the natural environment.

India is the worst performer among the BRICs, with concerns in both areas of sustainability. On the social sustainability-adjusted GCI, India is not providing access to some basic services to many of its citizens (only 34 percent of the population has access to sanitation, for example). The employment of much of the population is also vulnerable, which—combined with weak official social safety nets—makes the country vulnerable to economic shocks. In addition, although no official data are reported for youth unemployment, numerous studies indicate that the percentage is very high. In terms of its environmentally sustainable competitiveness, India also has some areas of concern such as its high agricultural water intensity and significant air pollution.

China's competitiveness performance is notably weakened once the sustainability measures are taken into account, especially in terms of environmental sustainability. Although some political actions toward environmental improvement (such as afforestation) have been taken, the country continues to suffer from high emission levels (high levels of CO₂ and particulate matter) and the agricultural sector places a great deal of pressure on the environment (China's water intensity is very high). Social sustainability is only partially measured for China, as the country does not report data related to youth unemployment or vulnerable employment. However, the available indicators show a somewhat negative picture, with rising inequality and general access to basic services such as improved sanitation remaining low.

Among other economies analyzed in this section, **Turkey**—one of the countries that improved most in the GCI rankings this year—does not sustain its good performance once sustainability matters are taken into account. High inequality, vulnerable employment, and a large informal sector place pressure on the country's social sustainability. Similarly, high pollution and intensive water use for agriculture, as well as a lack of protected land area and a low commitment to international environmental agreements remain areas of concern for Turkey's environmentally sustainable competitiveness.

In contrast, **New Zealand**, with its strongly articulated political commitment to environmental stewardship, receives a positive assessment for its environmentally sustainable competitiveness. It also performs better than neighboring **Australia**. The main differences between the two countries lie in the lower level of air pollution in New Zealand and the country's efforts to set aside protected land areas. Both countries receive strong assessments for their social sustainability.

Box 5: Plea for better sustainability data

Data availability and quality are critical issues for both research and policymaking, and all projects concerned with assessing environmental or social conditions are limited by one or both of these concerns. These limitations make it difficult to track developments over time or to compare data across countries.

For example, datasets capturing some of the relevant areas of social sustainability—such as the International Labour Organization (ILO)'s Decent Work initiative (covering indicators such as injuries at work, excessive hours, and numbers of the working poor)—cover a limited number of countries. And some other indicators are not specific enough. For instance, including the indicator “CO₂ emissions to energy use” in the sustainability-adjusted GCI may give an idea of how efficiently economies are using fuels with respect to the associated emissions, but it also incorporates other factors (such as the industrial structure, the economic specialization, and the technology used in the country) that make it hard to isolate single elements and compare countries.

The available data concerned with the quality and use of water comprise another prominent example of data inadequacy. Although water has possibly one of the biggest environmental impacts on human life, researchers lack a globally agreed methodology for defining and measuring water scarcity and pollution, while data on water withdrawal—despite great efforts to maintain the Food and Agriculture Organization (FAO) Aquastat database—are not updated regularly. It is, however, precisely the timeliness of data updates for many of these indicators that is critical for policymakers. For some indicators it is indeed crucial. Youth unemployment, for instance, is changing relatively quickly in many economies, especially after an economic crisis. Yet several datasets on youth unemployment predate the crisis for some specific countries; using out-of-date figures could be

misleading for policymakers, who need to have statistics that accurately reflect the actual current situation in order to gain a sense of the effectiveness of their reform efforts.

Data on social and environmental performances are particularly complex and intricate, and the challenges and the investments needed to produce sound indicators should not be underestimated. For instance, coming back to the point of the assessment of water pollution, it would be necessary to identify and agree on the list of substances and their relative levels that would define a water course as “polluted.” Moreover, developing an aggregation methodology to turn local measurement into national statistics would be an important milestone. Such a methodology would help in understanding and monitoring issues that need to be managed to put economies on a more sustainable development path, and would provide statistical evidence to drive the agendas of policymakers.

In order to contribute to such data production and collection, the World Economic Forum has formed a Global Agenda Council on Measuring Sustainability. The Council aims to design and nurture one or more global public good initiatives to meet the needs of policymakers who must have access to high-quality, verifiable, and readily available contextually specific knowledge and information if they are to formulate responsible policies. Nonetheless, a wider international effort is required to overcome the challenge of measuring sustainability. This challenge can be met by pooling resources to produce and collect the data and by defining global measurement standards. The Global Agenda Council on Measuring Sustainability aims to participate in this effort by bringing scientists together while focusing the attention of policymakers on the need to develop new sustainability indicators.

CONCLUSIONS AND NEXT STEPS

Sustainable competitiveness is a nascent area of research and our initial work has shown that much of the data for measuring key concepts are not yet available. We therefore recognize that properly capturing the concept of sustainable competitiveness will require a multi-year effort. As more comprehensive and better data are needed to fully assess sustainable competitiveness, as noted above, there are a number of concepts we have not yet been able to capture (see Boxes 4 and 5).

However, by combining social and environmental indicators with the GCI we have been able to introduce the concept and carry out a preliminary analysis of national and regional social sustainability.

The main and very important finding is that there is no necessary trade-off between being competitive and being sustainable (by our definitions). On the contrary, many countries at the top of the competitiveness rankings are also the best performers in many areas of sustainability.

While creating value and being productive remain at the basis of economic development, the purpose of this work is to explore how social and environmental elements relate to economic progress and prosperity because the three areas are clearly interlinked. It is highly likely that sustained human progress and prosperity will depend on balancing economic progress with social inclusion and good and effective environmental stewardship.

The work presented in this chapter is the result of an ongoing process. We will update and refine our thinking over time, integrating feedback and the latest research on an ongoing basis. As we have already done over the past year, we will continue to carry out workshops and roundtables over the coming year in order to further refine the concept. We will also continue to seek better and more complete datasets in collaboration with the newly created World Economic Forum Global Agenda Council on Measuring Sustainability.

The Advisory Board on Sustainability and Competitiveness will continue to deliberate and to work with the Forum to integrate feedback collected into this

work. The goal is to present an even more complete measurement of the concept in time for the next *Global Competitiveness Report*.

Additionally, because—given its specific economic and political characteristics—the theme of sustainability requires a multi-stakeholder approach, the World Economic Forum will continue to serve the international community by providing a neutral platform on which to move ahead in this area. Work on sustainable competitiveness is one important component of this platform, and the Forum offers a space for conceptual discussion as well as assessment and analysis.

NOTES

- 1 See, for example, Atkinson 2003.
- 2 See, for example, Nordhaus 1994, 2000, 2002; Bovenberg and Smulders 1996; Aghion et al. 1998; and Acemoglu 2002, 2007, 2009.
- 3 See, for example, Perotti 1993; Bertola 1993; Alesina and Rodrik 1994; Persson and Tabellini 1994; and Green et al. 2006.
- 4 See the World Economic Forum 2012a for an assessment of how Europe is faring in meeting these goals.
- 5 For more information on this index, see www.oecdbetterlifeindex.org/.
- 6 See <http://hdr.undp.org/en/>.
- 7 For more information on the EPI, see <http://www.epi.yale.edu/>.
- 8 See <http://www.footprintnetwork.org/en/index.php/GFN/page/methodology/> for information about information about the Global Footprint Network.
- 9 Information about the Global Adaptation Index is available at <http://index.gain.org/>.
- 10 The World Bank's *Worldwide Governance Indicators Framework* is available at <http://info.worldbank.org/governance/wgi/index.asp>.
- 11 Information about the Decent Work initiative is available at <http://www.ilo.org/integration/themes/mdw/lang--en/index.htm>.
- 12 See, for example, Marshal et al. 1997.
- 13 Smith 2012.
- 14 World Economic Forum. 2012b.
- 15 UN-HABITAT 2010.
- 16 Countries from the GCI sample were excluded if they were missing a maximum of two indicators considering both sustainability pillars.
- 17 See Acemoglu et al. 2012, for example.

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Appendix A: Calculation of the sustainability-adjusted GCI

As described in the text, the two areas of sustainability—social and environmental—are treated as independent adjustments to each country’s performance in the Global Competitiveness Index (GCI). The adjustment is calculated according to the following steps.

AGGREGATION

In the first step, the individual indicators in each area are normalized on a 1-to-7 scale and aggregated by averaging the normalized scores, such that a social sustainability score and an environmental sustainability score are calculated for each country.

In the second step, these scores are normalized again on a 0.8-to-1.2 scale,^a which is based on the distribution of each of the two sustainability components. The purpose of this methodology is to reward the countries attaining a relatively good performance on the two sustainability components while penalizing those that register a poor performance. Applying this methodology corresponds to transforming actual averages into coefficients ranging from 0.8 to 1.2. For example, the worst performer on the social sustainability pillar obtains a score of 0.8 and the best performer a 1.2. The same calculation is conducted for the environmental sustainability pillar.

Normalizing on a 0.8-to-1.2 scale and using the actual sample maximum and minimum are corroborated by the statistical distribution of the data, so as to ensure that the final data are not skewed. In the absence of empirical evidence, the selection of the impact limits (0.8–1.2) relies on the best judgment of the authors and is based on the assumption that countries can experience either an opportunity if they manage their resources well or a weakness if they do not.

The selection of this methodology is not intended to be scientific, but it represents a normative approach aimed at stimulating discussions on policy priorities and possibly stimulating scientific research in this field.

In the third step, the GCI score of each country is multiplied twice: once by its social sustainability coefficient and once by its environmental sustainability coefficient, to obtain two separate sustainability-adjusted GCI scores. Finally, an average of the two scores provides an overall measure of the sustainability adjustment.

STRUCTURE OF THE SUSTAINABILITY PILLARS

The computation of the sustainability components is based on an arithmetic mean aggregation of scores from the indicator level.^b

Variables that are not derived from the Executive Opinion Survey (Survey) are identified by an asterisk (*) in the following pages. To make the aggregation possible, these variables are transformed into a 1-to-7 scale in order to align them with the Survey results. We apply a min-max transformation, which preserves the order of, and the relative distance between, country scores.^c

Indicators marked with a “(log)” subscript are transformed applying the logarithm (base 10) to the raw score.

Social sustainability pillar

| | |
|--------|---|
| S01 | Income Gini index* |
| S02 | Youth unemployment* |
| S03.01 | Access to sanitation* ^d _(log) |
| S03.02 | Access to improved drinking water* ^d |
| S03.03 | Access to healthcare ^d |
| S04 | Social safety net protection |
| S05 | Extent of informal economy |
| S06 | Social mobility |
| S07 | Vulnerable employment* |

Environmental sustainability pillar

| | |
|--------|--|
| S08.01 | Stringency of environmental regulation ^e |
| S08.02 | Enforcement of environmental regulation ^e |
| S09 | Terrestrial biome protection* |
| S10 | No. of ratified international environmental treaties* |
| S11 | Agricultural water intensity* |
| S12 | CO ₂ intensity* _(log) |
| S13 | Fish stocks overexploited* _(log) |
| S14.01 | Forest cover change* ^f |
| S14.02 | Forest loss* ^f _(log) |
| S15 | Particulate matter (2.5) concentration* _(log) |
| S16 | Quality of the natural environment |

NOTES

a Formally we have

$$0.4 \times \left(\frac{\text{country score} - \text{sample minimum}}{\text{sample maximum} - \text{sample minimum}} \right) + 0.8$$

The *sample minimum* and *sample maximum* are, respectively, the lowest and highest country scores in the sample of economies covered by the sustainability-adjusted GCI in each pillar.

b Formally, for a category i composed of K indicators, we have:

$$category_i = \frac{\sum_{k=1}^K indicator_k}{K}$$

c Formally, we have:

$$6 \times \left(\frac{\text{country score} - \text{sample minimum}}{\text{sample maximum} - \text{sample minimum}} \right) + 1$$

The *sample minimum* and *sample maximum* are, respectively, the lowest and highest country scores in the sample of economies covered by the sustainability-adjusted GCI. In some instances, adjustments were made to account for extreme outliers. For those indicators for which a higher value indicates a worse outcome (e.g., CO₂ emission, income Gini index), the transformation formula takes the following form, thus ensuring that 1 and 7 still corresponds to the worst and best possible outcomes, best possible outcomes, respectively:

$$-6 \times \left(\frac{\text{country score} - \text{sample minimum}}{\text{sample maximum} - \text{sample minimum}} \right) + 7$$

d Variables S03.01, S03.02, and S03.03 are combined to form one single variable.

e Variables S08.01 and S08.02 are combined to form one single variable.

f Variables S14.01 and S14.02 are combined to form one single variable.

Appendix B:

Technical notes and sources for sustainability indicators

The data in this *Report* represent the best available estimates from various national authorities, international agencies, and private sources at the time the *Report* was prepared. It is possible that some data will have been revised or updated by the sources after publication. Throughout the *Report*, “n/a” denotes that the value is not available or that the available data are unreasonably outdated or do not come from a reliable source. For each indicator, the title appears on the first line, preceded by its number to allow for quick reference. The numbering is the same as the one used in Appendix A. Below is a description of each indicator or, in the case of Executive Opinion Survey data, the full question and associated answers. If necessary, additional information is provided underneath.

S01 Income Gini index

Measure of income inequality [0 = perfect equality; 100 = perfect inequality] | 2010 or most recent year available

This indicator measures the extent to which the distribution of income among individuals or households within an economy deviates from a perfectly equal distribution. A Lorenz curve plots the cumulative percentage of total income received against the cumulative percentage of recipients, starting with the poorest individual. The Gini index measures the area between the Lorenz curve and a hypothetical line of absolute equality, expressed as a percentage of the maximum area under the line. Thus a Gini index of 0 represents perfect equality, while a value of 100 implies perfect inequality.

Source: The World Bank, *World Development Indicators Online* (retrieved June 1, 2012); CIA World Factbook (retrieved June 6, 2012); national sources

S02 Youth unemployment

Youth unemployment measured as the ratio of total unemployed youth to total labor force aged 15–24 | 2010 or most recent year available.

Youth unemployment refers to the share of the labor force aged 15–24 without work but available for and seeking employment.

Source: International Labour Organization, *Key Indicators of the Labour Markets Net* (retrieved June 5, 2012)

S03.01 Access to sanitation

Percent of total population with access to improved sanitation facilities | 2010 or most recent year available.

Percent of the population with at least adequate access to excreta disposal facilities that can effectively prevent human, animal, and insect contact with excreta. Improved facilities range from simple but protected pit latrines to flush toilets with a sewerage connection. To be effective, facilities must be correctly constructed and properly maintained. A logarithm transformation is applied to the ratio of these statistics in order to spread the data distribution.

Source: World Health Organization, *World Health Statistics 2012* online database (retrieved June 5, 2012)

S03.02 Access to improved drinking water

Percent of total population with access to improved drinking water | 2010 or most recent year available

Percent of the population with reasonable access to an adequate amount of water from an improved source, such as a household connection, public standpipe, borehole, protected well or spring, or rainwater collection. Unimproved sources include vendors, tanker trucks, and unprotected wells and springs. *Reasonable access* is defined as the availability of at least 20 liters per person per day from a source within 1 kilometer of the dwelling.

Source: World Health Organization, *World Health Statistics 2012* online database (retrieved June 5, 2012)

S03.03 Access to healthcare

How accessible is healthcare in your country? [1 = limited—only the privileged have access; 7 = universal—all citizens have access to healthcare] | 2011–12 weighted average

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

S04 Social safety net protection

In your country, does a formal social safety net provide protection from economic insecurity due to job loss or disability? [1 = not at all; 7 = fully] | 2011–12 weighted average

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

S05 Extent of informal economy

How much economic activity in your country would you estimate to be undeclared or unregistered? [1 = most economic activity is undeclared or unregistered; 7 = most economic activity is declared or registered] | 2011–12 weighted average

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

S06 Social mobility

To what extent do individuals in your country have the opportunity to improve their economic situation through their personal efforts regardless of the socioeconomic status of their parents? [1 = little opportunity exists to improve one's economic situation; 7 = significant opportunity exists to improve one's economic situation]

Source: World Economic Forum, Executive Opinion Survey, 2012 edition

S07 Vulnerable employment**Proportion of own-account and contributing family workers in total employment | 2010 or most recent year available**

Vulnerable employment refers to the proportion of unpaid contributing family workers and own-account workers in total employment. *Own-account workers* are those workers who, working on their own account or with one or more partners, hold the type of job defined as a self-employed job and have not engaged on a continuous basis any employees to work for them during the reference period. A *contributing family worker* is a person who holds a job in a market-oriented establishment operated by a related person living in the same household and who cannot be regarded as a partner because the degree of his or her commitment to the operation of the establishment, in terms of the working time or other factors to be determined by national circumstances, is not at a level comparable with that of the head of the establishment.

Source: The World Bank, *World Development Indicators Online* (retrieved June 1, 2012)

S08.01 Stringency of environmental regulation**How would you assess the stringency of your country's environmental regulations? [1 = very lax; 7 = among the world's most stringent] | 2011–12 weighted average**

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

S08.02 Enforcement of environmental regulation**How would you assess the enforcement of environmental regulations in your country? [1 = very lax; 7 = among the world's most rigorous] | 2011–12 weighted average**

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

S09 Terrestrial biome protection**Degree to which a country achieves the target of protecting 17 percent of each terrestrial biome within its borders | 2010 or most recent year available**

This indicator is calculated by Columbia University's Center for International Earth Science Information Network (CIESIN) by overlaying the protected area mask on terrestrial biome data developed by the World Wildlife Fund (WWF)'s Terrestrial Eco-regions of the World for each country. A *biome* is defined as a major regional or global biotic community, such as a grassland or desert, characterized chiefly by the dominant forms of plant life and the prevailing climate. Scores are capped at 17 percent per biome such that higher levels of protection of some biomes cannot be used to offset lower levels of protection of other biomes, hence the maximum level of protection a country can achieve is 17 percent. CIESIN uses time series of the World Database on Protected Areas (WDPA) developed by the United Nations Environment Programme (UNEP) World Conservation Monitoring Centre (WCMC) in 2011, which provides a spatial time series of protected area coverage from 1990 to 2010. The WCMC considers all nationally designated protected areas whose location and extent is known. Boundaries were defined by polygons where available; where they were not available, protected-area centroids were buffered to create a circle in accordance with the protected area size. The WCMC removed all overlaps between different protected areas by dissolving the boundaries to create a protected areas mask.

Source: Yale University and Columbia University, Environmental Performance Index (EPI) 2012 edition, based on WWF World Wildlife Fund USA and UNEP WCMC data

S10 No. of ratified international environmental treaties**Total number of ratified environmental treaties | 2010**

This indicator provides the total number of environmental treaties ratified by a country. It measures the total number of international treaties from a set of 25 for which a state is a participant. A state becomes a "participant" by Ratification, Formal confirmation, Accession, Acceptance, Definitive signature, Approval, Simplified procedure, Consent to be bound, Succession, and Provisional application (which are here grouped under the term *ratification*, for reasons of convenience). The treaties included are: the International Convention for the Regulation of Whaling, 1948 Washington; the International Convention for the Prevention of Pollution of the Sea by Oil, 1954 London, as amended in 1962 and 1969; the Convention on Wetlands of International Importance especially as Waterfowl Habitat, 1971 Ramsar; the Convention Concerning the Protection of the World Cultural and Natural Heritage, 1972 Paris; the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 1972 London, Mexico City, Moscow, Washington; the Convention on International Trade in Endangered Species of Wild Fauna and Flora, 1973 Washington; the International Convention for the Prevention of Pollution from Ships (MARPOL) as modified by the Protocol of 1978, 1978 London; the Convention on the Conservation of Migratory Species of Wild Animals, 1979 Bonn; the United Nations Convention on the Law of the Sea, 1982 Montego Bay; the Convention on the Protection of the Ozone Layer, 1985 Vienna; the Protocol on Substances that Deplete the Ozone Layer, 1987 Montreal; the Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal, 1989 Basel; the International Convention on Oil Pollution Preparedness, Response and Co-operation, 1990 London; the United Nations Framework Convention on Climate Change, 1992 New York; the Convention on Biological Diversity, 1992 Rio de Janeiro; the International Convention to Combat Desertification in Those Countries Experiencing Serious Drought and/or Desertification, particularly Africa, 1994 Paris; the Agreement relating to the Implementation of Part XI of the United Nations Convention on the Law of the Sea of 10 December 1982, 1994 New York; the Agreement relating to the Provisions of the United Nations Convention on the Law of the Sea relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks, 1995 New York; the Kyoto Protocol to the United Nations Framework Convention on the Climate Change, Kyoto 1997; the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade, 1998 Rotterdam; the Cartagena Protocol of Biosafety to the Convention on Biological Diversity, 2000 Montreal; the Protocol on Preparedness, Response and Cooperation to Pollution Incidents by Hazardous and Noxious Substances, 2000 London; the Stockholm Convention on Persistent Organic Pollutants, 2001 Stockholm; the International Treaty on Plant Genetic Resources for Food and Agriculture, 2001 Rome; and the International Tropical Timber Agreement 206, 1994 Geneva.

Source: The International Union for Conservation of Nature (IUCN) Environmental Law Centre *ELIS Treaty Database*

S11 Agricultural water intensity**Agricultural water withdrawal as a percent of total renewable water resources | 2006 or most recent year available**

Agricultural water withdrawal as a percent of total renewable water resources is calculated as: $100 \times \text{agricultural water withdrawal} / \text{total renewable water resources}$. In turn, $\text{total renewable} = \text{surface renewable water} + \text{renewable water resources groundwater} - \text{overlap between surface and groundwater}$. Where available, this indicator includes water resources coming from desalination used for agriculture (as in Kuwait, Saudi Arabia, the United Arab Emirates, Qatar, Bahrain, and Spain).

Source: FAO AQUASTAT database, available at <http://www.fao.org/nr/water/aquastat/main/index.stm> (retrieved May 31, 2012)

S12 CO₂ intensity

[CO₂ intensity \(kilograms of CO₂ per kilogram of oil equivalent energy use\) | 2008](#)

Carbon dioxide (CO₂) emissions are those stemming from the burning of fossil fuels and the manufacture of cement. They include carbon dioxide produced during consumption of solid, liquid, and gas fuels and gas flaring. *Energy use* refers to use of primary energy before transformation to other end-use fuels, which is equal to indigenous production plus imports and stock changes, minus exports and fuels supplied to ships and aircraft engaged in international transport. A logarithm transformation is applied to the ratio of these statistics in order to spread the data distribution.

Source: The World Bank, *World Development Indicators Online* (retrieved June 1, 2012)

S13 Fish stocks overexploited

[Fraction of country's exclusive economic zone with overexploited and collapsed stocks | 2006](#)

The Sea Around Us (SAU) project's Stock Status Plots (SSPs) are created in four steps (Kleisner and Pauly, 2011). The first step is to define a stock. SAU defines a stock to be a taxon (either at the species, genus, or family level of taxonomic assignment) that occurs in the catch records for at least 5 consecutive years, over a minimum of 10 years, and which has a total catch in an area of at least 1,000 tonnes over the time span. In the second step, SAU assesses the status of the stock for every year relative to the peak catch. SAU defines five states of stock status for a catch time series. This definition is assigned to every taxon meeting the definition of a stock for a particular spatial area considered (e.g., exclusive economic zones, or EEZs). Stock status states are: (1) Developing—before the year of peak catch and less than 50 percent of the peak catch; (2) Exploited—before or after the year of peak catch and more than 50 percent of the peak catch; (3) Overexploited—after the year of peak catch and less than 50 percent but more than 10 percent of the peak catch; (4) Collapsed—after the year of peak catch and less than 10 percent of the peak catch; (5) Rebuilding—occurs after the year of peak catch and after the stock has collapsed, when catch has recovered to between 10 and 50 percent of the peak. In the third step, SAU graphs the number of stocks by status by tallying the number of stocks in a particular state in a given year and presenting these as percentages. In the fourth step, the cumulative catch of stock by status in a given year is summed over all stocks and presented as a percentage in the catch by stock status graph. The combination of these two figures represents the complete Stock Status Plot. The numbers for this indicator are taken from the overexploited and collapsed numbers of stocks over total numbers of stocks per EEZ. A logarithm transformation is applied to these statistics in order to spread the data distribution.

Source: Yale University and Columbia University, Environmental Performance Index (EPI) 2012 edition based on Sea Around Us data

S14.01 Forest cover change

[Percent change in forest area over the period 1990–10 | 2010](#)

This measure represents the percent change in forest area, applying a 10 percent crown cover as the definition of forested areas, between time periods. We used total forest extent rather than the extent of primary forest only. The change measure is calculated from forest area data in 1995, 2000, 2005, and 2010. The data are reported by national governments, and therefore methods and data sources may vary from country to country. Positive values indicate afforestation or reforestation, and negative values represent deforestation.

Source: Yale University and Columbia University, Environmental Performance Index (EPI) 2012 edition based on Sea Around Us data

S14.02 Forest loss

[Forest cover lost over the period 2000–10 based on satellite data | 2010](#)

This indicator represents the loss of forest area owing to deforestation from either human or natural causes, such as forest fires. The University of Maryland researchers used Moderate Resolution Imaging Spectroradiometer (MODIS) 500-meter resolution satellite data to identify areas of forest disturbance, then used Landsat data to quantify the area of forest loss. This indicator uses a baseline forest cover layer (forest cover fraction with a 30 percent forest cover threshold) to measure the area under forest cover in the year 2000. It then combines forest loss estimates from Landsat for the periods 2000–05 and 2005–10 to arrive at a total forest cover change amount for the decade. This total is then divided by the forest area estimate for 2000 to come up with a percent change in forest cover over the decade. Further details on the methods used are found in Hansen, M., S. V. Stehman, and P. V. Potapov. 2010. "Quantification of Global Gross Forest Cover Loss." *Proceedings of the National Academies of Science*, available at www.pnas.org/cgi/doi/10.1073/pnas.0912668107. A logarithm transformation is applied to these statistics in order to spread the data distribution.

Source: Yale University and Columbia University, Environmental Performance Index (EPI) 2012 edition, based on University of Maryland data

S15 Particulate matter (2.5) concentration

[Population-weighted exposure to PM_{2.5} in micrograms per cubic meter, based on satellite data | 2009](#)

This indicator was developed by the Battelle Memorial Institute in collaboration with Columbia University's Center for International Earth Science Information Network (CIESIN) and funding from the NASA Applied Sciences Program. Using relationships between the Moderate Resolution Imaging Spectroradiometer (MODIS) Aerosol Optical Depth (AOD) and surface PM_{2.5} concentrations that were modeled by van Donkelaar et al. (2010), annual average MODIS AOD retrievals were used to estimate surface PM_{2.5} concentrations from 2001 to 2010. These were averaged into three-year moving averages from 2002 to 2009 to generate global grids of PM_{2.5} concentrations. The grids were resampled to match CIESIN's Global Rural-Urban Mapping Project (GRUMP) 1 kilometer population grid. The population-weighted average of the PM_{2.5} values were used to calculate the country's annual average exposure to PM_{2.5} in micrograms per cubic meter. A logarithm transformation is applied to these statistics in order to spread the data distribution.

Source: Yale University and Columbia University, Environmental Performance Index (EPI) 2012 edition based on NASA MODIS and MISR data (van Donkelaar et al. [2010]), Battelle, and CIESIN

S16 Quality of the natural environment

[How would you assess the quality of the natural environment in your country? \[1 = extremely poor; 7 = among the world's most pristine\] | 2011–12 weighted average](#)

Source: World Economic Forum, Executive Opinion Survey, 2011 and 2012 editions

The Executive Opinion Survey: The Voice of the Business Community

CIARA BROWNE
 THIERRY GEIGER
 TANIA GUTKNECHT
 World Economic Forum

The Global Competitiveness Report provides a useful portrait of a nation's economic environment and its ability to achieve sustained levels of prosperity and growth. In doing so, the *Report* continues to be one of the most respected assessments of national competitiveness. To mirror countries' economic performance, the World Economic Forum draws its data from two sources: international organizations and national sources, and its own annual Executive Opinion Survey (Survey). The Survey is a tool that aims to capture crucial information that is not otherwise available on a global scale. The data gathered thus provide a unique source of insight into each nation's economic and business environment. The Survey data are used to calculate the Global Competitiveness Index (GCI) and are also used as a prime data source for the Forum's other industry-specific reports, including *The Global Information Technology Report*, *The Travel & Tourism Competitiveness Report*, *The Global Enabling Trade Report*, *The Gender Gap Report*, and *The Financial Development Report*. The data are also employed for regional studies. Furthermore, the Executive Opinion Survey data have long served a number of international and national organizations, government bodies, academia, and private-sector companies for their policy or strategy review. For example, the data are used for the elaboration of the renowned Corruption Perceptions Index and the International Bribe Payers Index published by Transparency International as well as a number of academic publications. Finally, an increasing number of national competitiveness reports draw on or refer to the Survey data.

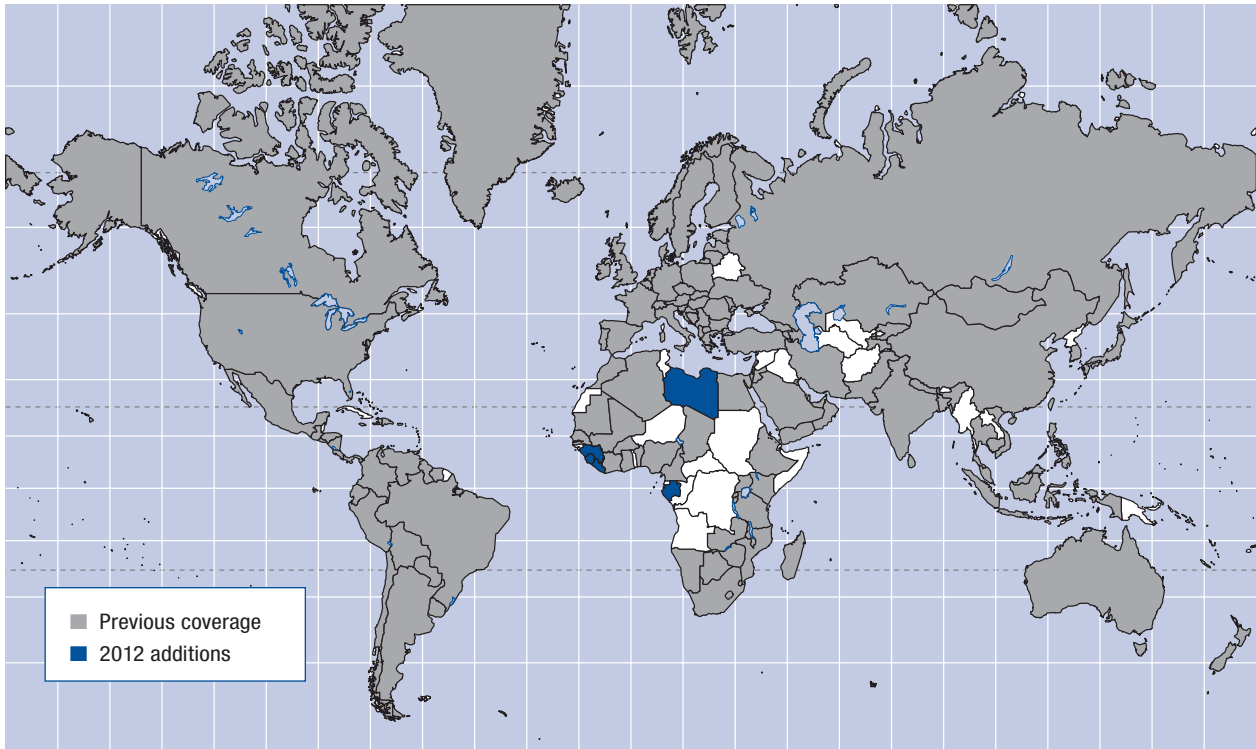
The World Economic Forum has conducted its annual Survey for over 40 years, modifying it over time to capture new data points essential to the GCI and other Forum indexes. It has also expanded the scope of its sample, achieving this year a record of over 15,000 surveys almost 150 economies between January and June 2012.

Following the data editing process (see below), a total of 14,059 surveys were retained.¹ This represents an average of 100 respondents per country. Given the extent of the Survey's country coverage and in order to maximize its outreach, it is translated into over 30 languages.

Geographic expansion

Since the first edition of the World Economic Forum report on competitiveness in 1979, the country coverage has expanded from 16 European countries to 144 economies worldwide, which together account for 98 percent of the world's gross domestic product (see Figure 1). In this edition, five new economies are included: Gabon, Guinea, Liberia, Sierra Leone, and Seychelles; also Libya, which has been reinstated following a year of non-inclusion. On the flip side,

Figure 1: Country/Economy coverage of the Executive Opinion Survey



Angola and Belize are not included in this year’s edition because of a lack of a sufficient number of surveys. Furthermore, it was not possible to conduct the Survey in Syria because of the difficult security situation in that country. Finally, the World Economic Forum decided not to use the data collected in Tunisia this year because of a structural break in the data, making comparisons with past years impossible. The Forum’s Global Benchmarking Network hopes to re-include the above countries in future editions of the *Report*.

SURVEY STRUCTURE AND METHODOLOGY

The Survey is divided into 14 sections.

- I. About Your Company
- II. Overall Perceptions of Your Economy
- III. Government and Public Institutions
- IV. Infrastructure
- V. Innovation and Technology
- VI. Financial Environment
- VII. Foreign Trade and Investment
- VIII. Domestic Competition
- IX. Company Operations and Strategy
- X. Education and Human Capital
- XI. Corruption, Ethics and Social Responsibility
- XII. Travel & Tourism
- XIII. Environment
- XIV. Health

Box 1: Example of a typical Survey question

To what extent is the judiciary in your country independent from influences of members of government, citizens, or firms?

Heavily influenced < 1 2 3 4 5 6 7 > Entirely independent

- Circling 1...** means you agree completely with the answer on the left-hand side
- Circling 2...** means you largely agree with the left-hand side
- Circling 3...** means you somewhat agree with the left-hand side
- Circling 4...** means your opinion is indifferent between the two answers
- Circling 5...** means you somewhat agree with the right-hand side
- Circling 6...** means you largely agree with the right-hand side
- Circling 7...** means you agree completely with the answer on the right-hand side

Most questions in the Survey ask respondents to evaluate, on a scale of 1 to 7, one particular aspect of their operating environment. At one end of the scale, 1 represents the worst possible situation; at the other end of the scale, 7 represents the best (see Box 1 for an example).

The yearly administration of the Survey could not be carried out without the strong network of over 160 Partner Institutes worldwide. The Partner Institutes are typically recognized research institutes, universities, business organizations, and in some cases survey consultancies, which are listed in the front section of the *Report*.² The Partner Institutes are selected because of their understanding and expertise of the national business environment as well as their capacity to reach out to leading business executives and also for their commitment to the Forum's research on competitiveness. The Partner Institutes are tasked to follow detailed sampling guidelines in view of capturing a strong and representative sample.

After building a sample frame of potential respondents, the Partner Institutes administer the Survey. This valuable collaboration helps to ensure that the Survey is conducted according to the sampling guidelines and therefore in a consistent and timely manner across the globe.

The Survey sampling follows a dual stratification procedure based on the size of the company and the sector of activity. Specifically, the Survey sampling guidelines ask the Partner Institutes to carry out the following steps:

1. Prepare a "sample frame," or large list of potential respondents, which includes firms representing the main sectors of the economy (agriculture, manufacturing industry, non-manufacturing industry, and services).
2. Separate the frame into two lists: one that includes only large firms, and a second list that includes all other firms (both lists representing the various economic sectors).³
3. Based on these lists, and in view of reducing survey bias, choose a random selection of these firms to receive the Survey.

Furthermore, the sampling guidelines specify that the Partner Institute should aim to collect a combination of random respondents with some repeat respondents for further comparative analysis.⁴ The administration of the Survey may take a variety of formats including face-to-face interviews, with business executives, telephone interviews and mailings, with an online survey as an alternative. Deciding which of these differing methodologies to use may be based on the particular country's infrastructure, distance between cities, cultural preferences, and other such issues.

For energy, time, and cost considerations, the Forum encourages the use of the online survey tool, which was available this year in 18 languages. The share of online participation has significantly increased

over the years and now represents almost 37 percent of all responses, with an increase of nearly 40 percent in the last three years. This year, 9 countries used the online tool for 100 percent of respondents (Argentina, Belgium, Bolivia, Czech Republic, Estonia, Iceland, Israel, Lebanon, and Venezuela), and 28 economies participated with more than 90 percent online (see Table 1).

The Partner Institutes also take an active and essential part in disseminating the findings of *The Global Competitiveness Report* and additional reports published by The Global Benchmarking Network by holding press events and workshops to highlight the results at the national level to the business community, the public sector, and other stakeholders.

The guidelines and Survey administration process underwent a stringent review in 2007, with the consultation of a renowned survey consultancy. The improved sampling guidelines have now been adopted in all countries for the last five years of the Survey administration process, implementing a best practice procedure and thus ensuring greater data accuracy and allowing for more robust comparison across economies. The entire Survey process will undergo a second audit in 2012 with the aim of implementing those recommendations in the 2013 edition of the Survey.

DATA TREATMENT AND SCORE COMPUTATION

This section details the process whereby individual survey responses are edited and aggregated in order to produce the scores of each economy on each individual question of the Survey. These results, together with other indicators obtained from other sources, feed into the GCI and other projects.⁵

Data editing

Prior to aggregation, the respondent-level data are subjected to a careful editing process. The first editing rule consists of excluding those surveys with a completion rate inferior to 50 percent.⁶ This is because a partially completed survey likely demonstrates a lack of sufficient focus on the part of the respondent. In a second step, a multivariate outlier analysis is applied to the data using the Mahalanobis distance technique. This test assesses whether each individual survey is representative, given the overall sample of survey responses in the specific country, and allows for the deletion of clear outliers.

More specifically, the Mahalanobis distance test estimates the likelihood that one particular point of N dimensions belongs to a set of such points. One single survey made up of N answers can be viewed as the point of N dimensions, while a particular country sample c is the set of points. The Mahalanobis distance is used to compute the probability that any survey i does not belong to the sample c . If the probability is high

Table 1: Executive Opinion Survey: Descriptive statistics and weightings

| Country/Economy | First component* | | | Second component: 2012 Survey* | | |
|-------------------------|------------------|--------------------|------------|--------------------------------|------------------------|------------|
| | Survey edition | No. of respondents | Weight (%) | No. of respondents | Use of online tool (%) | Weight (%) |
| Albania | 2011 | 79 | 44.7 | 81 | 0.0 | 55.3 |
| Algeria | 2011 | 39 | 47.1 | 33 | 3.0 | 52.9 |
| Argentina | 2011 | 86 | 43.2 | 99 | 100.0 | 56.8 |
| Armenia | 2011 | 83 | 45.5 | 80 | 8.8 | 54.5 |
| Australia | 2011 | 72 | 45.7 | 68 | 69.1 | 54.3 |
| Austria | 2011 | 46 | 35.2 | 105 | 53.3 | 64.8 |
| Azerbaijan | 2011 | 96 | 45.1 | 95 | 0.0 | 54.9 |
| Bahrain | 2011 | 80 | 47.6 | 65 | 96.9 | 52.4 |
| Bangladesh | 2011 | 69 | 42.3 | 86 | 0.0 | 57.7 |
| Barbados | 2011 | 37 | 37.0 | 72 | 77.8 | 63.0 |
| Belgium | 2011 | 68 | 42.5 | 83 | 100.0 | 57.5 |
| Benin | 2011 | 105 | 46.9 | 90 | 0.0 | 53.1 |
| Bolivia | 2011 | 79 | 46.2 | 72 | 100.0 | 53.8 |
| Bosnia and Herzegovina† | 2010 | 100 | 45.0 | 100 | 0.0 | 55.0 |
| Botswana | 2011 | 114 | 49.4 | 80 | 31.3 | 50.6 |
| Brazil | 2011 | 185 | 48.2 | 143 | 93.7 | 51.8 |
| Brunei Darussalam | 2011 | 91 | 53.7 | 44 | 59.1 | 46.3 |
| Bulgaria | 2011 | 126 | 45.6 | 120 | 0.0 | 54.4 |
| Burkina Faso | 2011 | 40 | 44.7 | 41 | 0.0 | 55.3 |
| Burundi | 2011 | 77 | 42.8 | 92 | 0.0 | 57.2 |
| Cambodia | 2011 | 100 | 48.2 | 77 | 0.0 | 51.8 |
| Cameroon | 2011 | 83 | 48.6 | 62 | 0.0 | 51.4 |
| Canada | 2011 | 98 | 44.4 | 103 | 97.1 | 55.6 |
| Cape Verde | 2011 | 83 | 41.7 | 108 | 24.1 | 58.3 |
| Chad | 2011 | 113 | 45.9 | 105 | 0.0 | 54.1 |
| Chile | 2011 | 75 | 44.5 | 78 | 26.9 | 55.5 |
| Colombia | 2011 | 137 | 36.2 | 286 | 83.9 | 63.8 |
| Costa Rica | 2011 | 99 | 45.6 | 94 | 96.8 | 54.4 |
| Côte d'Ivoire | 2011 | 132 | 49.5 | 92 | 0.0 | 50.5 |
| Croatia | 2011 | 97 | 43.8 | 107 | 47.7 | 56.2 |
| Cyprus | 2011 | 99 | 47.8 | 79 | 0.0 | 52.2 |
| Czech Republic | 2011 | 153 | 44.2 | 163 | 100.0 | 55.8 |
| Denmark | 2011 | 33 | 30.2 | 128 | 0.0 | 69.8 |
| Dominican Republic | 2011 | 54 | 38.6 | 91 | 3.3 | 61.4 |
| Timor-Leste | 2011 | 31 | 43.5 | 35 | 0.0 | 56.5 |
| Ecuador†† | 2011 | 134 | 100.0 | n/a | n/a | n/a |
| Egypt | 2011 | 121 | 51.2 | 73 | 0.0 | 48.8 |
| El Salvador | 2011 | 90 | 56.3 | 34 | 79.4 | 43.7 |
| Estonia | 2011 | 93 | 46.1 | 85 | 100.0 | 53.9 |
| Ethiopia | 2011 | 100 | 51.3 | 60 | 0.0 | 48.8 |
| Finland | 2011 | 33 | 43.9 | 36 | 97.2 | 56.1 |
| Macedonia, FYR | 2011 | 115 | 48.2 | 89 | 1.1 | 51.8 |
| France | 2011 | 109 | 42.9 | 129 | 0.8 | 57.1 |
| Gabon††† | n/a | n/a | n/a | 48 | 0.0 | 100.0 |
| Gambia, The | 2011 | 91 | 45.6 | 87 | 0.0 | 54.4 |
| Georgia†† | 2011 | 95 | 100.0 | n/a | n/a | n/a |
| Germany | 2011 | 95 | 41.4 | 127 | 79.5 | 58.6 |
| Ghana | 2011 | 84 | 45.8 | 79 | 21.5 | 54.2 |
| Greece | 2011 | 85 | 45.3 | 83 | 63.9 | 54.7 |
| Guatemala | 2011 | 78 | 44.2 | 83 | 1.2 | 55.8 |
| Guinea††† | n/a | n/a | n/a | 60 | 0.0 | 100.0 |
| Guyana | 2011 | 84 | 44.3 | 89 | 0.0 | 55.7 |
| Haiti | 2011 | 146 | 54.3 | 67 | 0.0 | 45.7 |
| Honduras | 2011 | 85 | 44.9 | 86 | 12.8 | 55.1 |
| Hong Kong SAR | 2011 | 51 | 41.3 | 69 | 75.4 | 58.8 |
| Hungary | 2011 | 50 | 36.3 | 103 | 66.0 | 63.7 |
| Iceland | 2011 | 81 | 43.3 | 93 | 100.0 | 56.7 |
| India | 2011 | 248 | 53.5 | 122 | 33.6 | 46.5 |
| Indonesia | 2011 | 86 | 44.7 | 88 | 1.1 | 55.3 |
| Iran, Islamic Rep. | 2011 | 328 | 38.0 | 585 | 36.6 | 62.0 |
| Ireland | 2011 | 49 | 42.1 | 62 | 93.5 | 57.9 |
| Israel | 2011 | 47 | 44.0 | 51 | 100.0 | 56.0 |
| Italy | 2011 | 92 | 45.7 | 87 | 3.4 | 54.3 |
| Jamaica | 2011 | 53 | 40.7 | 75 | 0.0 | 59.3 |
| Japan | 2011 | 105 | 44.3 | 111 | 4.5 | 55.7 |
| Jordan | 2011 | 96 | 39.0 | 156 | 16.0 | 61.0 |
| Kazakhstan† | 2010 | 122 | 47.1 | 103 | 0.0 | 52.9 |
| Kenya | 2011 | 104 | 44.1 | 112 | 0.0 | 55.9 |
| Kuwait | 2011 | 49 | 48.2 | 38 | 31.6 | 51.8 |
| Kyrgyz Republic | 2011 | 99 | 45.0 | 99 | 0.0 | 55.0 |
| Latvia | 2011 | 176 | 52.1 | 98 | 91.8 | 47.9 |
| Lebanon | 2011 | 48 | 47.9 | 38 | 100.0 | 52.1 |

(Cont'd.)

Table 1: Executive Opinion Survey: Descriptive statistics and weightings (cont'd.)

| Country/Economy | First component* | | | Second component: 2012 Survey* | | |
|-----------------------------|------------------|--------------------|------------|--------------------------------|------------------------|------------|
| | Survey edition | No. of respondents | Weight (%) | No. of respondents | Use of online tool (%) | Weight (%) |
| Lesotho | 2011 | 79 | 43.5 | 89 | 0.0 | 56.5 |
| Liberia ^{†††} | n/a | n/a | n/a | 85 | 0.0 | 100.0 |
| Libya ^{†††} | n/a | n/a | n/a | 72 | 45.8 | 100.0 |
| Lithuania | 2011 | 178 | 46.9 | 153 | 63.4 | 53.1 |
| Luxembourg | 2011 | 35 | 41.9 | 45 | 93.3 | 58.1 |
| Madagascar | 2011 | 86 | 44.2 | 92 | 0.0 | 55.8 |
| Malawi | 2011 | 64 | 45.6 | 61 | 11.5 | 54.4 |
| Malaysia | 2011 | 87 | 46.2 | 79 | 38.0 | 53.8 |
| Mali | 2011 | 129 | 47.9 | 102 | 0.0 | 52.1 |
| Malta | 2011 | 52 | 43.6 | 58 | 77.6 | 56.4 |
| Mauritania | 2011 | 71 | 43.2 | 82 | 0.0 | 56.8 |
| Mauritius | 2011 | 95 | 45.5 | 91 | 39.6 | 54.5 |
| Mexico | 2011 | 354 | 48.0 | 278 | 91.0 | 52.0 |
| Moldova | 2011 | 108 | 44.5 | 112 | 0.0 | 55.5 |
| Mongolia | 2011 | 84 | 44.9 | 85 | 0.0 | 55.1 |
| Morocco [†] | 2010 | 94 | 55.1 | 40 | 0.0 | 44.9 |
| Mozambique | 2011 | 112 | 47.6 | 91 | 0.0 | 52.4 |
| Namibia | 2011 | 75 | 43.9 | 82 | 0.0 | 56.1 |
| Nepal | 2011 | 102 | 46.2 | 93 | 0.0 | 53.8 |
| Netherlands | 2011 | 87 | 45.7 | 82 | 98.8 | 54.3 |
| New Zealand | 2011 | 51 | 44.1 | 55 | 96.4 | 55.9 |
| Nicaragua | 2011 | 93 | 47.4 | 77 | 84.4 | 52.6 |
| Nigeria | 2011 | 110 | 45.7 | 104 | 1.0 | 54.3 |
| Norway | 2011 | 47 | 39.3 | 75 | 97.3 | 60.7 |
| Oman | 2011 | 70 | 43.6 | 78 | 50.0 | 56.4 |
| Pakistan | 2011 | 130 | 47.1 | 110 | 23.6 | 52.9 |
| Panama | 2011 | 134 | 45.1 | 133 | 63.2 | 54.9 |
| Paraguay | 2011 | 94 | 47.0 | 80 | 7.5 | 53.0 |
| China | 2011 | 370 | 45.0 | 371 | 0.3 | 55.0 |
| Peru | 2011 | 88 | 45.7 | 83 | 30.1 | 54.3 |
| Philippines | 2011 | 93 | 40.7 | 132 | 0.8 | 59.3 |
| Poland | 2011 | 198 | 44.5 | 206 | 93.7 | 55.5 |
| Portugal | 2011 | 136 | 47.1 | 115 | 55.7 | 52.9 |
| Puerto Rico | 2011 | 63 | 43.5 | 71 | 98.6 | 56.5 |
| Qatar [†] | 2010 | 75 | 38.9 | 123 | 16.3 | 61.1 |
| Korea, Rep. | 2011 | 112 | 46.7 | 98 | 3.1 | 53.3 |
| Montenegro | 2011 | 78 | 45.3 | 76 | 0.0 | 54.7 |
| Serbia | 2011 | 81 | 42.5 | 99 | 0.0 | 57.5 |
| Romania | 2011 | 94 | 44.5 | 98 | 0.0 | 55.5 |
| Russian Federation | 2011 | 377 | 43.8 | 414 | 0.7 | 56.2 |
| Rwanda ^{††} | 2011 | 40 | 100.0 | n/a | n/a | n/a |
| Saudi Arabia [†] | 2010 | 152 | 50.8 | 95 | 96.8 | 49.2 |
| Senegal | 2011 | 90 | 44.5 | 94 | 0.0 | 55.5 |
| Seychelles ^{†††} | n/a | n/a | n/a | 32 | 34.4 | 100.0 |
| Sierra Leone ^{†††} | n/a | n/a | n/a | 99 | 0.0 | 100.0 |
| Singapore | 2011 | 152 | 43.0 | 178 | 56.2 | 57.0 |
| Slovak Republic | 2011 | 78 | 46.7 | 68 | 80.9 | 53.3 |
| Slovenia [†] | 2010 | 101 | 43.9 | 110 | 0.0 | 56.1 |
| South Africa | 2011 | 57 | 47.9 | 45 | 82.2 | 52.1 |
| Spain | 2011 | 103 | 46.5 | 91 | 83.5 | 53.5 |
| Sri Lanka ^{††} | 2011 | 105 | 100.0 | n/a | n/a | n/a |
| Suriname | 2011 | 34 | 43.9 | 37 | 0.0 | 56.1 |
| Swaziland | 2011 | 40 | 42.0 | 51 | 68.6 | 58.0 |
| Sweden | 2011 | 32 | 34.7 | 77 | 97.4 | 65.3 |
| Switzerland | 2011 | 90 | 46.6 | 79 | 93.7 | 53.4 |
| Taiwan, China | 2011 | 68 | 44.6 | 70 | 50.0 | 55.4 |
| Tajikistan | 2011 | 101 | 45.5 | 97 | 0.0 | 54.5 |
| Tanzania | 2011 | 92 | 44.1 | 99 | 1.0 | 55.9 |
| Thailand | 2011 | 55 | 41.2 | 75 | 73.3 | 58.8 |
| Trinidad and Tobago | 2011 | 116 | 41.7 | 151 | 80.1 | 58.3 |
| Turkey | 2011 | 79 | 44.1 | 85 | 21.2 | 55.9 |
| Uganda | 2011 | 94 | 45.5 | 90 | 0.0 | 54.5 |
| Ukraine | 2011 | 104 | 44.4 | 109 | 1.8 | 55.6 |
| United Arab Emirates | 2011 | 108 | 39.5 | 169 | 7.1 | 60.5 |
| United Kingdom | 2011 | 93 | 43.8 | 102 | 96.1 | 56.2 |
| United States | 2011 | 422 | 45.8 | 397 | 98.2 | 54.2 |
| Uruguay | 2011 | 82 | 45.2 | 81 | 0.0 | 54.8 |
| Venezuela | 2011 | 45 | 46.8 | 39 | 100.0 | 53.2 |
| Vietnam | 2011 | 96 | 45.0 | 96 | 2.1 | 55.0 |
| Yemen | 2011 | 52 | 44.8 | 53 | 0.0 | 55.2 |
| Zambia | 2011 | 88 | 44.2 | 94 | 0.0 | 55.8 |
| Zimbabwe | 2011 | 56 | 43.3 | 64 | 40.6 | 56.7 |
| Grand total/Average | | | | 14,059 | 36.6 | |

Note: All statistics were computed following the edited process. See text for details.

* The table reports information about the two Survey editions used in the computation of the two-year weighted average score. See Box 2 for details.

Survey edition(s) used for the computation of the two-year weighted average score: [†] 2010 and 2012; ^{††} 2011; ^{†††} 2012. See Box 2 for details about exceptions.

enough—we use 99.9 percent as the threshold—we conclude that the survey is a clear outlier and does not “belong” to the sample. The implementation of this test requires that the number of responses in a country be greater than the number of answers, N , used in the test. The test uses 66 questions, selected by their relevance and placement in the Survey instrument.

A univariate outlier test is then applied at the country level for each question of each survey. We use the standardized score—or “z-score”—method, which indicates by how many standard deviations any one individual answer deviates from the mean of the country sample. Individual answers with a standardized score $Z_{i,q,c}$ greater than 3 are dropped.

Data weighting: Sector-weighted country averages

Once the data have been edited, individual answers are aggregated at the country level. We compute sector-weighted country averages to obtain a more representative average that takes into account the structure of a country’s economy. The structure is defined by the estimated contributions to a country’s gross domestic product of each of the four main economic sectors: agriculture, manufacturing industry, non-manufacturing industry, and services (see Table 2).⁷

An additional step is taken to prevent individual responses within a sample from receiving an excessive weight when the structure of the sample and the underlying economy differ greatly. As an extreme example, imagine the case of a country where just 3 percent of responses come from the services sector, but that sector actually represents 90 percent of the country’s economy. By applying the above sector-weighting scheme, we would be giving a very high weight to a very few surveys. This is avoided by trimming the sector weights. When for a country the ratio of the weight of one sector in the economy to the percentage of surveys from that sector in the country sample exceeds 5, the sector weight used for the weighted average is capped to five times the percentage of surveys from that sector in the sample. The weights of the other sectors are then adjusted proportionally to their weight in the country’s GDP.

Formally, the sector-weighted average of a Survey indicator i for country c , denoted $q_{i,c}$, is computed as follows:

$$q_{i,c} = \sum_s w_{s,c} \times q_{i,s,c}$$

with

$$q_{i,s,c} = \sum_j \frac{q_{i,j,s,c}}{N_{s,c}},$$

where

$w_{s,c}$ is sector s ’s contribution to the economy of country c ;

$q_{i,s,c}$ is the mean of the answers to question i from sector s in country c ;

$q_{i,j,s,c}$ is the answer to question i from respondent j in sector s in country c ; and

$N_{s,c}$ is the number of responses from sector s in country c .

When for a given country the sample size is too small or the sectoral representation of the sample is too different from the actual structure in the economy, the mechanism described above might not be sufficient to prevent an individual response from receiving a disproportionate weight.⁸ In such a case the economic sector stratification average is abandoned and a simple average of the surveys is applied, where all individual responses contribute equally to the country score regardless the sector of activity of the respondents’ companies. In 2012, this was the case for seven countries: Algeria, Burkina Faso, Kuwait, Morocco, Timor-Leste, Venezuela, and Yemen. Going forward, we will work closely with our Partner Institutes to increase the sample size and improve the sector representation in these countries.

Data weighting: Moving average

As a final step, the sector-weighted country averages for 2012 are combined with the 2011 averages to produce the country scores that are used for the computation of the GCI 2012–2013 and for other projects.

This moving average technique, introduced in 2008, consists of taking a weighted average of the most recent year’s Survey results together with a discounted average of the previous year. There are several reasons for doing this. First, it makes results less sensitive to the specific point in time when the Survey is administered. Second, it increases the amount of available information by providing a larger sample size. Additionally, because the Survey is carried out during the first quarter of the year, the average of the responses in the first quarter of 2011 and first quarter of 2012 better aligns the Survey data with many of the data indicators from sources other than the Survey, which are often year-average data. For newly introduced questions, for which no time series exists, the final country score simply corresponds to the country score in 2012. Such is the case for indicator 1.13, which is derived from the new Survey question about the provision of government services aiming at improving business performance.

To calculate the moving average, we use a weighting scheme composed of two overlapping elements. On one hand, we want to give each response an equal weight and, therefore, place more weight on the year with the larger sample size. At the same time, we would like to give more weight to the most recent responses because

Table 2: Sectoral value-added as a share (%) of GDP, most recent year available

| Country/Economy | Agriculture | Manu- facturing industry | Non- manufac- ing industry | Services | Country/Economy | Agriculture | Manu- facturing industry | Non- manufac- ing industry | Services |
|------------------------|-------------|--------------------------------|----------------------------------|----------|----------------------|-------------|--------------------------------|----------------------------------|----------|
| Albania | 20 | 20* | n/a | 60 | Lesotho | 8 | 16 | 19 | 58 |
| Argentina | 9 | 22 | 9 | 60 | Liberia | 61 | 13 | 4 | 22 |
| Armenia | 20 | 15 | 18 | 47 | Libya | 2 | 4 | 74 | 20 |
| Australia | 3 | 10 | 19 | 68 | Lithuania | 3 | 16 | 11 | 70 |
| Austria | 2 | 19 | 11 | 69 | Luxembourg | 0 | 6 | 7 | 87 |
| Azerbaijan | 6 | 4 | 65 | 24 | Macedonia, FYR | 11 | 23 | 13 | 52 |
| Bahrain | 0 | 66* | n/a | 33 | Madagascar | 29 | 14 | 2 | 55 |
| Bangladesh | 19 | 18 | 11 | 53 | Malawi | 31 | 10 | 6 | 53 |
| Barbados | 4 | 7 | 11 | 78 | Malaysia | 10 | 25 | 19 | 46 |
| Belgium | 1 | 14 | 8 | 78 | Mali | 37 | 3 | 21 | 39 |
| Benin | 32 | 8 | 6 | 54 | Malta | 2 | 14 | 19 | 65 |
| Bolivia | 14 | 14 | 22 | 50 | Mauritania | 20 | 4 | 33 | 43 |
| Bosnia and Herzegovina | 8 | 13 | 16 | 63 | Mauritius | 4 | 19 | 10 | 67 |
| Botswana | 3 | 3 | 42 | 52 | Mexico | 4 | 18 | 17 | 61 |
| Brazil | 6 | 16 | 10 | 68 | Moldova | 10 | 12 | 0 | 78 |
| Brunei Darussalam | 1 | 10 | 61 | 28 | Mongolia | 18 | 7 | 29 | 45 |
| Bulgaria | 5 | 16 | 14 | 64 | Montenegro | 10 | 6 | 14 | 70 |
| Burundi | 35 | 9 | 11 | 45 | Mozambique | 32 | 13 | 10 | 45 |
| Cambodia | 35 | 15 | 8 | 42 | Namibia | 8 | 8 | 12 | 73 |
| Cameroon | 19 | 17 | 14 | 50 | Nepal | 33 | 7 | 9 | 52 |
| Canada | 2 | 14 | 18 | 67 | Netherlands | 2 | 13 | 11 | 74 |
| Cape Verde | 9 | 7 | 13 | 71 | New Zealand | 6 | 15 | 10 | 69 |
| Chad | 14 | 7 | 42 | 38 | Nicaragua | 18 | 19 | 9 | 53 |
| Chile | 3 | 13 | 30 | 54 | Nigeria | 32 | 3 | 39 | 26 |
| China | 10 | 32 | 12 | 46 | Norway | 1 | 10 | 31 | 58 |
| Colombia | 7 | 14 | 18 | 61 | Oman | 2 | 8 | 47 | 43 |
| Costa Rica | 7 | 19 | 8 | 66 | Pakistan | 22 | 17 | 7 | 55 |
| Côte d'Ivoire | 23 | 19 | 8 | 50 | Panama | 5 | 6 | 11 | 78 |
| Croatia | 7 | 17 | 12 | 63 | Paraguay | 19 | 12 | 8 | 62 |
| Cyprus | 2 | 8 | 12 | 78 | Peru | 7 | 14 | 18 | 62 |
| Czech Republic | 2 | 23 | 14 | 60 | Philippines | 12 | 21 | 11 | 55 |
| Denmark | 1 | 13 | 9 | 77 | Poland | 4 | 16 | 14 | 66 |
| Dominican Republic | 6 | 22 | 5 | 67 | Portugal | 2 | 13 | 10 | 75 |
| Ecuador | 7 | 11 | 15 | 67 | Puerto Rico | 1 | 40 | 3 | 56 |
| Egypt | 10 | 14 | 15 | 61 | Qatar | 0 | 68* | n/a | 32 |
| El Salvador | 13 | 22 | 6 | 59 | Romania | 7 | 22 | 4 | 67 |
| Estonia | 3 | 17 | 12 | 68 | Russian Federation | 5 | 15 | 18 | 62 |
| Ethiopia | 48 | 5 | 9 | 38 | Rwanda | 34 | 6 | 8 | 52 |
| Finland | 3 | 18 | 10 | 69 | Saudi Arabia | 3 | 10 | 52 | 35 |
| France | 2 | 11 | 8 | 79 | Senegal | 17 | 13 | 9 | 61 |
| Gabon | 4 | 4 | 50 | 42 | Serbia | 11 | 19* | n/a | 70 |
| Gambia, The | 27 | 5 | 11 | 57 | Seychelles | 2 | 11 | 8 | 79 |
| Georgia | 10 | 9 | 12 | 69 | Sierra Leone | 47 | 4 | 21 | 29 |
| Germany | 1 | 19 | 7 | 73 | Singapore | 0 | 22 | 6 | 72 |
| Ghana | 30 | 6 | 12 | 51 | Slovak Republic | 3 | 19 | 15 | 63 |
| Greece | 3 | 10 | 8 | 79 | Slovenia | 2 | 22 | 12 | 64 |
| Guatemala | 12 | 19 | 8 | 61 | South Africa | 3 | 15 | 16 | 66 |
| Guinea | 13 | 5 | 43 | 40 | Spain | 3 | 13 | 13 | 71 |
| Guyana | 19 | 7 | 29 | 46 | Sri Lanka | 14 | 16 | 11 | 60 |
| Haiti | 25 | 16* | n/a | 59 | Suriname | 5 | 20 | 19 | 56 |
| Honduras | 11 | 17 | 8 | 64 | Swaziland | 7 | 45 | 5 | 42 |
| Hong Kong SAR | 0 | 2 | 6 | 93 | Sweden | 2 | 16 | 9 | 73 |
| Hungary | 4 | 22 | 8 | 66 | Switzerland | 1 | 19 | 8 | 72 |
| Iceland | 6 | 13 | 14 | 66 | Taiwan, China | 2 | 30* | n/a | 69 |
| India | 16 | 16 | 12 | 55 | Tajikistan | 21 | 10 | 13 | 57 |
| Indonesia | 16 | 26 | 23 | 35 | Tanzania | 28 | 10 | 15 | 47 |
| Iran, Islamic Rep. | 10 | 11 | 34 | 45 | Thailand | 11 | 34 | 9 | 45 |
| Ireland | 1 | 24 | 8 | 67 | Trinidad and Tobago | 0 | 6 | 46 | 47 |
| Israel | 3 | 32* | n/a | 64 | Turkey | 9 | 17 | 9 | 65 |
| Italy | 2 | 16 | 9 | 73 | Uganda | 24 | 8 | 17 | 50 |
| Jamaica | 6 | 9 | 13 | 71 | Ukraine | 8 | 18 | 11 | 63 |
| Japan | 1 | 20 | 8 | 71 | United Arab Emirates | 2 | 12 | 48 | 38 |
| Jordan | 3 | 19 | 11 | 66 | United Kingdom | 1 | 11 | 10 | 78 |
| Kazakhstan | 5 | 12 | 31 | 52 | United States | 1 | 13 | 8 | 77 |
| Kenya | 19 | 8 | 6 | 67 | Uruguay | 12 | 17 | 8 | 63 |
| Korea, Rep. | 3 | 28 | 9 | 61 | Vietnam | 20 | 20 | 20 | 39 |
| Kyrgyz Republic | 29 | 13 | 7 | 51 | Zambia | 9 | 9 | 28 | 54 |
| Latvia | 4 | 12 | 10 | 74 | Zimbabwe | 17 | 15 | 14 | 53 |
| Lebanon | 5 | 8 | 8 | 78 | | | | | |

Sources: World Bank, *World Development Indicators* (accessed December 8, 2011); Economist Intelligence Unit, *CountryData database* (accessed December 9, 2011); US Central Intelligence Agency, *The World Factbook* (accessed December 9, 2011).

Note: The simple average was used to compute the country scores of Algeria, Burkina Faso, Kuwait, Morocco, Timor-Leste, Venezuela, and Yemen. The values for these countries are therefore not reported. See text for details.

* Combined share of manufacturing and non-manufacturing industries.

Box 2: Country score calculation

This box presents the method applied to compute the country scores for the vast majority of economies included in *The Global Competitiveness Report 2012–2013* (see text for exceptions).

For any given Survey question i , country c 's final score, $q_{i,c}^{2011-12}$, is given by:

$$q_{i,c}^{2011-12} = w_c^{2011} \times q_{i,c}^{2011} + w_c^{2012} \times q_{i,c}^{2012} \quad (1)$$

where

$q_{i,c}^t$ is country c 's score on question i in year t , with $t = 2011, 2012$, as computed following the approach described in the text;

$q_{i,n,c}^t$ is respondent n 's response (on a 1–7 scale) to question i in year t ; and

w_c^t is the weight applied to country c 's score in year t (see below).

The weights for each year are determined as follows:

$$w_c^{2011} = \frac{(1-\alpha) + \frac{N_c^{2011}}{N_c^{2011} + N_c^{2012}}}{2} \quad (2a) \quad \text{and} \quad w_c^{2012} = \frac{\alpha + \frac{N_c^{2012}}{N_c^{2011} + N_c^{2012}}}{2} \quad (2b)$$

where N_c^t is the sample size (i.e., the number of respondents) for country c in year t , with $t = 2011, 2012$.

Plugging Equations (2a) and (2b) into (1) and rearranging yields:

$$q_{i,c}^{2011-12} = \frac{1}{2} \times \left[\underbrace{(1-\alpha) \times q_{i,c}^{2011} + \alpha \times q_{i,c}^{2012}}_{\text{discounted-past weighted average}} \right] + \frac{1}{2} \times \left[\underbrace{\frac{N_c^{2011}}{N_c^{2011} + N_c^{2012}} \times q_{i,c}^{2011} + \frac{N_c^{2012}}{N_c^{2011} + N_c^{2012}} \times q_{i,c}^{2012}}_{\text{sample-size weighted average}} \right]. \quad (3)$$

In Equation (3), the first component of the weighting scheme is the discounted-past weighted average. The second component is the sample-size weighted average. The two components are given half-weight each. The value for α is 0.6, which corresponds to a discount factor of 2/3. That is, the 2011 score of country c is given 2/3 of the weight given to the 2012 score. One additional characteristic of this approach is that it prevents a country sample that is much larger in one year from overwhelming the smaller sample from the other year.

The formula is easily generalized. For any two consecutive editions t_1 and t_2 of the Survey, country c 's final score on question i is computed as follows:

$$q_{i,c}^{t_1-t_2} = \frac{1}{2} \times \left[(1-\alpha) \times q_{i,c}^{t_1} + \alpha \times q_{i,c}^{t_2} \right] + \frac{1}{2} \times \left[\frac{N_c^{t_1}}{N_c^{t_1} + N_c^{t_2}} \times q_{i,c}^{t_1} + \frac{N_c^{t_2}}{N_c^{t_1} + N_c^{t_2}} \times q_{i,c}^{t_2} \right]. \quad (4)$$

Exceptions

As described in the text, there are a number of exceptions to the approach described above. In describing them below, we use actual years—rather than letters—in equations for the sake of concreteness.

In the case of Survey questions that were introduced in 2012, where, by definition, no past data exist, the weight applied is $w_c^{2011} = 0$ and $w_c^{2012} = 1$. Equation (1) simply is $q_{i,c}^{2011-12} = q_{i,c}^{2012}$. The same is true for those countries that are newly covered (Gabon, Guinea, Liberia, Seychelles, and Sierra Leone) and reinstated (Libya) in 2012. For these countries too we use $q_{i,c}^{2011-12} = q_{i,c}^{2012}$.

In the case of countries that failed the inter-year robustness check, the weight applied is $w_c^{2011} = 1$ and $w_c^{2012} = 0$, so that Equation (1) simply becomes $q_{i,c}^{2011-12} = q_{i,c}^{2011}$. In the case of countries that failed the inter-year robustness check last year and for which the 2011 data were discarded, we use the Survey data from 2010 instead, and combine them with those of 2012 to compute the scores. Equation (1) then becomes $q_{i,c}^{2010,2012} = w_c^{2010} \times q_{i,c}^{2010} + w_c^{2012} \times q_{i,c}^{2012}$.

Example

For this example, we compute the score of Australia for indicator 6.01 on the intensity of local competition, which is *not* a newly introduced question. Also, Australia did not fail the inter-year robustness test either this year or last year. Therefore, the general case of Equation (1) applies. Australia's score was 6.03 in 2011 and 5.70 in 2012. The weighting scheme described above indicates how the two scores are combined. In Australia, the size of the sample was 72 in 2011 and 68 in 2012. Using $\alpha = 0.6$

(Cont'd.)

Box 2: Country score calculation (*cont'd.*)

and applying Equations (2a) and (2b) yields weights of 45.7 percent for 2011 and 54.3 percent for 2012 (see Table 1). The final country score for this question is given by Equation (1):

$$\underbrace{0.457 \times 6.03}_{2011} + \underbrace{0.543 \times 5.70}_{2012} = 5.85$$

This is the final score used in the computation of the GCI and reported in Table 6.01 (see page 450). Although numbers are rounded to two decimal places in this example and to one decimal place in the data tables, exact figures are used in all calculations.

they contain more updated information. That is, we also “discount the past.” Table 1 reports the exact weights used in the computation of the scores of each country, while Box 2 details the methodology and provides a clarifying example.

Inter-year robustness test

The two tests described above address variability issues among individual responses in a country. Yet they were not designed to track the evolution of country scores across time. Therefore, we use an additional test to assess the reliability and consistency of the Survey data. The inter-quartile range test, or IQR test, is used to identify large swings—positive and negative—in the country scores. More specifically, for each country we compute c as the average difference in country scores across all the Survey questions from one year to another. We then compute the inter-quartile range (i.e., the difference between the 25th percentile and the 75th percentile), denoted iq , of the sample of 144 economies with respect to the previous year. Any value c lying outside the range bounded by the 25th percentile minus 1.5 times iq and the 75th percentile plus 1.5 times iq is identified as a potential outlier. Formally, we have:

$$\begin{cases} \text{lower bound} = Q1 - 1.5 \times IQR \\ \text{upper bound} = Q3 + 1.5 \times IQR \end{cases}$$

where

$Q1$ and $Q3$ correspond to the 25th and 75th percentiles of the sample, respectively, and IQR is the difference between these two values.

This test is complemented by an analysis of the evolution in the results over the past five editions and by a comparison with the evolution in the data used in the GCI that are not derived from the Survey. In addition, we examine the latest developments in all the countries identified as outliers by the tests that might help to explain such large swings.

Based on the IQR test, the 2012 Survey data collected in Ecuador, Georgia, Rwanda, and Sri Lanka deviate significantly from the 2011 results. The subsequent analysis revealed that this departure was not accompanied by a similar trend in indicators taken from other sources, and the recent developments in these countries do not seem to provide enough justification for the large swings observed. For these four countries, we therefore use only the 2011 Survey data in the computation of this year’s GCI. While this remains a remedial measure, we will continue to investigate the situation in an effort to improve the reliability of the Survey data in these countries. Last year, the same analysis resulted in the Survey data of six countries—Bosnia and Herzegovina, Kazakhstan, Morocco, Qatar, Saudi Arabia, and Slovenia—not being included in the analysis. This year, as an intermediate step toward the re-establishment of the standard computation method, we used a weighted average of the Survey data of 2010 and 2012 for these countries.

CONCLUSION

The Executive Opinion Survey remains the largest poll of its kind, collecting this year the insight of more than 14,000 executives into their business operating environment. This scale could not be achieved without the tremendous efforts of the Forum’s network of over 160 Partner Institutes in carrying out the Survey at a national level. It gathers valuable information on a broad range of variables for which data sources are scarce or nonexistent. For this reason, and for the integrity of our publications and related research, improving the sampling methodology and comparability of data across the globe remain an essential and ongoing endeavor of The Global Benchmarking Network.

NOTES

- 1 Although data were collected for almost 150 economies in 2012, following the editing process we used the 2012 data for 140 economies. Please see the data editing section for further details.

- 2 The World Economic Forum's Global Benchmarking Network would like to acknowledge e-Rewards Market Research for carrying out the Executive Opinion Survey 2012 in the United States, collecting over 450 surveys following the detailed sampling guidelines. Furthermore, e-Rewards supplemented the sample in Germany.
- 3 *Company size* is defined as the number of employees of the firm in the country of the Survey respondent. The company size value used for delineating the large and small company sample frames varies across countries. The size value tracks closely with the overall size of the economy. Adjustments were made to the value based on searches in company directories and data gathered through the administration of the Survey in past years.
- 4 In order to reach the required number of surveys in each country (80 for most economies and 300 for the BRIC countries and the United States), a Partner Institute uses the response rate from previous years.
- 5 The *results* are the *scores* obtained by each economy in the various questions of the Survey. The two terms are used interchangeably throughout the text.
- 6 The *completion rate* is the proportion of answered questions among the 130 core questions in the Survey instrument.
- 7 In some cases, the information about the company's sector of activity is missing. In these cases, for any given country when the sample includes at least one survey without sector information, the average response values across the surveys are apportioned to the other sectors according to the sample sizes in those other sectors. This has the effect of including these surveys on a one-for-one basis as they occur in the sample—that is, with no adjustment for sector.
- 8 Concretely, if the weight of an individual response exceeds 10 percent of the country sample, the sector-weighted average is abandoned for the benefit of a simple average.

Part 2

Data Presentation

2.1

Country/Economy Profiles

How to Read the Country/Economy Profiles

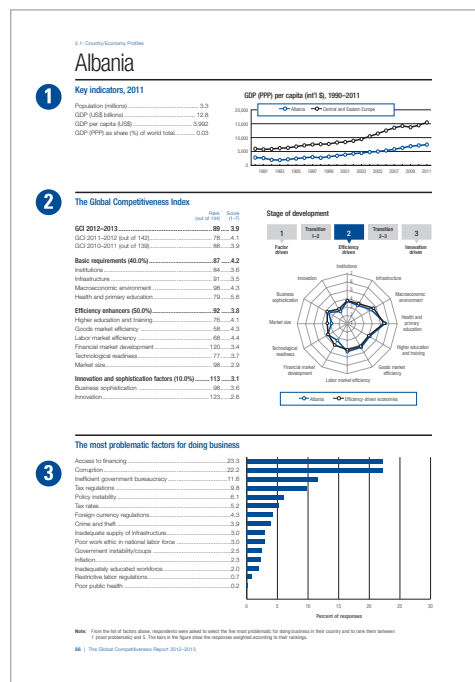
The Country/Economy Profiles section presents a two-page profile for each of the 144 economies covered in *The Global Competitiveness Report 2012–2013*.

PAGE 1

1 Key indicators

The first section presents a selection of key indicators for the economy under review:

- Population figures are from the *World Population Prospects: The 2010 Revision*, (CD-ROM edition), published by the United Nations' Department of Economic and Social Affairs, Population Division. The population figure for Taiwan, China, is sourced from Taiwan's National Statistics.
- Gross domestic product (GDP) data come from the April 2012 edition of the International Monetary Fund (IMF)'s *World Economic Outlook (WEO) Database*, with the exception of Puerto Rico, for which figures were calculated using national sources. Reported GDP and GDP per capita are valued at current prices.
- The chart on the upper right-hand side displays the evolution of GDP per capita at purchasing power parity (PPP) from 1990 through 2011 (or the period for which data are available) for the economy under review (blue line). The black line plots the GDP-weighted average of GDP per capita of the group of economies to which the economy under review belongs. We draw on the IMF classification, which divides the world into six regions: *Central and Eastern Europe; Commonwealth of Independent States (CIS)*, which includes Georgia and Mongolia although they are not members; *Developing Asia; Middle East and North Africa; Sub-Saharan Africa*; and *Latin America and the Caribbean*. The last group comprises *advanced economies*. GDP figures come from the WEO database. For more information regarding the classification and the data, visit www.imf.org/weo. Note that no data are available for Puerto Rico.



2 Global Competitiveness Index

This section details the economy's performance on the various components of the Global Competitiveness Index (GCI). The first column shows the country's rank among the 144 economies, while the second column presents the score. The percentage contribution to the overall GCI score of each subindex score is reported next to the subindex name. These weights vary depending on the country's stage of development. For more information on the methodology of the GCI, refer to Chapter 1.1. On the right-hand side, a chart shows the country's performance in the 12 pillars of the GCI (blue line) measured against the average scores across all the economies in the same stage of development (black line).

3 The most problematic factors for doing business

This chart summarizes those factors seen by business executives as the most problematic for doing business in their economy. The information is drawn from the 2012 edition of the World Economic Forum's Executive Opinion Survey (Survey). From a list of 16 factors, respondents were asked to select the five most

problematic and rank them from 1 (most problematic) to 5. The results were then tabulated and weighted according to the ranking assigned by respondents. For Ecuador, Georgia, Rwanda, and Sri Lanka, we use data from the 2011 edition of the Survey. For these countries, the list comprises only 15 factors—one less than in the 2012 edition. See Chapter 1.3 for details. Due to a logistical issue, the results for Albania were also based on the same list of 15 factors, although the data were collected in 2012.

PAGE 2

4 The Global Competitiveness Index in detail

This page details the country's performance on each of the indicators entering the composition of the GCI. Indicators are organized by pillar. For indicators entering at the GCI in two different pillars, only the first instance is shown on this page.

- **INDICATOR, UNITS:** This column contains the title of each indicator and, where relevant, the units in which it is measured—for example, “days” or “% GDP.” Indicators that are not derived from the Survey are identified by an asterisk (*). Indicators derived from the Survey are always expressed as scores on a 1–7 scale, with 7 being the most desirable outcome.
- **VALUE:** This column reports the country's score on each indicator.
- **RANK/144:** This column reports the country's position among the 144 economies covered by the GCI 2012–2013. The ranks of those indicators that constitute a notable competitive advantage are highlighted in blue bold typeface (except for inflation). Competitive advantages are defined as follows:

- For those economies ranked in the top 10 in the overall GCI, individual indicators ranked from 1 through 10 are considered to be advantages. For instance, in the case of Germany—which is ranked 6th overall—its 7th rank on indicator 1.06 *Judicial independence* makes this indicator a competitive advantage.
- For those economies ranked from 11 through 50 in the overall GCI, variables ranked higher than the economy's own rank are considered to be advantages. In the case of Iceland, ranked 30th overall, its rank of 12 on indicator 7.08 *Female participation in labor force* makes this indicator a competitive advantage.

The screenshot shows a detailed table of indicators for Albania, organized into pillars. The indicators are listed with their titles, values, and ranks. The table is divided into several sections: 1st pillar (Macroeconomic assessment), 2nd pillar (Infrastructure), 3rd pillar (Macroeconomic assessment), 4th pillar (Health and primary education), 5th pillar (Higher education and training), 6th pillar (Social infrastructure), 7th pillar (Labor market efficiency), 8th pillar (Financial market development), 9th pillar (Technological readiness), 10th pillar (Market size), 11th pillar (Business sophistication), and 12th pillar (Innovation). The table includes a mix of indicators related to infrastructure, macroeconomics, education, labor market, financial markets, technology, and innovation.

- For those economies ranked lower than 50 in the overall GCI, any individual indicators ranked higher than 51 are considered to be advantages. For Mauritius, ranked 54th overall, indicator 6.06 *Number of procedures to start a business*, where the country ranks 29th, constitutes a competitive advantage.

For further analysis, the data tables in the following section of the *Report* provide ranks, values, and the year of each data point, indicator by indicator.

ONLINE DATA PORTAL

In addition to the analysis presented in this Report, an interactive data platform can be accessed via www.weforum.org/gcr. The platform offers a number of analytical and visualization tools, including sortable rankings, scatter plots, bar charts, and maps, as well as the possibility of downloading portions of the GCI data set.

Index of Country/Economy Profiles

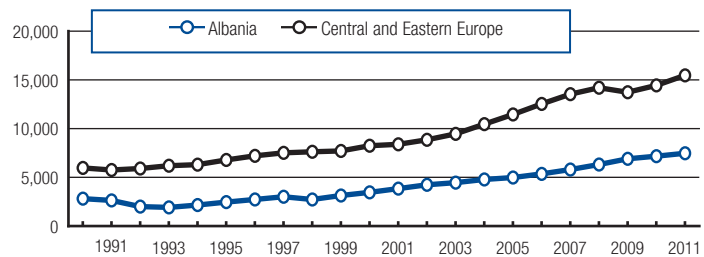
| Country/Economy | Page | Country/Economy | Page | Country/Economy | Page |
|------------------------|------|--------------------|------|----------------------|------|
| Albania | 86 | Guatemala | 182 | Nigeria | 278 |
| Algeria | 88 | Guinea | 184 | Norway | 280 |
| Argentina | 90 | Guyana | 186 | Oman | 282 |
| Armenia | 92 | Haiti | 188 | Pakistan | 284 |
| Australia | 94 | Honduras | 190 | Panama | 286 |
| Austria | 96 | Hong Kong SAR | 192 | Paraguay | 288 |
| Azerbaijan | 98 | Hungary | 194 | Peru | 290 |
| Bahrain | 100 | Iceland | 196 | Philippines | 292 |
| Bangladesh | 102 | India | 198 | Poland | 294 |
| Barbados | 104 | Indonesia | 200 | Portugal | 296 |
| Belgium | 106 | Iran, Islamic Rep. | 202 | Puerto Rico | 298 |
| Benin | 108 | Ireland | 204 | Qatar | 300 |
| Bolivia | 110 | Israel | 206 | Romania | 302 |
| Bosnia and Herzegovina | 112 | Italy | 208 | Russian Federation | 304 |
| Botswana | 114 | Jamaica | 210 | Rwanda | 306 |
| Brazil | 116 | Japan | 212 | Saudi Arabia | 308 |
| Brunei Darussalam | 118 | Jordan | 214 | Senegal | 310 |
| Bulgaria | 120 | Kazakhstan | 216 | Serbia | 312 |
| Burkina Faso | 122 | Kenya | 218 | Seychelles | 314 |
| Burundi | 124 | Korea, Rep. | 220 | Sierra Leone | 316 |
| Cambodia | 126 | Kuwait | 222 | Singapore | 318 |
| Cameroon | 128 | Kyrgyz Republic | 224 | Slovak Republic | 320 |
| Canada | 130 | Latvia | 226 | Slovenia | 322 |
| Cape Verde | 132 | Lebanon | 228 | South Africa | 324 |
| Chad | 134 | Lesotho | 230 | Spain | 326 |
| Chile | 136 | Liberia | 232 | Sri Lanka | 328 |
| China | 138 | Libya | 234 | Suriname | 330 |
| Colombia | 140 | Lithuania | 236 | Swaziland | 332 |
| Costa Rica | 142 | Luxembourg | 238 | Sweden | 334 |
| Côte d'Ivoire | 144 | Macedonia, FYR | 240 | Switzerland | 336 |
| Croatia | 146 | Madagascar | 242 | Taiwan, China | 338 |
| Cyprus | 148 | Malawi | 244 | Tajikistan | 340 |
| Czech Republic | 150 | Malaysia | 246 | Tanzania | 342 |
| Denmark | 152 | Mali | 248 | Thailand | 344 |
| Dominican Republic | 154 | Malta | 250 | Timor-Leste | 346 |
| Ecuador | 156 | Mauritania | 252 | Trinidad and Tobago | 348 |
| Egypt | 158 | Mauritius | 254 | Turkey | 350 |
| El Salvador | 160 | Mexico | 256 | Uganda | 352 |
| Estonia | 162 | Moldova | 258 | Ukraine | 354 |
| Ethiopia | 164 | Mongolia | 260 | United Arab Emirates | 356 |
| Finland | 166 | Montenegro | 262 | United Kingdom | 358 |
| France | 168 | Morocco | 264 | United States | 360 |
| Gabon | 170 | Mozambique | 266 | Uruguay | 362 |
| Gambia, The | 172 | Namibia | 268 | Venezuela | 364 |
| Georgia | 174 | Nepal | 270 | Vietnam | 366 |
| Germany | 176 | Netherlands | 272 | Yemen | 368 |
| Ghana | 178 | New Zealand | 274 | Zambia | 370 |
| Greece | 180 | Nicaragua | 276 | Zimbabwe | 372 |

Albania

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.3 |
| GDP (US\$ billions)..... | 12.8 |
| GDP per capita (US\$)..... | 3,992 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

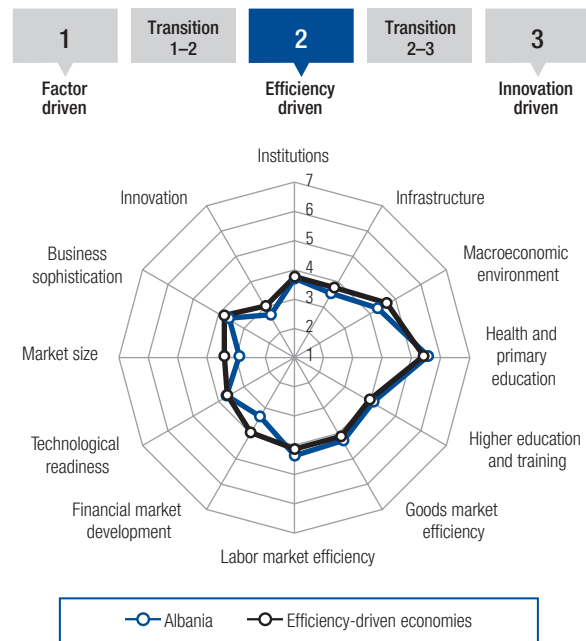
GDP (PPP) per capita (int'l \$), 1990–2011



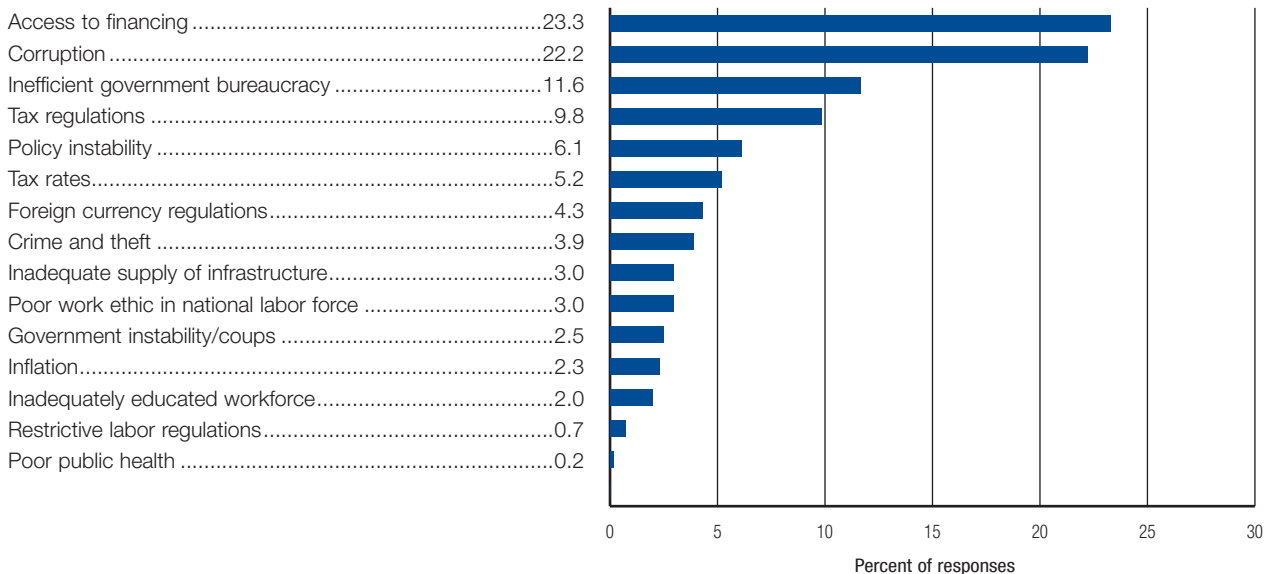
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 89 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 78 | 4.1 |
| GCI 2010–2011 (out of 139)..... | 88 | 3.9 |
| Basic requirements (40.0%) | 87 | 4.2 |
| Institutions..... | 84 | 3.6 |
| Infrastructure..... | 91 | 3.5 |
| Macroeconomic environment..... | 98 | 4.3 |
| Health and primary education..... | 79 | 5.6 |
| Efficiency enhancers (50.0%) | 92 | 3.8 |
| Higher education and training..... | 76 | 4.1 |
| Goods market efficiency..... | 58 | 4.3 |
| Labor market efficiency..... | 68 | 4.4 |
| Financial market development..... | 120 | 3.4 |
| Technological readiness..... | 77 | 3.7 |
| Market size..... | 98 | 2.9 |
| Innovation and sophistication factors (10.0%) | 113 | 3.1 |
| Business sophistication..... | 98 | 3.6 |
| Innovation..... | 123 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.1 | 129 | 6.01 | Intensity of local competition | 3.9 | 128 |
| 1.02 | Intellectual property protection | 3.0 | 103 | 6.02 | Extent of market dominance | 3.3 | 100 |
| 1.03 | Diversion of public funds | 2.8 | 97 | 6.03 | Effectiveness of anti-monopoly policy | 3.6 | 99 |
| 1.04 | Public trust in politicians | 2.6 | 75 | 6.04 | Extent and effect of taxation | 3.9 | 42 |
| 1.05 | Irregular payments and bribes | 3.6 | 84 | 6.05 | Total tax rate, % profits* | 38.5 | 71 |
| 1.06 | Judicial independence | 2.6 | 121 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 84 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 3.3 | 66 | 6.08 | Agricultural policy costs | 3.6 | 92 |
| 1.09 | Burden of government regulation | 4.1 | 26 | 6.09 | Prevalence of trade barriers | 4.5 | 63 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 98 | 6.10 | Trade tariffs, % duty* | 3.1 | 46 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 93 | 6.11 | Prevalence of foreign ownership | 4.1 | 103 |
| 1.12 | Transparency of government policymaking | 4.3 | 67 | 6.12 | Business impact of rules on FDI | 4.7 | 66 |
| 1.13 | Gov't services for improved business performance | n/a | n/a | 6.13 | Burden of customs procedures | 3.7 | 92 |
| 1.14 | Business costs of terrorism | 5.6 | 69 | 6.14 | Imports as a percentage of GDP* | 60.0 | 42 |
| 1.15 | Business costs of crime and violence | 4.7 | 80 | 6.15 | Degree of customer orientation | 5.0 | 38 |
| 1.16 | Organized crime | 4.7 | 99 | 6.16 | Buyer sophistication | 3.5 | 62 |
| 1.17 | Reliability of police services | 4.0 | 77 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.9 | 71 | 7.01 | Cooperation in labor-employer relations | 4.8 | 30 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 101 | 7.02 | Flexibility of wage determination | 4.7 | 95 |
| 1.20 | Efficacy of corporate boards | 4.7 | 56 | 7.03 | Hiring and firing practices | 4.7 | 26 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 70 | 7.04 | Redundancy costs, weeks of salary* | 21 | 94 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.3 | 16 | 7.05 | Pay and productivity | 4.4 | 33 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 73 | |
| 2.01 | Quality of overall infrastructure | 4.2 | 77 | 7.07 | Brain drain | 3.1 | 96 |
| 2.02 | Quality of roads | 4.3 | 59 | 7.08 | Women in labor force, ratio to men* | 0.72 | 92 |
| 2.03 | Quality of railroad infrastructure | 1.2 | 119 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 96 | 8.01 | Availability of financial services | 3.8 | 108 |
| 2.05 | Quality of air transport infrastructure | 4.8 | 66 | 8.02 | Affordability of financial services | 3.3 | 125 |
| 2.06 | Available airline seat kms/week, millions* | 22.4 | 118 | 8.03 | Financing through local equity market | 1.6 | 143 |
| 2.07 | Quality of electricity supply | 4.8 | 71 | 8.04 | Ease of access to loans | 1.8 | 136 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 96.4 | 92 | 8.05 | Venture capital availability | 1.8 | 132 |
| 2.09 | Fixed telephone lines/100 pop.* | 10.5 | 91 | 8.06 | Soundness of banks | 4.2 | 124 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.2 | 141 | |
| 3.01 | Government budget balance, % GDP* | -3.5 | 80 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 11.8 | 116 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 43 | 9.01 | Availability of latest technologies | 4.4 | 106 |
| 3.04 | General government debt, % GDP* | 58.9 | 104 | 9.02 | Firm-level technology absorption | 4.6 | 80 |
| 3.05 | Country credit rating, 0-100 (best)* | 38.9 | 81 | 9.03 | FDI and technology transfer | 4.7 | 62 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 49.0 | 57 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.3 | 77 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 19.0 | 62 |
| 4.03 | Business impact of tuberculosis | 6.7 | 5 | 9.07 | Mobile broadband subscriptions/100 pop.* | 8.8 | 72 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 14.0 | 34 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.6 | 4 | 10.01 | Domestic market size index, 1-7 (best)* | 2.7 | 97 |
| 4.06 | HIV prevalence, % adult pop.* | <0.1 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 3.3 | 109 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 16.4 | 73 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.9 | 38 | 11.01 | Local supplier quantity | 3.9 | 128 |
| 4.09 | Quality of primary education | 4.4 | 47 | 11.02 | Local supplier quality | 3.9 | 115 |
| 4.10 | Primary education enrollment, net %* | 79.9 | 125 | 11.03 | State of cluster development | 2.0 | 144 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.9 | 110 | |
| 5.01 | Secondary education enrollment, gross %* | 88.9 | 69 | 11.05 | Value chain breadth | 2.6 | 134 |
| 5.02 | Tertiary education enrollment, gross %* | 18.4 | 93 | 11.06 | Control of international distribution | 4.4 | 37 |
| 5.03 | Quality of the educational system | 4.0 | 52 | 11.07 | Production process sophistication | 3.8 | 60 |
| 5.04 | Quality of math and science education | 4.5 | 40 | 11.08 | Extent of marketing | 4.5 | 42 |
| 5.05 | Quality of management schools | 4.3 | 61 | 11.09 | Willingness to delegate authority | 3.9 | 49 |
| 5.06 | Internet access in schools | 4.5 | 54 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 118 | 12.01 | Capacity for innovation | 2.4 | 128 |
| 5.08 | Extent of staff training | 4.4 | 36 | 12.02 | Quality of scientific research institutions | 2.4 | 132 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 83 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.3 | 138 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 46 |
| | | | | 12.06 | Availability of scientists and engineers | 3.3 | 123 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

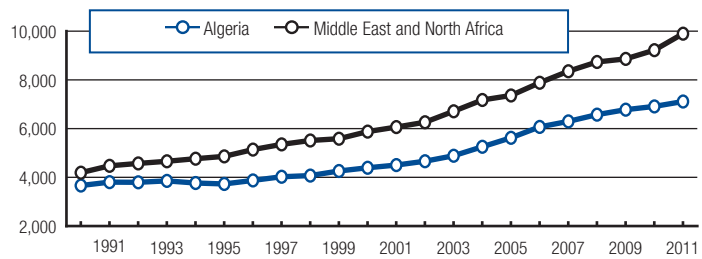
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Algeria

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 36.2 |
| GDP (US\$ billions)..... | 190.7 |
| GDP per capita (US\$)..... | 5,304 |
| GDP (PPP) as share (%) of world total..... | 0.33 |

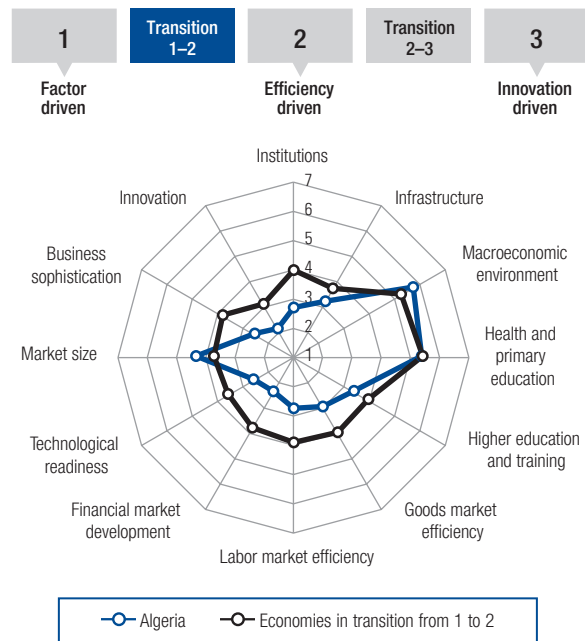
GDP (PPP) per capita (int'l \$), 1990–2011



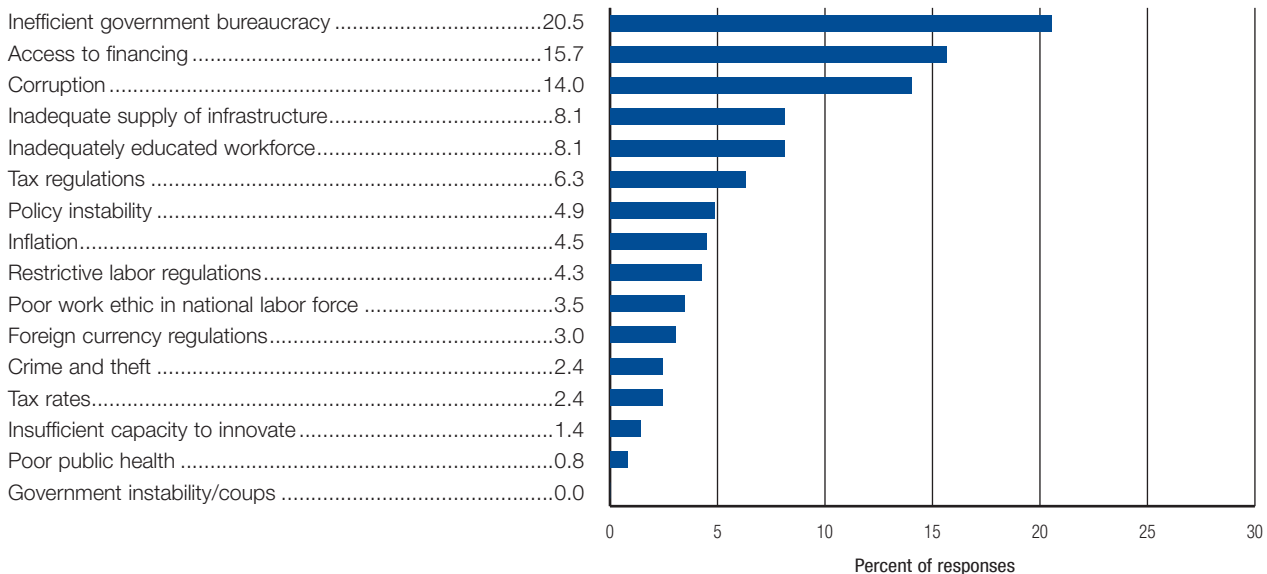
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 110 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 87 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 86 | 4.0 |
| Basic requirements (59.1%) | 89 | 4.2 |
| Institutions..... | 141 | 2.7 |
| Infrastructure..... | 100 | 3.2 |
| Macroeconomic environment..... | 23 | 5.7 |
| Health and primary education..... | 93 | 5.4 |
| Efficiency enhancers (35.7%) | 136 | 3.1 |
| Higher education and training..... | 108 | 3.4 |
| Goods market efficiency..... | 143 | 3.0 |
| Labor market efficiency..... | 144 | 2.8 |
| Financial market development..... | 142 | 2.4 |
| Technological readiness..... | 133 | 2.6 |
| Market size..... | 49 | 4.3 |
| Innovation and sophistication factors (5.2%) | 144 | 2.3 |
| Business sophistication..... | 144 | 2.5 |
| Innovation..... | 141 | 2.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.5 | 140 | 6.01 | Intensity of local competition | 3.1 | 144 |
| 1.02 | Intellectual property protection | 1.8 | 142 | 6.02 | Extent of market dominance | 2.8 | 137 |
| 1.03 | Diversion of public funds | 2.2 | 131 | 6.03 | Effectiveness of anti-monopoly policy | 2.9 | 140 |
| 1.04 | Public trust in politicians | 1.8 | 129 | 6.04 | Extent and effect of taxation | 3.2 | 101 |
| 1.05 | Irregular payments and bribes | 2.6 | 135 | 6.05 | Total tax rate, % profits* | 72.0 | 135 |
| 1.06 | Judicial independence | 2.5 | 123 | 6.06 | No. procedures to start a business* | 14 | 134 |
| 1.07 | Favoritism in decisions of government officials | 2.2 | 134 | 6.07 | No. days to start a business* | 25 | 92 |
| 1.08 | Wastefulness of government spending | 2.4 | 116 | 6.08 | Agricultural policy costs | 3.2 | 124 |
| 1.09 | Burden of government regulation | 2.3 | 140 | 6.09 | Prevalence of trade barriers | 3.0 | 141 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.6 | 132 | 6.10 | Trade tariffs, % duty* | 14.0 | 132 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.5 | 137 | 6.11 | Prevalence of foreign ownership | 3.3 | 136 |
| 1.12 | Transparency of government policymaking | 2.6 | 144 | 6.12 | Business impact of rules on FDI | 3.2 | 138 |
| 1.13 | Gov't services for improved business performance | 2.8 | 124 | 6.13 | Burden of customs procedures | 2.5 | 141 |
| 1.14 | Business costs of terrorism | 3.5 | 140 | 6.14 | Imports as a percentage of GDP* | 32.4 | 111 |
| 1.15 | Business costs of crime and violence | 3.6 | 119 | 6.15 | Degree of customer orientation | 3.0 | 144 |
| 1.16 | Organized crime | 3.3 | 137 | 6.16 | Buyer sophistication | 2.4 | 131 |
| 1.17 | Reliability of police services | 3.0 | 121 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 2.6 | 143 | 7.01 | Cooperation in labor-employer relations | 2.9 | 143 |
| 1.19 | Strength of auditing and reporting standards | 2.8 | 143 | 7.02 | Flexibility of wage determination | 4.0 | 125 |
| 1.20 | Efficacy of corporate boards | 3.1 | 143 | 7.03 | Hiring and firing practices | 3.3 | 112 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 136 | 7.04 | Redundancy costs, weeks of salary* | 17 | 81 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 2.4 | 144 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 2.3 | 144 | |
| 2.01 | Quality of overall infrastructure | 3.5 | 102 | 7.07 | Brain drain | 1.5 | 144 |
| 2.02 | Quality of roads | 3.4 | 88 | 7.08 | Women in labor force, ratio to men* | 0.21 | 144 |
| 2.03 | Quality of railroad infrastructure | 2.0 | 90 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.7 | 131 | 8.01 | Availability of financial services | 2.6 | 143 |
| 2.05 | Quality of air transport infrastructure | 3.3 | 125 | 8.02 | Affordability of financial services | 2.0 | 144 |
| 2.06 | Available airline seat kms/week, millions* | 146.0 | 72 | 8.03 | Financing through local equity market | 2.2 | 131 |
| 2.07 | Quality of electricity supply | 4.5 | 80 | 8.04 | Ease of access to loans | 2.0 | 128 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 99.0 | 87 | 8.05 | Venture capital availability | 1.8 | 138 |
| 2.09 | Fixed telephone lines/100 pop.* | 8.5 | 98 | 8.06 | Soundness of banks | 2.9 | 143 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.3 | 140 | |
| 3.01 | Government budget balance, % GDP* | -3.6 | 82 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 50.1 | 6 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.5 | 68 | 9.01 | Availability of latest technologies | 3.4 | 142 |
| 3.04 | General government debt, % GDP* | 9.9 | 11 | 9.02 | Firm-level technology absorption | 3.2 | 144 |
| 3.05 | Country credit rating, 0-100 (best)* | 53.7 | 59 | 9.03 | FDI and technology transfer | 3.4 | 140 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 14.0 | 110 | |
| 4.01 | Business impact of malaria | 5.5 | 91 | 9.05 | Broadband Internet subscriptions/100 pop.* | 2.8 | 87 |
| 4.02 | Malaria cases/100,000 pop.* | 0.0 | 72 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 8.9 | 89 |
| 4.03 | Business impact of tuberculosis | 5.2 | 80 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 90.0 | 88 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.3 | 69 | 10.01 | Domestic market size index, 1-7 (best)* | 4.2 | 47 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 49 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 30.5 | 102 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 72.9 | 83 | 11.01 | Local supplier quantity | 4.0 | 124 |
| 4.09 | Quality of primary education | 2.4 | 129 | 11.02 | Local supplier quality | 3.4 | 137 |
| 4.10 | Primary education enrollment, net %* | 95.6 | 49 | 11.03 | State of cluster development | 2.4 | 139 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.0 | 144 | |
| 5.01 | Secondary education enrollment, gross %* | 94.9 | 52 | 11.05 | Value chain breadth | 2.2 | 143 |
| 5.02 | Tertiary education enrollment, gross %* | 30.8 | 74 | 11.06 | Control of international distribution | 2.5 | 144 |
| 5.03 | Quality of the educational system | 2.5 | 131 | 11.07 | Production process sophistication | 2.3 | 141 |
| 5.04 | Quality of math and science education | 2.7 | 129 | 11.08 | Extent of marketing | 2.3 | 143 |
| 5.05 | Quality of management schools | 3.0 | 131 | 11.09 | Willingness to delegate authority | 1.9 | 144 |
| 5.06 | Internet access in schools | 2.4 | 132 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.8 | 138 | 12.01 | Capacity for innovation | 1.9 | 143 |
| 5.08 | Extent of staff training | 2.6 | 142 | 12.02 | Quality of scientific research institutions | 2.1 | 141 |
| | | | | 12.03 | Company spending on R&D | 1.8 | 143 |
| | | | | 12.04 | University-industry collaboration in R&D | 1.9 | 144 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.2 | 142 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 72 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 91 |

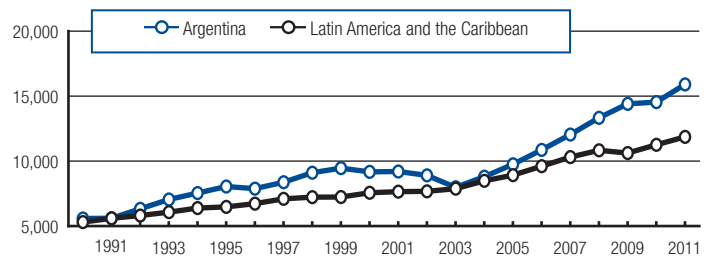
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Argentina

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 41.8 |
| GDP (US\$ billions)..... | 447.6 |
| GDP per capita (US\$)..... | 10,945 |
| GDP (PPP) as share (%) of world total..... | 0.91 |

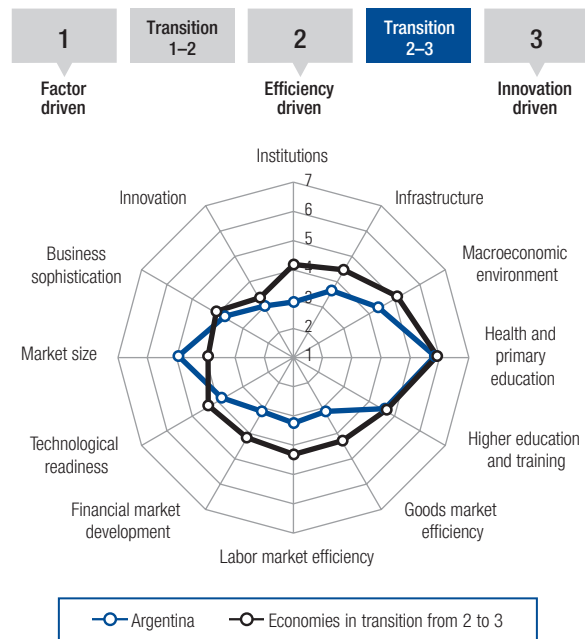
GDP (PPP) per capita (int'l \$), 1990–2011



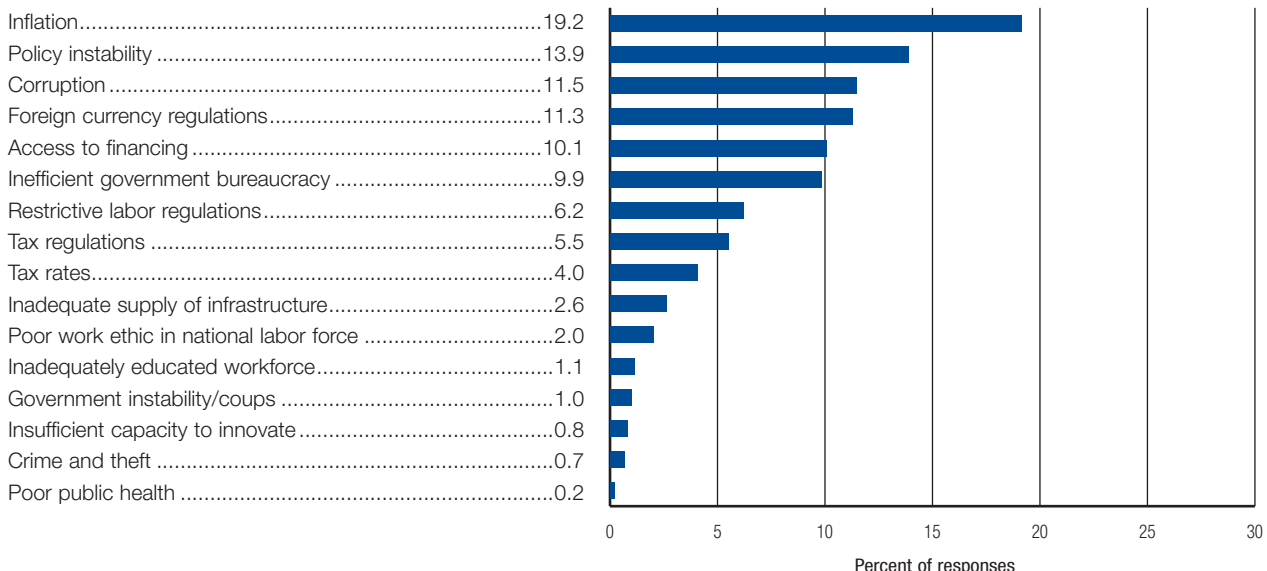
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 94 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 85 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 87 | 3.9 |
| Basic requirements (35.1%) | 96 | 4.1 |
| Institutions..... | 138 | 2.8 |
| Infrastructure..... | 86 | 3.6 |
| Macroeconomic environment..... | 94 | 4.3 |
| Health and primary education..... | 59 | 5.8 |
| Efficiency enhancers (50.0%) | 86 | 3.8 |
| Higher education and training..... | 53 | 4.6 |
| Goods market efficiency..... | 140 | 3.2 |
| Labor market efficiency..... | 140 | 3.3 |
| Financial market development..... | 131 | 3.2 |
| Technological readiness..... | 67 | 3.8 |
| Market size..... | 23 | 4.9 |
| Innovation and sophistication factors (14.9%) | 88 | 3.3 |
| Business sophistication..... | 89 | 3.7 |
| Innovation..... | 91 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Argentina

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.6 | 135 | 6.01 | Intensity of local competition | 4.1 | 117 |
| 1.02 | Intellectual property protection | 2.4 | 134 | 6.02 | Extent of market dominance | 3.3 | 101 |
| 1.03 | Diversion of public funds | 1.9 | 140 | 6.03 | Effectiveness of anti-monopoly policy | 3.0 | 136 |
| 1.04 | Public trust in politicians | 1.5 | 143 | 6.04 | Extent and effect of taxation | 2.3 | 136 |
| 1.05 | Irregular payments and bribes | 2.9 | 126 | 6.05 | Total tax rate, % profits* | 108.2 | 140 |
| 1.06 | Judicial independence | 2.3 | 133 | 6.06 | No. procedures to start a business* | 14 | 134 |
| 1.07 | Favoritism in decisions of government officials | 1.9 | 143 | 6.07 | No. days to start a business* | 26 | 93 |
| 1.08 | Wastefulness of government spending | 2.0 | 136 | 6.08 | Agricultural policy costs | 3.0 | 132 |
| 1.09 | Burden of government regulation | 2.5 | 134 | 6.09 | Prevalence of trade barriers | 2.2 | 144 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 129 | 6.10 | Trade tariffs, % duty* | 10.9 | 112 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.1 | 142 | 6.11 | Prevalence of foreign ownership | 4.9 | 58 |
| 1.12 | Transparency of government policymaking | 3.2 | 137 | 6.12 | Business impact of rules on FDI | 2.7 | 142 |
| 1.13 | Gov't services for improved business performance | 2.1 | 135 | 6.13 | Burden of customs procedures | 2.3 | 143 |
| 1.14 | Business costs of terrorism | 6.0 | 42 | 6.14 | Imports as a percentage of GDP* | 20.1 | 138 |
| 1.15 | Business costs of crime and violence | 3.8 | 115 | 6.15 | Degree of customer orientation | 3.6 | 136 |
| 1.16 | Organized crime | 4.1 | 120 | 6.16 | Buyer sophistication | 3.5 | 66 |
| 1.17 | Reliability of police services | 2.9 | 131 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.0 | 138 | 7.01 | Cooperation in labor-employer relations | 3.3 | 135 |
| 1.19 | Strength of auditing and reporting standards | 3.8 | 120 | 7.02 | Flexibility of wage determination | 2.6 | 141 |
| 1.20 | Efficacy of corporate boards | 4.1 | 107 | 7.03 | Hiring and firing practices | 2.7 | 139 |
| 1.21 | Protection of minority shareholders' interests | 3.4 | 128 | 7.04 | Redundancy costs, weeks of salary* | 30 | 126 |
| 1.22 | Strength of investor protection, 0–10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 2.8 | 138 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 53 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 112 | 7.07 | Brain drain | 3.4 | 68 |
| 2.02 | Quality of roads | 3.0 | 106 | 7.08 | Women in labor force, ratio to men* | 0.67 | 101 |
| 2.03 | Quality of railroad infrastructure | 1.7 | 103 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 101 | 8.01 | Availability of financial services | 3.4 | 129 |
| 2.05 | Quality of air transport infrastructure | 3.5 | 115 | 8.02 | Affordability of financial services | 3.1 | 136 |
| 2.06 | Available airline seat kms/week, millions* | 772.3 | 30 | 8.03 | Financing through local equity market | 2.5 | 123 |
| 2.07 | Quality of electricity supply | 3.5 | 108 | 8.04 | Ease of access to loans | 1.7 | 139 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 134.9 | 26 | 8.05 | Venture capital availability | 1.8 | 135 |
| 2.09 | Fixed telephone lines/100 pop.* | 24.9 | 50 | 8.06 | Soundness of banks | 4.5 | 107 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 104 | |
| 3.01 | Government budget balance, % GDP* | -3.3 | 74 | 8.08 | Legal rights index, 0–10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 22.0 | 59 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 9.8 | 122 | 9.01 | Availability of latest technologies | 4.3 | 109 |
| 3.04 | General government debt, % GDP* | 44.2 | 83 | 9.02 | Firm-level technology absorption | 4.3 | 106 |
| 3.05 | Country credit rating, 0–100 (best)* | 37.4 | 84 | 9.03 | FDI and technology transfer | 3.6 | 132 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 47.7 | 60 | |
| 4.01 | Business impact of malaria | 6.7 | 72 | 9.05 | Broadband Internet subscriptions/100 pop.* | 10.5 | 56 |
| 4.02 | Malaria cases/100,000 pop.* | 0.7 | 78 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 25.7 | 50 |
| 4.03 | Business impact of tuberculosis | 6.3 | 28 | 9.07 | Mobile broadband subscriptions/100 pop.* | 11.7 | 65 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 27.0 | 54 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 54 | 10.01 | Domestic market size index, 1–7 (best)* | 4.9 | 21 |
| 4.06 | HIV prevalence, % adult pop.* | 0.5 | 87 | 10.02 | Foreign market size index, 1–7 (best)* | 5.1 | 38 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 12.3 | 61 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.6 | 46 | 11.01 | Local supplier quantity | 4.4 | 100 |
| 4.09 | Quality of primary education | 3.2 | 106 | 11.02 | Local supplier quality | 4.1 | 100 |
| 4.10 | Primary education enrollment, net %* | 99.1 | 16 | 11.03 | State of cluster development | 3.3 | 93 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.4 | 141 | |
| 5.01 | Secondary education enrollment, gross %* | 88.5 | 73 | 11.05 | Value chain breadth | 3.4 | 92 |
| 5.02 | Tertiary education enrollment, gross %* | 71.2 | 20 | 11.06 | Control of international distribution | 3.8 | 91 |
| 5.03 | Quality of the educational system | 3.4 | 89 | 11.07 | Production process sophistication | 3.9 | 58 |
| 5.04 | Quality of math and science education | 3.1 | 115 | 11.08 | Extent of marketing | 4.4 | 49 |
| 5.05 | Quality of management schools | 4.9 | 34 | 11.09 | Willingness to delegate authority | 3.6 | 83 |
| 5.06 | Internet access in schools | 3.7 | 87 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 60 | 12.01 | Capacity for innovation | 2.9 | 95 |
| 5.08 | Extent of staff training | 3.8 | 78 | 12.02 | Quality of scientific research institutions | 4.1 | 47 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 91 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 57 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.6 | 131 |
| | | | | 12.06 | Availability of scientists and engineers | 3.9 | 80 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.1 | 66 |

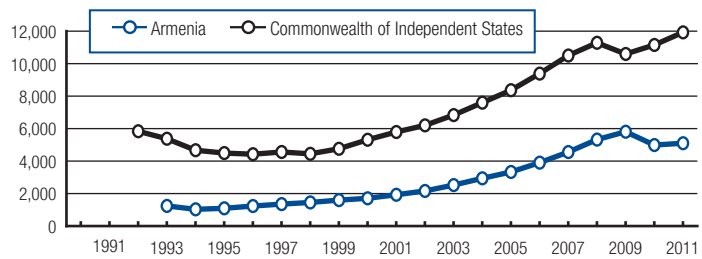
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Armenia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.2 |
| GDP (US\$ billions)..... | 10.1 |
| GDP per capita (US\$)..... | 3,033 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

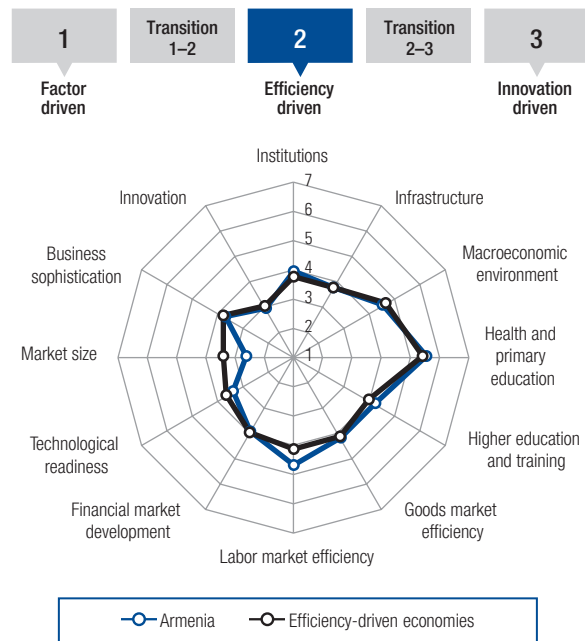
GDP (PPP) per capita (int'l \$), 1990–2011



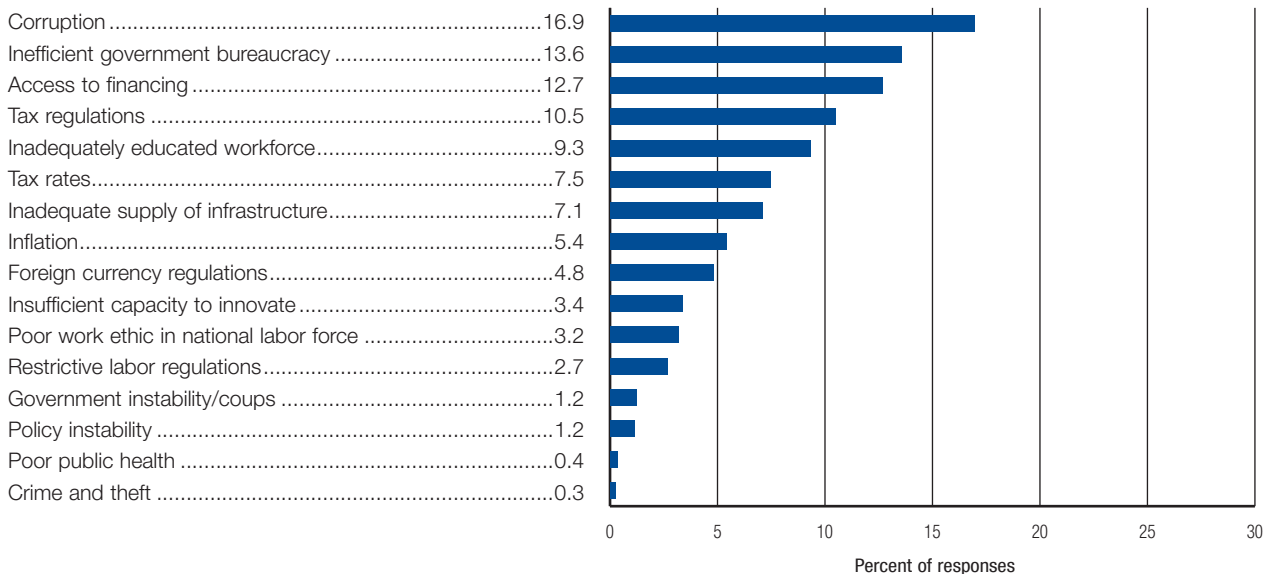
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 82 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 92 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 98 | 3.8 |
| Basic requirements (40.0%) | 76 | 4.4 |
| Institutions..... | 71 | 3.9 |
| Infrastructure..... | 80 | 3.7 |
| Macroeconomic environment..... | 83 | 4.5 |
| Health and primary education..... | 80 | 5.5 |
| Efficiency enhancers (50.0%) | 82 | 3.9 |
| Higher education and training..... | 70 | 4.2 |
| Goods market efficiency..... | 72 | 4.2 |
| Labor market efficiency..... | 30 | 4.7 |
| Financial market development..... | 78 | 4.0 |
| Technological readiness..... | 92 | 3.4 |
| Market size..... | 115 | 2.6 |
| Innovation and sophistication factors (10.0%) | 98 | 3.3 |
| Business sophistication..... | 92 | 3.7 |
| Innovation..... | 105 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Armenia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 64 | 6.01 | Intensity of local competition | 3.8 | 130 |
| 1.02 | Intellectual property protection | 3.4 | 80 | 6.02 | Extent of market dominance | 3.4 | 90 |
| 1.03 | Diversion of public funds | 3.0 | 81 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 116 |
| 1.04 | Public trust in politicians | 2.8 | 71 | 6.04 | Extent and effect of taxation | 3.8 | 45 |
| 1.05 | Irregular payments and bribes | 3.7 | 82 | 6.05 | Total tax rate, % profits* | 40.9 | 79 |
| 1.06 | Judicial independence | 2.8 | 110 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 75 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.6 | 45 | 6.08 | Agricultural policy costs | 4.2 | 44 |
| 1.09 | Burden of government regulation | 3.8 | 41 | 6.09 | Prevalence of trade barriers | 4.0 | 99 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 75 | 6.10 | Trade tariffs, % duty* | 2.2 | 38 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 79 | 6.11 | Prevalence of foreign ownership | 4.3 | 97 |
| 1.12 | Transparency of government policymaking | 5.2 | 16 | 6.12 | Business impact of rules on FDI | 4.5 | 85 |
| 1.13 | Gov't services for improved business performance | 4.3 | 31 | 6.13 | Burden of customs procedures | 3.2 | 127 |
| 1.14 | Business costs of terrorism | 6.5 | 8 | 6.14 | Imports as a percentage of GDP* | 52.1 | 59 |
| 1.15 | Business costs of crime and violence | 5.9 | 13 | 6.15 | Degree of customer orientation | 4.4 | 98 |
| 1.16 | Organized crime | 5.7 | 52 | 6.16 | Buyer sophistication | 3.5 | 64 |
| 1.17 | Reliability of police services | 3.8 | 93 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 91 | 7.01 | Cooperation in labor-employer relations | 4.8 | 34 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 77 | 7.02 | Flexibility of wage determination | 5.6 | 21 |
| 1.20 | Efficacy of corporate boards | 4.1 | 110 | 7.03 | Hiring and firing practices | 5.0 | 10 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 104 | 7.04 | Redundancy costs, weeks of salary* | 11 | 46 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.4 | 31 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 91 | |
| 2.01 | Quality of overall infrastructure | 4.3 | 71 | 7.07 | Brain drain | 3.2 | 88 |
| 2.02 | Quality of roads | 3.7 | 80 | 7.08 | Women in labor force, ratio to men* | 0.74 | 88 |
| 2.03 | Quality of railroad infrastructure | 2.6 | 63 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.0 | 127 | 8.01 | Availability of financial services | 4.5 | 76 |
| 2.05 | Quality of air transport infrastructure | 4.7 | 69 | 8.02 | Affordability of financial services | 4.5 | 48 |
| 2.06 | Available airline seat kms/week, millions* | 49.4 | 96 | 8.03 | Financing through local equity market | 2.7 | 115 |
| 2.07 | Quality of electricity supply | 4.9 | 69 | 8.04 | Ease of access to loans | 2.8 | 69 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 103.6 | 80 | 8.05 | Venture capital availability | 2.4 | 89 |
| 2.09 | Fixed telephone lines/100 pop.* | 18.6 | 70 | 8.06 | Soundness of banks | 5.5 | 51 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 106 | |
| 3.01 | Government budget balance, % GDP* | -2.7 | 66 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 18.7 | 77 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.7 | 105 | 9.01 | Availability of latest technologies | 4.5 | 101 |
| 3.04 | General government debt, % GDP* | 35.1 | 57 | 9.02 | Firm-level technology absorption | 4.4 | 96 |
| 3.05 | Country credit rating, 0-100 (best)* | 35.9 | 89 | 9.03 | FDI and technology transfer | 4.8 | 57 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 15.3 | 106 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 5.0 | 75 |
| 4.02 | Malaria cases/100,000 pop.* | 0.0 | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.9 | 96 |
| 4.03 | Business impact of tuberculosis | 5.3 | 78 | 9.07 | Mobile broadband subscriptions/100 pop.* | 11.4 | 66 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 73.0 | 82 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.7 | 46 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 108 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 2.8 | 123 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 17.5 | 77 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.8 | 64 | 11.01 | Local supplier quantity | 4.3 | 102 |
| 4.09 | Quality of primary education | 3.7 | 70 | 11.02 | Local supplier quality | 4.1 | 96 |
| 4.10 | Primary education enrollment, net %* | 87.1 | 108 | 11.03 | State of cluster development | 3.6 | 72 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 50 | |
| 5.01 | Secondary education enrollment, gross %* | 92.0 | 57 | 11.05 | Value chain breadth | 3.4 | 91 |
| 5.02 | Tertiary education enrollment, gross %* | 51.5 | 50 | 11.06 | Control of international distribution | 3.8 | 98 |
| 5.03 | Quality of the educational system | 3.5 | 79 | 11.07 | Production process sophistication | 3.5 | 84 |
| 5.04 | Quality of math and science education | 4.0 | 71 | 11.08 | Extent of marketing | 3.5 | 105 |
| 5.05 | Quality of management schools | 3.2 | 127 | 11.09 | Willingness to delegate authority | 3.2 | 108 |
| 5.06 | Internet access in schools | 3.9 | 78 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 106 | 12.01 | Capacity for innovation | 3.2 | 62 |
| 5.08 | Extent of staff training | 3.6 | 98 | 12.02 | Quality of scientific research institutions | 3.0 | 111 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 111 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.9 | 122 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 108 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 73 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.4 | 61 |

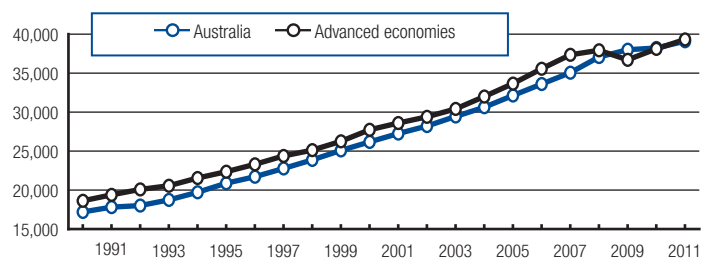
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Australia

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 23.5 |
| GDP (US\$ billions)..... | 1,488.2 |
| GDP per capita (US\$)..... | 65,477 |
| GDP (PPP) as share (%) of world total..... | 1.16 |

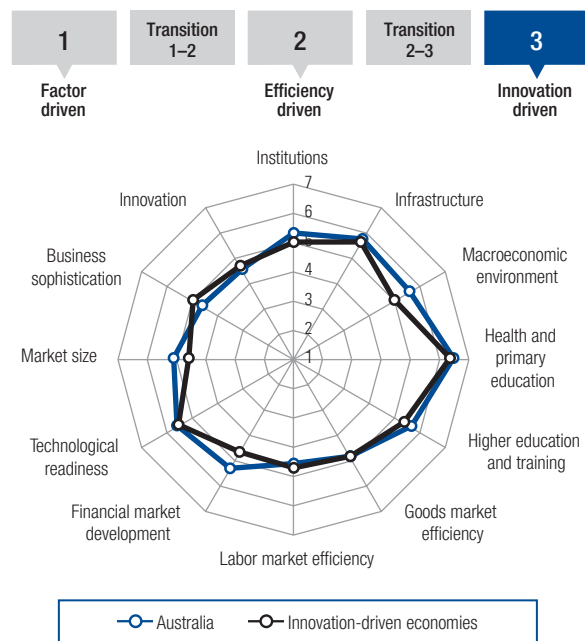
GDP (PPP) per capita (int'l \$), 1990–2011



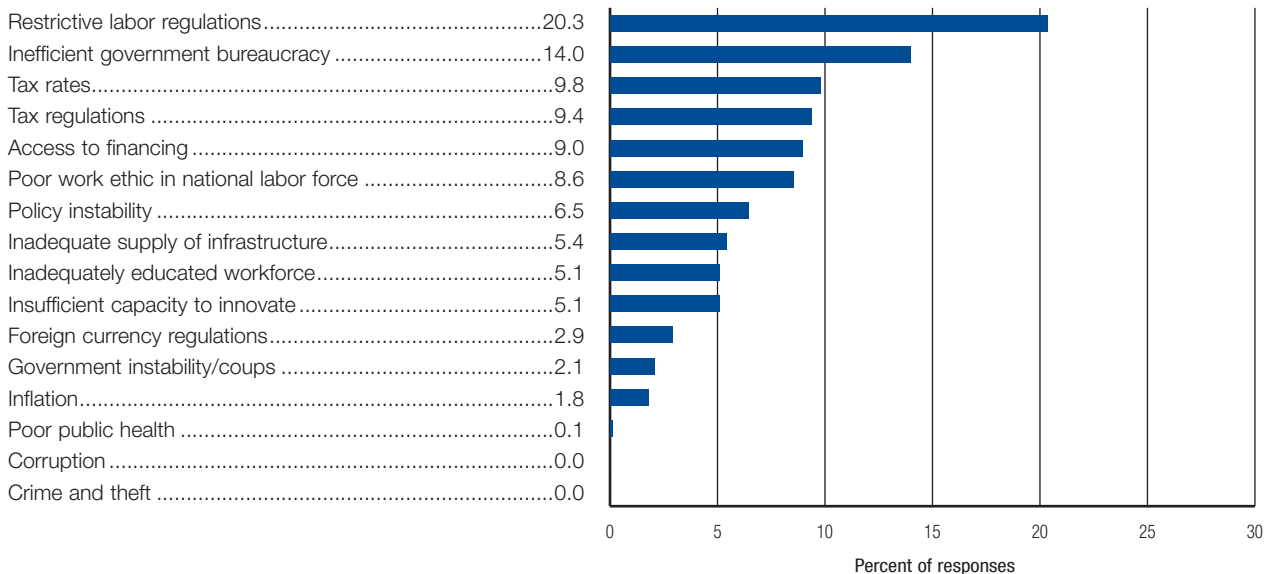
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 20 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 20 | 5.1 |
| GCI 2010–2011 (out of 139)..... | 16 | 5.1 |
| Basic requirements (20.0%) | 12 | 5.7 |
| Institutions..... | 18 | 5.3 |
| Infrastructure..... | 18 | 5.7 |
| Macroeconomic environment..... | 26 | 5.6 |
| Health and primary education..... | 13 | 6.5 |
| Efficiency enhancers (50.0%) | 13 | 5.2 |
| Higher education and training..... | 11 | 5.6 |
| Goods market efficiency..... | 24 | 4.9 |
| Labor market efficiency..... | 42 | 4.6 |
| Financial market development..... | 8 | 5.4 |
| Technological readiness..... | 19 | 5.6 |
| Market size..... | 21 | 5.1 |
| Innovation and sophistication factors (30.0%) | 28 | 4.6 |
| Business sophistication..... | 30 | 4.6 |
| Innovation..... | 23 | 4.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Australia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.5 | 25 | 6.01 | Intensity of local competition | 5.9 | 6 |
| 1.02 | Intellectual property protection | 5.3 | 19 | 6.02 | Extent of market dominance | 4.3 | 35 |
| 1.03 | Diversion of public funds | 5.5 | 17 | 6.03 | Effectiveness of anti-monopoly policy | 4.9 | 18 |
| 1.04 | Public trust in politicians | 4.0 | 27 | 6.04 | Extent and effect of taxation | 3.2 | 103 |
| 1.05 | Irregular payments and bribes | 5.8 | 20 | 6.05 | Total tax rate, % profits* | 47.7 | 106 |
| 1.06 | Judicial independence | 6.0 | 14 | 6.06 | No. procedures to start a business* | 2 | 3 |
| 1.07 | Favoritism in decisions of government officials | 4.2 | 24 | 6.07 | No. days to start a business* | 2 | 2 |
| 1.08 | Wastefulness of government spending | 3.6 | 48 | 6.08 | Agricultural policy costs | 4.6 | 19 |
| 1.09 | Burden of government regulation | 3.1 | 96 | 6.09 | Prevalence of trade barriers | 5.7 | 6 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.0 | 18 | 6.10 | Trade tariffs, % duty* | 2.9 | 44 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.7 | 19 | 6.11 | Prevalence of foreign ownership | 5.8 | 8 |
| 1.12 | Transparency of government policymaking | 4.9 | 29 | 6.12 | Business impact of rules on FDI | 5.0 | 42 |
| 1.13 | Gov't services for improved business performance | 3.9 | 56 | 6.13 | Burden of customs procedures | 5.3 | 11 |
| 1.14 | Business costs of terrorism | 6.0 | 47 | 6.14 | Imports as a percentage of GDP* | 20.4 | 136 |
| 1.15 | Business costs of crime and violence | 5.7 | 25 | 6.15 | Degree of customer orientation | 5.3 | 25 |
| 1.16 | Organized crime | 6.3 | 19 | 6.16 | Buyer sophistication | 4.1 | 33 |
| 1.17 | Reliability of police services | 6.1 | 12 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.9 | 11 | 7.01 | Cooperation in labor-employer relations | 4.3 | 67 |
| 1.19 | Strength of auditing and reporting standards | 6.0 | 8 | 7.02 | Flexibility of wage determination | 4.1 | 123 |
| 1.20 | Efficacy of corporate boards | 5.6 | 4 | 7.03 | Hiring and firing practices | 3.2 | 120 |
| 1.21 | Protection of minority shareholders' interests | 5.1 | 20 | 7.04 | Redundancy costs, weeks of salary* | 12 | 50 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.8 | 80 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.9 | 10 | |
| 2.01 | Quality of overall infrastructure | 5.2 | 36 | 7.07 | Brain drain | 4.4 | 31 |
| 2.02 | Quality of roads | 5.1 | 36 | 7.08 | Women in labor force, ratio to men* | 0.84 | 57 |
| 2.03 | Quality of railroad infrastructure | 4.3 | 28 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.1 | 38 | 8.01 | Availability of financial services | 5.8 | 19 |
| 2.05 | Quality of air transport infrastructure | 5.8 | 29 | 8.02 | Affordability of financial services | 4.8 | 36 |
| 2.06 | Available airline seat kms/week, millions* | 4,092.4 | 6 | 8.03 | Financing through local equity market | 4.7 | 13 |
| 2.07 | Quality of electricity supply | 6.3 | 27 | 8.04 | Ease of access to loans | 3.7 | 23 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 108.3 | 67 | 8.05 | Venture capital availability | 3.3 | 28 |
| 2.09 | Fixed telephone lines/100 pop.* | 46.6 | 17 | 8.06 | Soundness of banks | 6.5 | 5 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.8 | 7 | |
| 3.01 | Government budget balance, % GDP* | -4.3 | 97 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 24.9 | 45 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 37 | 9.01 | Availability of latest technologies | 6.2 | 19 |
| 3.04 | General government debt, % GDP* | 22.9 | 30 | 9.02 | Firm-level technology absorption | 5.9 | 15 |
| 3.05 | Country credit rating, 0-100 (best)* | 89.7 | 10 | 9.03 | FDI and technology transfer | 5.0 | 32 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 79.0 | 18 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 23.9 | 24 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 50.4 | 31 |
| 4.03 | Business impact of tuberculosis | 6.3 | 25 | 9.07 | Mobile broadband subscriptions/100 pop.* | 42.8 | 21 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.3 | 16 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 35 | 10.01 | Domestic market size index, 1-7 (best)* | 5.0 | 18 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.3 | 31 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.1 | 24 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.7 | 5 | 11.01 | Local supplier quantity | 4.9 | 60 |
| 4.09 | Quality of primary education | 5.3 | 16 | 11.02 | Local supplier quality | 5.5 | 13 |
| 4.10 | Primary education enrollment, net %* | 97.1 | 38 | 11.03 | State of cluster development | 4.2 | 37 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 62 | |
| 5.01 | Secondary education enrollment, gross %* | 131.3 | 1 | 11.05 | Value chain breadth | 3.2 | 102 |
| 5.02 | Tertiary education enrollment, gross %* | 79.9 | 9 | 11.06 | Control of international distribution | 4.0 | 75 |
| 5.03 | Quality of the educational system | 5.0 | 15 | 11.07 | Production process sophistication | 5.1 | 24 |
| 5.04 | Quality of math and science education | 4.9 | 24 | 11.08 | Extent of marketing | 5.2 | 24 |
| 5.05 | Quality of management schools | 5.3 | 16 | 11.09 | Willingness to delegate authority | 5.0 | 13 |
| 5.06 | Internet access in schools | 6.1 | 12 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.3 | 18 | 12.01 | Capacity for innovation | 3.9 | 32 |
| 5.08 | Extent of staff training | 4.6 | 28 | 12.02 | Quality of scientific research institutions | 5.8 | 7 |
| | | | | 12.03 | Company spending on R&D | 3.8 | 30 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.1 | 13 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 58 |
| | | | | 12.06 | Availability of scientists and engineers | 4.3 | 53 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 83.5 | 20 |

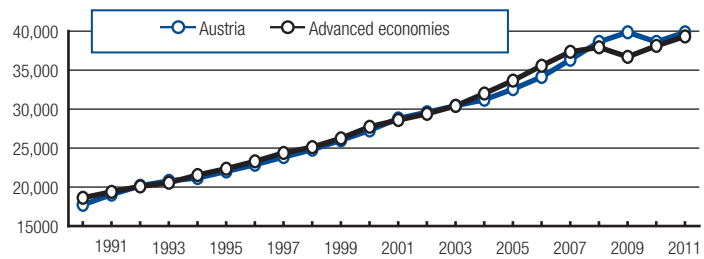
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Austria

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 8.8 |
| GDP (US\$ billions)..... | 419.2 |
| GDP per capita (US\$)..... | 49,809 |
| GDP (PPP) as share (%) of world total..... | 0.45 |

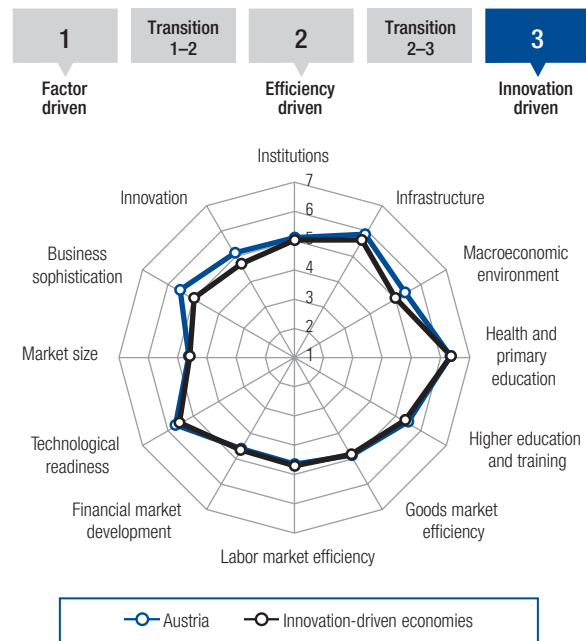
GDP (PPP) per capita (int'l \$), 1990–2011



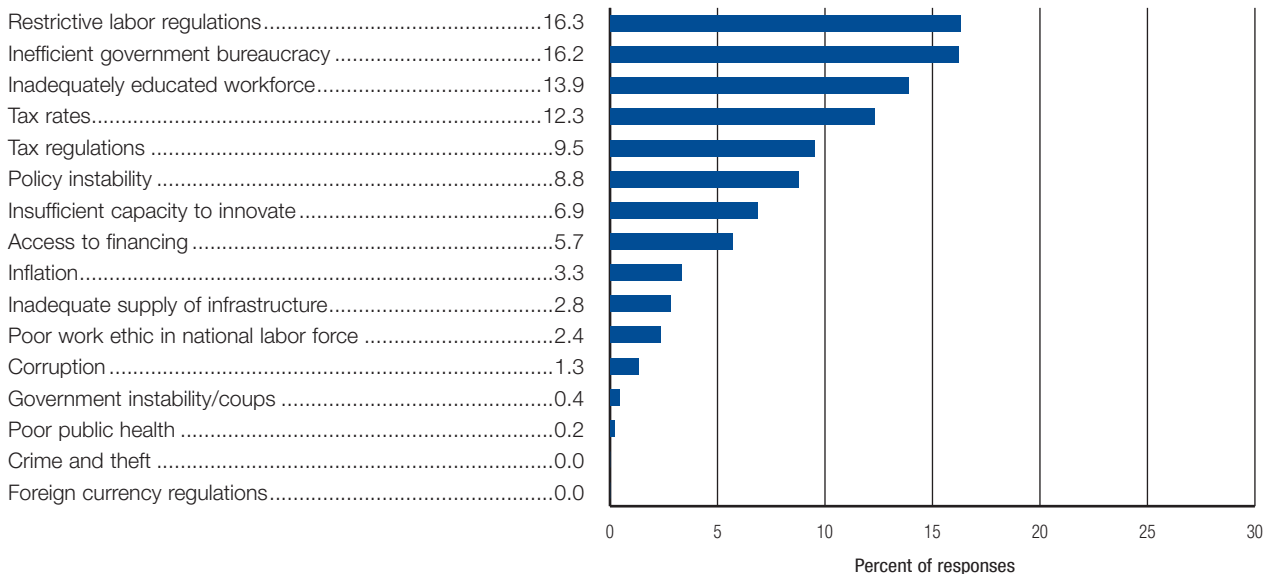
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 16 | 5.2 |
| GCI 2011–2012 (out of 142)..... | 19 | 5.1 |
| GCI 2010–2011 (out of 139)..... | 18 | 5.1 |
| Basic requirements (20.0%) | 20 | 5.6 |
| Institutions..... | 25 | 5.0 |
| Infrastructure..... | 15 | 5.8 |
| Macroeconomic environment..... | 33 | 5.3 |
| Health and primary education..... | 20 | 6.3 |
| Efficiency enhancers (50.0%) | 19 | 5.0 |
| Higher education and training..... | 18 | 5.5 |
| Goods market efficiency..... | 22 | 4.9 |
| Labor market efficiency..... | 32 | 4.7 |
| Financial market development..... | 34 | 4.7 |
| Technological readiness..... | 17 | 5.7 |
| Market size..... | 36 | 4.6 |
| Innovation and sophistication factors (30.0%) | 10 | 5.3 |
| Business sophistication..... | 6 | 5.5 |
| Innovation..... | 13 | 5.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.8 | 13 | 6.01 | Intensity of local competition | 5.8 | 7 |
| 1.02 | Intellectual property protection | 5.5 | 16 | 6.02 | Extent of market dominance | 5.5 | 5 |
| 1.03 | Diversion of public funds | 4.5 | 36 | 6.03 | Effectiveness of anti-monopoly policy | 4.7 | 29 |
| 1.04 | Public trust in politicians | 3.0 | 61 | 6.04 | Extent and effect of taxation | 3.2 | 98 |
| 1.05 | Irregular payments and bribes | 5.4 | 30 | 6.05 | Total tax rate, % profits* | 53.1 | 117 |
| 1.06 | Judicial independence | 5.2 | 30 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 3.8 | 37 | 6.07 | No. days to start a business* | 28 | 97 |
| 1.08 | Wastefulness of government spending | 3.7 | 43 | 6.08 | Agricultural policy costs | 4.1 | 54 |
| 1.09 | Burden of government regulation | 3.3 | 82 | 6.09 | Prevalence of trade barriers | 4.9 | 26 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.8 | 25 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.6 | 22 | 6.11 | Prevalence of foreign ownership | 5.1 | 47 |
| 1.12 | Transparency of government policymaking | 5.1 | 20 | 6.12 | Business impact of rules on FDI | 4.8 | 55 |
| 1.13 | Gov't services for improved business performance | 3.6 | 74 | 6.13 | Burden of customs procedures | 5.1 | 19 |
| 1.14 | Business costs of terrorism | 6.6 | 4 | 6.14 | Imports as a percentage of GDP* | 56.3 | 48 |
| 1.15 | Business costs of crime and violence | 5.8 | 19 | 6.15 | Degree of customer orientation | 5.9 | 3 |
| 1.16 | Organized crime | 6.4 | 12 | 6.16 | Buyer sophistication | 4.2 | 27 |
| 1.17 | Reliability of police services | 6.0 | 17 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.6 | 18 | 7.01 | Cooperation in labor-employer relations | 5.7 | 6 |
| 1.19 | Strength of auditing and reporting standards | 5.7 | 18 | 7.02 | Flexibility of wage determination | 2.5 | 142 |
| 1.20 | Efficacy of corporate boards | 5.2 | 18 | 7.03 | Hiring and firing practices | 3.5 | 100 |
| 1.21 | Protection of minority shareholders' interests | 5.1 | 22 | 7.04 | Redundancy costs, weeks of salary* | 2 | 5 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 4.0 | 62 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.5 | 18 | |
| 2.01 | Quality of overall infrastructure | 6.3 | 8 | 7.07 | Brain drain | 4.4 | 32 |
| 2.02 | Quality of roads | 6.3 | 7 | 7.08 | Women in labor force, ratio to men* | 0.86 | 48 |
| 2.03 | Quality of railroad infrastructure | 5.3 | 12 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.9 | 44 | 8.01 | Availability of financial services | 5.9 | 15 |
| 2.05 | Quality of air transport infrastructure | 5.8 | 31 | 8.02 | Affordability of financial services | 5.2 | 19 |
| 2.06 | Available airline seat kms/week, millions* | 431.1 | 45 | 8.03 | Financing through local equity market | 3.8 | 53 |
| 2.07 | Quality of electricity supply | 6.7 | 7 | 8.04 | Ease of access to loans | 3.2 | 43 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 154.8 | 11 | 8.05 | Venture capital availability | 3.0 | 39 |
| 2.09 | Fixed telephone lines/100 pop.* | 40.3 | 28 | 8.06 | Soundness of banks | 5.4 | 58 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.7 | 44 | |
| 3.01 | Government budget balance, % GDP* | -2.6 | 63 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 25.2 | 42 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.6 | 50 | 9.01 | Availability of latest technologies | 6.3 | 13 |
| 3.04 | General government debt, % GDP* | 72.2 | 120 | 9.02 | Firm-level technology absorption | 5.9 | 13 |
| 3.05 | Country credit rating, 0-100 (best)* | 88.2 | 13 | 9.03 | FDI and technology transfer | 4.9 | 51 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 79.8 | 15 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 26.5 | 20 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 81.9 | 18 |
| 4.03 | Business impact of tuberculosis | 6.6 | 9 | 9.07 | Mobile broadband subscriptions/100 pop.* | 43.3 | 19 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 5.0 | 11 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.4 | 9 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 34 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 5.3 | 30 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.5 | 19 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.4 | 20 | 11.01 | Local supplier quantity | 5.7 | 5 |
| 4.09 | Quality of primary education | 4.7 | 31 | 11.02 | Local supplier quality | 6.1 | 2 |
| 4.10 | Primary education enrollment, net %* | 98.4 | 23 | 11.03 | State of cluster development | 4.8 | 18 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.0 | 7 | |
| 5.01 | Secondary education enrollment, gross %* | 98.9 | 37 | 11.05 | Value chain breadth | 5.7 | 5 |
| 5.02 | Tertiary education enrollment, gross %* | 60.2 | 33 | 11.06 | Control of international distribution | 5.2 | 8 |
| 5.03 | Quality of the educational system | 4.7 | 26 | 11.07 | Production process sophistication | 6.0 | 7 |
| 5.04 | Quality of math and science education | 4.4 | 43 | 11.08 | Extent of marketing | 5.7 | 6 |
| 5.05 | Quality of management schools | 4.8 | 37 | 11.09 | Willingness to delegate authority | 4.6 | 22 |
| 5.06 | Internet access in schools | 5.7 | 25 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 6.1 | 3 | 12.01 | Capacity for innovation | 5.0 | 9 |
| 5.08 | Extent of staff training | 5.0 | 12 | 12.02 | Quality of scientific research institutions | 5.1 | 21 |
| | | | 12.03 | Company spending on R&D | 4.8 | 13 | |
| | | | 12.04 | University-industry collaboration in R&D | 4.9 | 22 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 50 | |
| | | | 12.06 | Availability of scientists and engineers | 4.7 | 30 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 144.6 | 10 | |

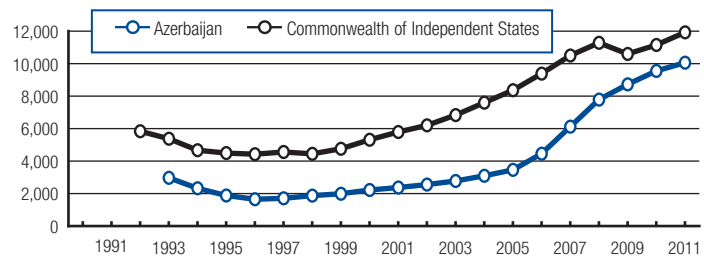
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Azerbaijan

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 9.4 |
| GDP (US\$ billions)..... | 62.3 |
| GDP per capita (US\$)..... | 6,832 |
| GDP (PPP) as share (%) of world total..... | 0.12 |

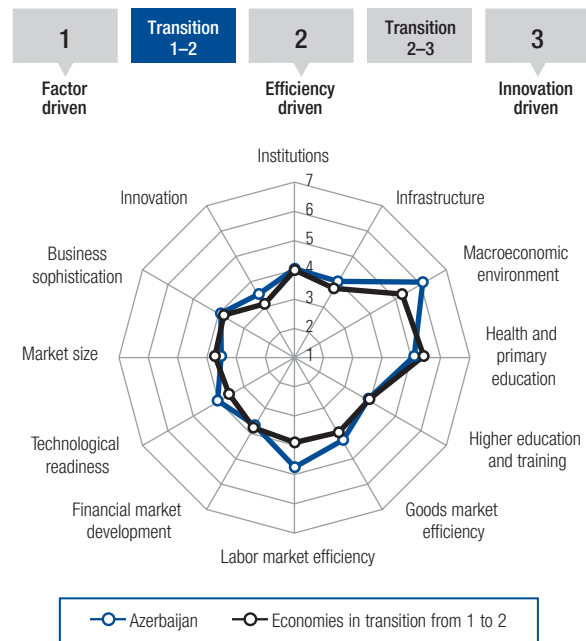
GDP (PPP) per capita (int'l \$), 1990–2011



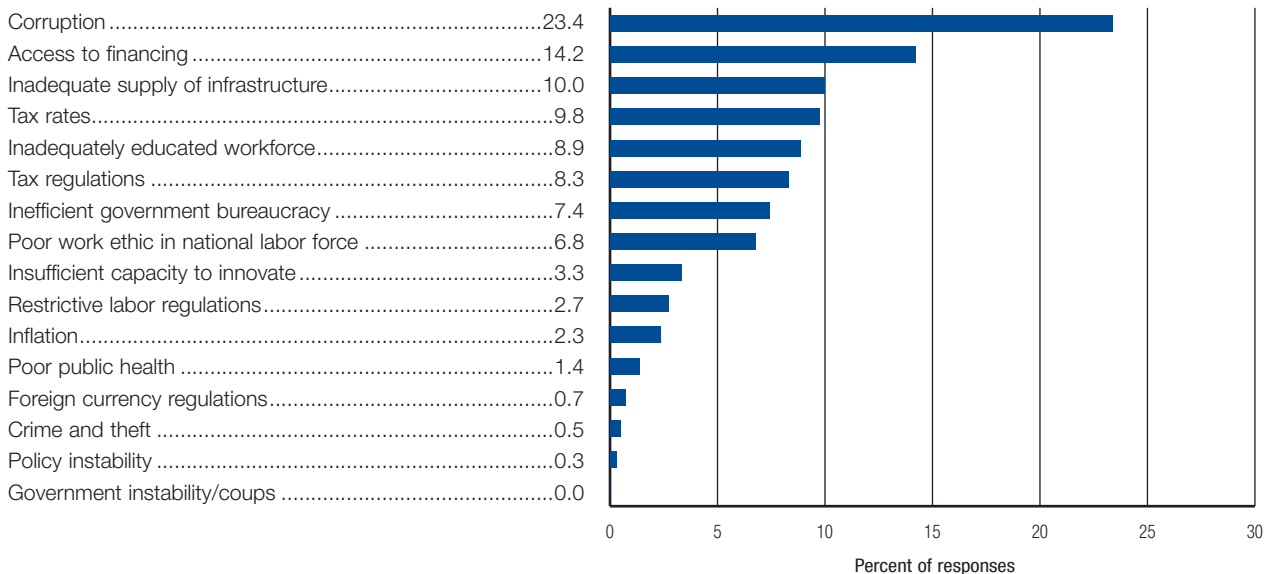
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 46 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 55 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 57 | 4.3 |
| Basic requirements (53.9%) | 56 | 4.8 |
| Institutions..... | 63 | 4.0 |
| Infrastructure..... | 71 | 3.9 |
| Macroeconomic environment..... | 18 | 6.0 |
| Health and primary education..... | 107 | 5.1 |
| Efficiency enhancers (39.6%) | 67 | 4.1 |
| Higher education and training..... | 89 | 3.9 |
| Goods market efficiency..... | 60 | 4.3 |
| Labor market efficiency..... | 26 | 4.8 |
| Financial market development..... | 98 | 3.7 |
| Technological readiness..... | 61 | 4.0 |
| Market size..... | 76 | 3.5 |
| Innovation and sophistication factors (6.5%) | 57 | 3.7 |
| Business sophistication..... | 69 | 3.9 |
| Innovation..... | 46 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Azerbaijan

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.0 | 87 | 6.01 | Intensity of local competition | 3.8 | 131 |
| 1.02 | Intellectual property protection | 3.9 | 53 | 6.02 | Extent of market dominance | 3.8 | 64 |
| 1.03 | Diversion of public funds | 2.9 | 86 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 114 |
| 1.04 | Public trust in politicians | 3.3 | 47 | 6.04 | Extent and effect of taxation | 3.7 | 49 |
| 1.05 | Irregular payments and bribes | 3.2 | 110 | 6.05 | Total tax rate, % profits* | 40.0 | 74 |
| 1.06 | Judicial independence | 3.4 | 86 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.6 | 43 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.4 | 58 | 6.08 | Agricultural policy costs | 3.9 | 67 |
| 1.09 | Burden of government regulation | 4.1 | 29 | 6.09 | Prevalence of trade barriers | 3.9 | 107 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 76 | 6.10 | Trade tariffs, % duty* | 7.1 | 86 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 58 | 6.11 | Prevalence of foreign ownership | 4.3 | 98 |
| 1.12 | Transparency of government policymaking | 4.5 | 49 | 6.12 | Business impact of rules on FDI | 4.4 | 87 |
| 1.13 | Gov't services for improved business performance | 4.5 | 17 | 6.13 | Burden of customs procedures | 3.4 | 107 |
| 1.14 | Business costs of terrorism | 5.8 | 55 | 6.14 | Imports as a percentage of GDP* | 24.7 | 131 |
| 1.15 | Business costs of crime and violence | 5.3 | 52 | 6.15 | Degree of customer orientation | 4.7 | 56 |
| 1.16 | Organized crime | 5.3 | 69 | 6.16 | Buyer sophistication | 4.4 | 20 |
| 1.17 | Reliability of police services | 4.0 | 80 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.9 | 69 | 7.01 | Cooperation in labor-employer relations | 4.7 | 37 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 111 | 7.02 | Flexibility of wage determination | 5.4 | 29 |
| 1.20 | Efficacy of corporate boards | 4.5 | 69 | 7.03 | Hiring and firing practices | 5.4 | 4 |
| 1.21 | Protection of minority shareholders' interests | 4.0 | 83 | 7.04 | Redundancy costs, weeks of salary* | 22 | 96 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.7 | 24 | 7.05 | Pay and productivity | 4.6 | 20 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 102 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 59 | 7.07 | Brain drain | 3.4 | 70 |
| 2.02 | Quality of roads | 4.0 | 67 | 7.08 | Women in labor force, ratio to men* | 0.92 | 21 |
| 2.03 | Quality of railroad infrastructure | 3.9 | 35 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 78 | 8.01 | Availability of financial services | 3.7 | 119 |
| 2.05 | Quality of air transport infrastructure | 5.0 | 53 | 8.02 | Affordability of financial services | 4.1 | 70 |
| 2.06 | Available airline seat kms/week, millions* | 77.4 | 84 | 8.03 | Financing through local equity market | 3.5 | 63 |
| 2.07 | Quality of electricity supply | 4.7 | 75 | 8.04 | Ease of access to loans | 3.0 | 57 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 108.7 | 64 | 8.05 | Venture capital availability | 2.8 | 59 |
| 2.09 | Fixed telephone lines/100 pop.* | 18.1 | 71 | 8.06 | Soundness of banks | 3.8 | 133 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.7 | 101 | |
| 3.01 | Government budget balance, % GDP* | 13.3 | 5 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 47.9 | 8 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.9 | 106 | 9.01 | Availability of latest technologies | 4.8 | 81 |
| 3.04 | General government debt, % GDP* | 10.2 | 12 | 9.02 | Firm-level technology absorption | 4.7 | 73 |
| 3.05 | Country credit rating, 0-100 (best)* | 49.8 | 70 | 9.03 | FDI and technology transfer | 4.7 | 68 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 50.0 | 56 | |
| 4.01 | Business impact of malaria | 5.9 | 82 | 9.05 | Broadband Internet subscriptions/100 pop.* | 10.7 | 54 |
| 4.02 | Malaria cases/100,000 pop.* | 1.0 | 79 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 19.1 | 61 |
| 4.03 | Business impact of tuberculosis | 4.7 | 100 | 9.07 | Mobile broadband subscriptions/100 pop.* | 21.5 | 45 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 110.0 | 97 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.4 | 65 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 78 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.5 | 62 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 39.4 | 106 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 70.5 | 92 | 11.01 | Local supplier quantity | 4.5 | 90 |
| 4.09 | Quality of primary education | 3.0 | 113 | 11.02 | Local supplier quality | 4.2 | 94 |
| 4.10 | Primary education enrollment, net %* | 84.4 | 117 | 11.03 | State of cluster development | 3.7 | 68 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.8 | 46 | |
| 5.01 | Secondary education enrollment, gross %* | 84.6 | 82 | 11.05 | Value chain breadth | 3.8 | 57 |
| 5.02 | Tertiary education enrollment, gross %* | 19.1 | 90 | 11.06 | Control of international distribution | 4.0 | 79 |
| 5.03 | Quality of the educational system | 3.1 | 109 | 11.07 | Production process sophistication | 3.8 | 61 |
| 5.04 | Quality of math and science education | 3.5 | 99 | 11.08 | Extent of marketing | 3.8 | 85 |
| 5.05 | Quality of management schools | 3.3 | 123 | 11.09 | Willingness to delegate authority | 3.8 | 65 |
| 5.06 | Internet access in schools | 3.9 | 79 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 49 | 12.01 | Capacity for innovation | 3.5 | 39 |
| 5.08 | Extent of staff training | 4.1 | 56 | 12.02 | Quality of scientific research institutions | 3.7 | 65 |
| | | | | 12.03 | Company spending on R&D | 3.4 | 44 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.4 | 82 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.4 | 19 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 44 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.4 | 79 |

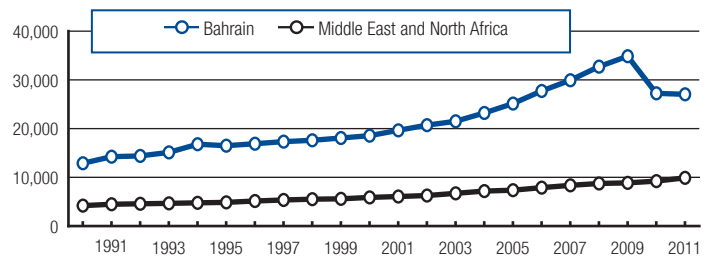
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Bahrain

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.3 |
| GDP (US\$ billions)..... | 26.1 |
| GDP per capita (US\$)..... | 23,132 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

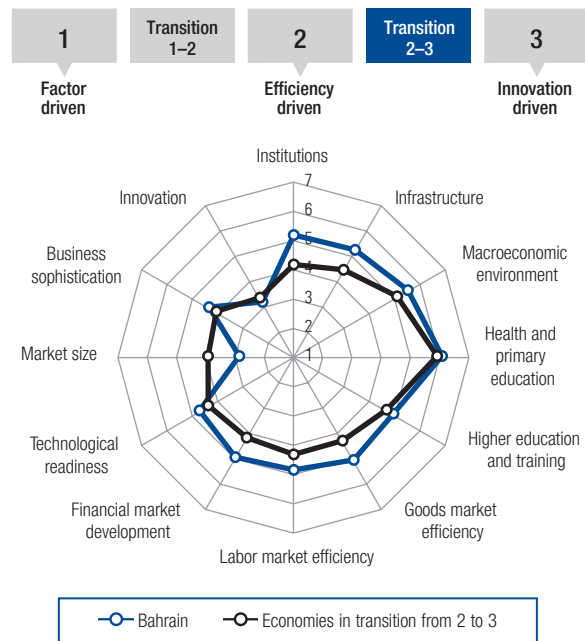
GDP (PPP) per capita (int'l \$), 1990–2011



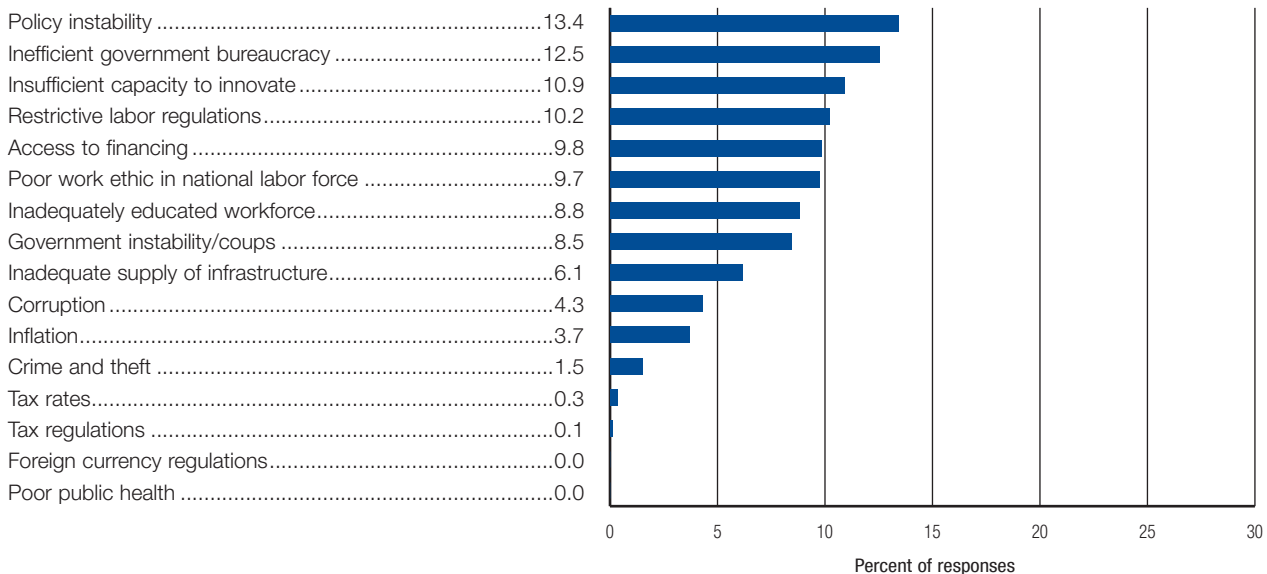
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 35 | 4.6 |
| GCI 2011–2012 (out of 142)..... | 37 | 4.5 |
| GCI 2010–2011 (out of 139)..... | 37 | 4.5 |
| Basic requirements (26.9%) | 25 | 5.5 |
| Institutions..... | 21 | 5.1 |
| Infrastructure..... | 29 | 5.2 |
| Macroeconomic environment..... | 29 | 5.5 |
| Health and primary education..... | 38 | 6.1 |
| Efficiency enhancers (50.0%) | 35 | 4.6 |
| Higher education and training..... | 34 | 4.9 |
| Goods market efficiency..... | 16 | 5.1 |
| Labor market efficiency..... | 21 | 4.9 |
| Financial market development..... | 18 | 5.0 |
| Technological readiness..... | 39 | 4.7 |
| Market size..... | 103 | 2.9 |
| Innovation and sophistication factors (23.1%) | 53 | 3.7 |
| Business sophistication..... | 39 | 4.3 |
| Innovation..... | 72 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Bahrain

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.7 | 19 | 6.01 | Intensity of local competition | 5.4 | 33 |
| 1.02 | Intellectual property protection | 5.1 | 28 | 6.02 | Extent of market dominance | 4.3 | 34 |
| 1.03 | Diversion of public funds | 5.2 | 23 | 6.03 | Effectiveness of anti-monopoly policy | 5.1 | 13 |
| 1.04 | Public trust in politicians | 4.2 | 23 | 6.04 | Extent and effect of taxation | 6.3 | 1 |
| 1.05 | Irregular payments and bribes | 5.8 | 22 | 6.05 | Total tax rate, % profits* | 15.0 | 8 |
| 1.06 | Judicial independence | 5.1 | 32 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 4.5 | 14 | 6.07 | No. days to start a business* | 9 | 43 |
| 1.08 | Wastefulness of government spending | 4.8 | 11 | 6.08 | Agricultural policy costs | 4.4 | 28 |
| 1.09 | Burden of government regulation | 4.8 | 7 | 6.09 | Prevalence of trade barriers | 5.4 | 15 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.6 | 30 | 6.10 | Trade tariffs, % duty* | 4.4 | 56 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 28 | 6.11 | Prevalence of foreign ownership | 5.7 | 13 |
| 1.12 | Transparency of government policymaking | 5.4 | 12 | 6.12 | Business impact of rules on FDI | 6.0 | 3 |
| 1.13 | Gov't services for improved business performance | 4.6 | 12 | 6.13 | Burden of customs procedures | 5.3 | 10 |
| 1.14 | Business costs of terrorism | 4.9 | 110 | 6.14 | Imports as a percentage of GDP* | 52.2 | 58 |
| 1.15 | Business costs of crime and violence | 4.9 | 67 | 6.15 | Degree of customer orientation | 5.0 | 40 |
| 1.16 | Organized crime | 6.5 | 10 | 6.16 | Buyer sophistication | 4.3 | 25 |
| 1.17 | Reliability of police services | 5.6 | 29 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.2 | 26 | 7.01 | Cooperation in labor-employer relations | 5.0 | 26 |
| 1.19 | Strength of auditing and reporting standards | 6.0 | 9 | 7.02 | Flexibility of wage determination | 6.0 | 3 |
| 1.20 | Efficacy of corporate boards | 5.0 | 26 | 7.03 | Hiring and firing practices | 4.0 | 65 |
| 1.21 | Protection of minority shareholders' interests | 5.5 | 10 | 7.04 | Redundancy costs, weeks of salary* | 4 | 8 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 4.4 | 30 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.0 | 33 | |
| 2.01 | Quality of overall infrastructure | 6.0 | 14 | 7.07 | Brain drain | 4.8 | 18 |
| 2.02 | Quality of roads | 5.8 | 18 | 7.08 | Women in labor force, ratio to men* | 0.46 | 130 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.0 | 10 | 8.01 | Availability of financial services | 5.9 | 14 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 16 | 8.02 | Affordability of financial services | 5.8 | 7 |
| 2.06 | Available airline seat kms/week, millions* | 210.7 | 62 | 8.03 | Financing through local equity market | 4.5 | 23 |
| 2.07 | Quality of electricity supply | 6.3 | 23 | 8.04 | Ease of access to loans | 4.8 | 2 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 128.0 | 32 | 8.05 | Venture capital availability | 4.3 | 7 |
| 2.09 | Fixed telephone lines/100 pop.* | 20.9 | 61 | 8.06 | Soundness of banks | 5.9 | 28 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.5 | 14 | |
| 3.01 | Government budget balance, % GDP* | -2.3 | 57 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 28.6 | 29 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.0 | 1 | 9.01 | Availability of latest technologies | 6.2 | 24 |
| 3.04 | General government debt, % GDP* | 36.5 | 60 | 9.02 | Firm-level technology absorption | 5.8 | 21 |
| 3.05 | Country credit rating, 0-100 (best)* | 58.4 | 51 | 9.03 | FDI and technology transfer | 5.5 | 11 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 77.0 | 21 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 13.8 | 43 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 14.7 | 71 |
| 4.03 | Business impact of tuberculosis | 5.9 | 45 | 9.07 | Mobile broadband subscriptions/100 pop.* | 9.5 | 68 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 23.0 | 51 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 36 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 114 |
| 4.06 | HIV prevalence, % adult pop.* | <0.1 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 4.0 | 76 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 8.7 | 49 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.0 | 51 | 11.01 | Local supplier quantity | 5.1 | 36 |
| 4.09 | Quality of primary education | 4.2 | 51 | 11.02 | Local supplier quality | 4.8 | 51 |
| 4.10 | Primary education enrollment, net %* | 97.8 | 31 | 11.03 | State of cluster development | 4.7 | 19 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 64 | |
| 5.01 | Secondary education enrollment, gross %* | 103.1 | 21 | 11.05 | Value chain breadth | 3.8 | 60 |
| 5.02 | Tertiary education enrollment, gross %* | 51.2 | 51 | 11.06 | Control of international distribution | 4.4 | 36 |
| 5.03 | Quality of the educational system | 4.4 | 35 | 11.07 | Production process sophistication | 4.3 | 42 |
| 5.04 | Quality of math and science education | 4.2 | 56 | 11.08 | Extent of marketing | 4.1 | 67 |
| 5.05 | Quality of management schools | 4.1 | 79 | 11.09 | Willingness to delegate authority | 4.0 | 42 |
| 5.06 | Internet access in schools | 5.3 | 35 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.6 | 41 | 12.01 | Capacity for innovation | 2.5 | 117 |
| 5.08 | Extent of staff training | 4.6 | 25 | 12.02 | Quality of scientific research institutions | 3.1 | 107 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 113 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 115 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.4 | 20 |
| | | | | 12.06 | Availability of scientists and engineers | 4.2 | 62 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.1 | 52 |

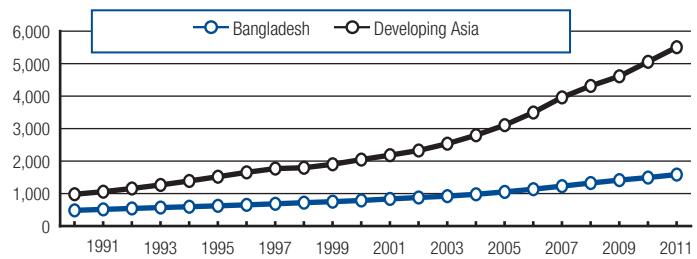
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Bangladesh

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 151.6 |
| GDP (US\$ billions)..... | 113.0 |
| GDP per capita (US\$)..... | 678 |
| GDP (PPP) as share (%) of world total..... | 0.36 |

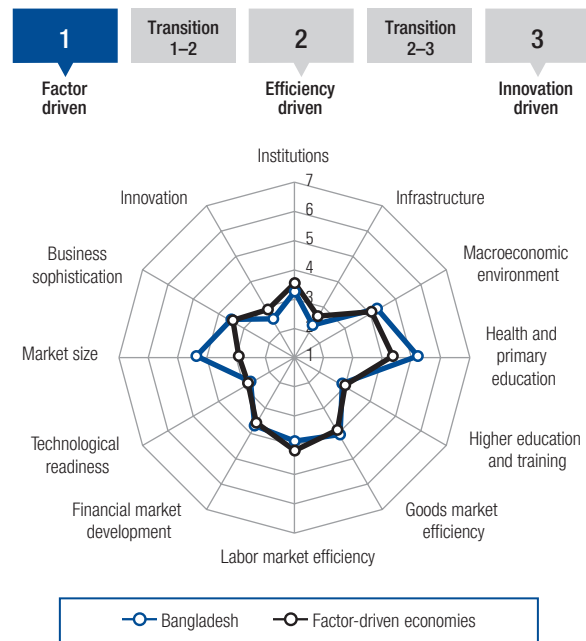
GDP (PPP) per capita (int'l \$), 1990–2011



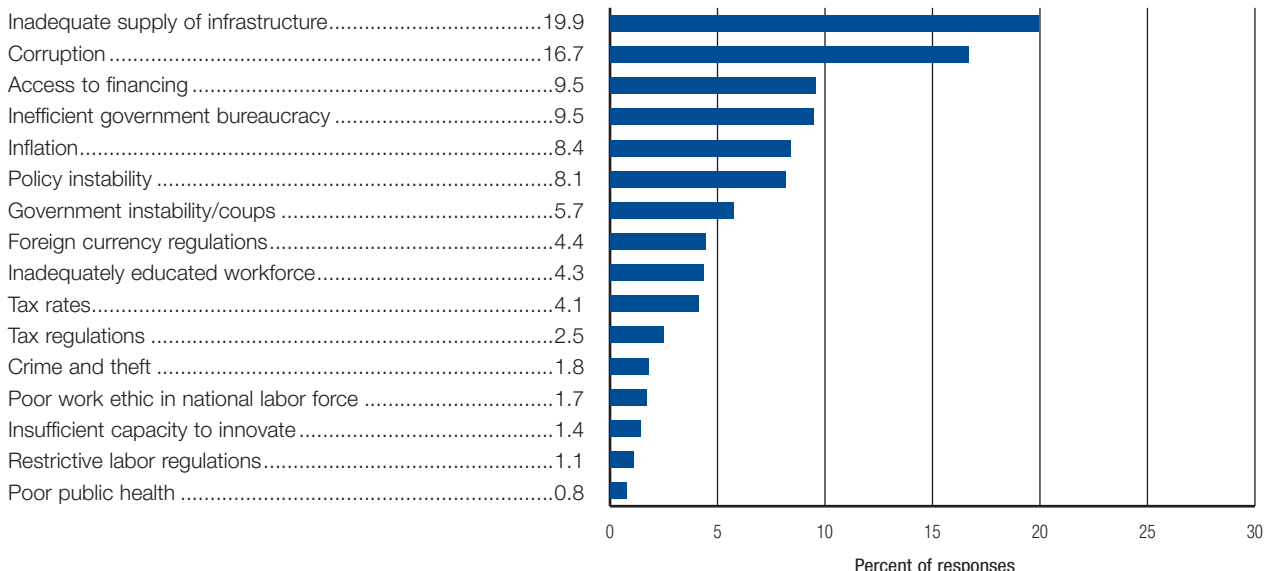
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 118 | 3.6 |
| GCI 2011–2012 (out of 142)..... | 108 | 3.7 |
| GCI 2010–2011 (out of 139)..... | 107 | 3.6 |
| Basic requirements (60.0%) | 119 | 3.7 |
| Institutions..... | 127 | 3.2 |
| Infrastructure..... | 134 | 2.2 |
| Macroeconomic environment..... | 100 | 4.2 |
| Health and primary education..... | 103 | 5.2 |
| Efficiency enhancers (35.0%) | 107 | 3.6 |
| Higher education and training..... | 126 | 2.9 |
| Goods market efficiency..... | 95 | 4.1 |
| Labor market efficiency..... | 117 | 3.9 |
| Financial market development..... | 95 | 3.7 |
| Technological readiness..... | 125 | 2.7 |
| Market size..... | 47 | 4.4 |
| Innovation and sophistication factors (5.0%) | 122 | 3.0 |
| Business sophistication..... | 108 | 3.5 |
| Innovation..... | 130 | 2.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Bangladesh

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 3.6 | 104 |
| 1.02 Intellectual property protection | 2.4 | 131 |
| 1.03 Diversion of public funds | 2.6 | 107 |
| 1.04 Public trust in politicians | 1.9 | 124 |
| 1.05 Irregular payments and bribes | 2.2 | 144 |
| 1.06 Judicial independence | 2.8 | 104 |
| 1.07 Favoritism in decisions of government officials | 2.2 | 135 |
| 1.08 Wastefulness of government spending | 3.2 | 71 |
| 1.09 Burden of government regulation | 3.2 | 85 |
| 1.10 Efficiency of legal framework in settling disputes | 3.3 | 101 |
| 1.11 Efficiency of legal framework in challenging regs. ... | 3.6 | 71 |
| 1.12 Transparency of government policymaking | 3.9 | 101 |
| 1.13 Gov't services for improved business performance | 2.9 | 120 |
| 1.14 Business costs of terrorism | 5.1 | 103 |
| 1.15 Business costs of crime and violence | 4.3 | 97 |
| 1.16 Organized crime | 4.5 | 106 |
| 1.17 Reliability of police services | 3.0 | 126 |
| 1.18 Ethical behavior of firms | 2.9 | 139 |
| 1.19 Strength of auditing and reporting standards | 3.7 | 127 |
| 1.20 Efficacy of corporate boards | 4.0 | 116 |
| 1.21 Protection of minority shareholders' interests | 3.2 | 131 |
| 1.22 Strength of investor protection, 0–10 (best)* | 6.7 | 24 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 2.8 | 131 |
| 2.02 Quality of roads | 2.8 | 113 |
| 2.03 Quality of railroad infrastructure | 2.5 | 73 |
| 2.04 Quality of port infrastructure | 3.3 | 121 |
| 2.05 Quality of air transport infrastructure | 3.5 | 120 |
| 2.06 Available airline seat kms/week, millions* | 205.6 | 63 |
| 2.07 Quality of electricity supply | 1.8 | 136 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 56.5 | 125 |
| 2.09 Fixed telephone lines/100 pop.* | 1.1 | 127 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | -4.1 | 92 |
| 3.02 Gross national savings, % GDP* | 26.7 | 36 |
| 3.03 Inflation, annual % change* | 10.7 | 126 |
| 3.04 General government debt, % GDP* | 42.9 | 80 |
| 3.05 Country credit rating, 0–100 (best)* | 29.8 | 105 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | 5.5 | 93 |
| 4.02 Malaria cases/100,000 pop.* | 619.9 | 109 |
| 4.03 Business impact of tuberculosis | 5.3 | 74 |
| 4.04 Tuberculosis cases/100,000 pop.* | 225.0 | 120 |
| 4.05 Business impact of HIV/AIDS | 5.6 | 50 |
| 4.06 HIV prevalence, % adult pop.* | 0.1 | 12 |
| 4.07 Infant mortality, deaths/1,000 live births* | 38.0 | 105 |
| 4.08 Life expectancy, years* | 68.6 | 101 |
| 4.09 Quality of primary education | 2.8 | 122 |
| 4.10 Primary education enrollment, net %* | 92.2 | 82 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 51.4 | 116 |
| 5.02 Tertiary education enrollment, gross %* | 10.6 | 109 |
| 5.03 Quality of the educational system | 3.2 | 97 |
| 5.04 Quality of math and science education | 3.2 | 113 |
| 5.05 Quality of management schools | 3.9 | 91 |
| 5.06 Internet access in schools | 2.6 | 122 |
| 5.07 Availability of research and training services | 2.8 | 137 |
| 5.08 Extent of staff training | 3.0 | 136 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 4.7 | 83 |
| 6.02 Extent of market dominance | 3.2 | 120 |
| 6.03 Effectiveness of anti-monopoly policy | 3.5 | 111 |
| 6.04 Extent and effect of taxation | 4.0 | 32 |
| 6.05 Total tax rate, % profits* | 35.0 | 56 |
| 6.06 No. procedures to start a business* | 7 | 74 |
| 6.07 No. days to start a business* | 19 | 80 |
| 6.08 Agricultural policy costs | 4.6 | 16 |
| 6.09 Prevalence of trade barriers | 4.2 | 81 |
| 6.10 Trade tariffs, % duty* | 13.1 | 129 |
| 6.11 Prevalence of foreign ownership | 4.0 | 117 |
| 6.12 Business impact of rules on FDI | 5.2 | 26 |
| 6.13 Burden of customs procedures | 3.2 | 124 |
| 6.14 Imports as a percentage of GDP* | 30.3 | 119 |
| 6.15 Degree of customer orientation | 4.3 | 99 |
| 6.16 Buyer sophistication | 3.1 | 94 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 4.2 | 84 |
| 7.02 Flexibility of wage determination | 4.8 | 85 |
| 7.03 Hiring and firing practices | 4.7 | 20 |
| 7.04 Redundancy costs, weeks of salary* | 31 | 128 |
| 7.05 Pay and productivity | 3.5 | 105 |
| 7.06 Reliance on professional management | 3.5 | 118 |
| 7.07 Brain drain | 2.8 | 113 |
| 7.08 Women in labor force, ratio to men* | 0.69 | 98 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 4.0 | 98 |
| 8.02 Affordability of financial services | 3.7 | 102 |
| 8.03 Financing through local equity market | 4.0 | 42 |
| 8.04 Ease of access to loans | 2.4 | 98 |
| 8.05 Venture capital availability | 2.0 | 122 |
| 8.06 Soundness of banks | 4.6 | 93 |
| 8.07 Regulation of securities exchanges | 3.0 | 130 |
| 8.08 Legal rights index, 0–10 (best)* | 7 | 43 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 4.4 | 105 |
| 9.02 Firm-level technology absorption | 4.2 | 111 |
| 9.03 FDI and technology transfer | 4.0 | 111 |
| 9.04 Individuals using Internet, %* | 5.0 | 126 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 0.0 | 128 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 2.9 | 117 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1–7 (best)* | 4.3 | 39 |
| 10.02 Foreign market size index, 1–7 (best)* | 4.5 | 63 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 4.6 | 77 |
| 11.02 Local supplier quality | 4.3 | 81 |
| 11.03 State of cluster development | 3.9 | 57 |
| 11.04 Nature of competitive advantage | 2.5 | 138 |
| 11.05 Value chain breadth | 3.3 | 93 |
| 11.06 Control of international distribution | 3.8 | 99 |
| 11.07 Production process sophistication | 2.9 | 119 |
| 11.08 Extent of marketing | 3.3 | 119 |
| 11.09 Willingness to delegate authority | 2.8 | 138 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.4 | 131 |
| 12.02 Quality of scientific research institutions | 2.5 | 127 |
| 12.03 Company spending on R&D | 2.4 | 130 |
| 12.04 University-industry collaboration in R&D | 2.6 | 131 |
| 12.05 Gov't procurement of advanced tech products | 2.6 | 134 |
| 12.06 Availability of scientists and engineers | 3.8 | 81 |
| 12.07 PCT patents, applications/million pop.* | 0.0 | 115 |

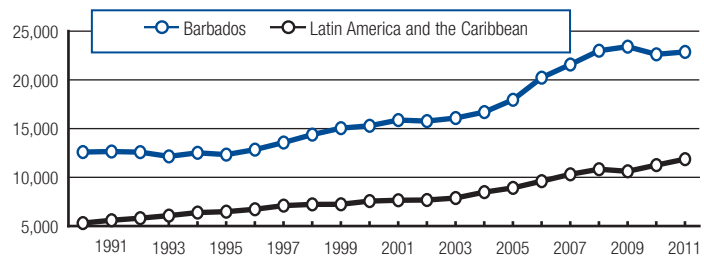
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Barbados

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 0.3 |
| GDP (US\$ billions)..... | 4.5 |
| GDP per capita (US\$)..... | 16,148 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

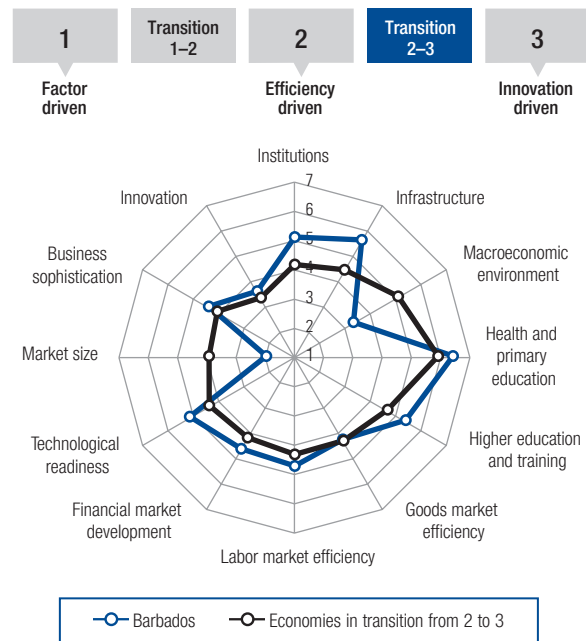
GDP (PPP) per capita (int'l \$), 1990–2011



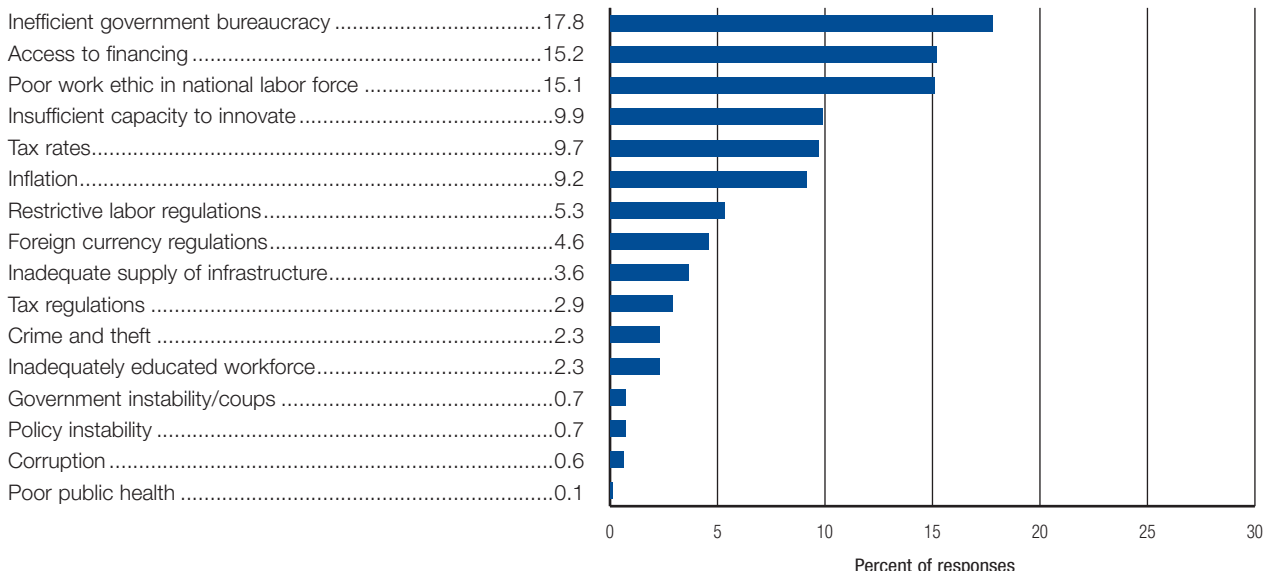
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 44 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 42 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 43 | 4.5 |
| Basic requirements (22.1%) | 38 | 5.1 |
| Institutions..... | 24 | 5.1 |
| Infrastructure..... | 22 | 5.6 |
| Macroeconomic environment..... | 134 | 3.3 |
| Health and primary education..... | 16 | 6.4 |
| Efficiency enhancers (50.0%) | 49 | 4.4 |
| Higher education and training..... | 19 | 5.4 |
| Goods market efficiency..... | 64 | 4.3 |
| Labor market efficiency..... | 29 | 4.8 |
| Financial market development..... | 33 | 4.7 |
| Technological readiness..... | 30 | 5.1 |
| Market size..... | 134 | 2.0 |
| Innovation and sophistication factors (27.9%) | 38 | 4.0 |
| Business sophistication..... | 36 | 4.4 |
| Innovation..... | 40 | 3.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Barbados

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|---------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 5.4 | 27 |
| 1.02 Intellectual property protection | 4.9 | 30 |
| 1.03 Diversion of public funds | 4.9 | 27 |
| 1.04 Public trust in politicians | 4.4 | 16 |
| 1.05 Irregular payments and bribes | 5.3 | 33 |
| 1.06 Judicial independence | 5.7 | 19 |
| 1.07 Favoritism in decisions of government officials | 3.7 | 38 |
| 1.08 Wastefulness of government spending | 4.2 | 23 |
| 1.09 Burden of government regulation | 4.4 | 13 |
| 1.10 Efficiency of legal framework in settling disputes | 4.7 | 28 |
| 1.11 Efficiency of legal framework in challenging regs. | 4.5 | 32 |
| 1.12 Transparency of government policymaking | 5.2 | 18 |
| 1.13 Gov't services for improved business performance | 4.1 | 45 |
| 1.14 Business costs of terrorism | 6.0 | 46 |
| 1.15 Business costs of crime and violence | 4.8 | 74 |
| 1.16 Organized crime | 6.3 | 16 |
| 1.17 Reliability of police services | 5.9 | 22 |
| 1.18 Ethical behavior of firms | 5.2 | 25 |
| 1.19 Strength of auditing and reporting standards | 5.7 | 17 |
| 1.20 Efficacy of corporate boards | 5.0 | 27 |
| 1.21 Protection of minority shareholders' interests | 4.9 | 29 |
| 1.22 Strength of investor protection, 0–10 (best)* | n/a | n/a |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 5.8 | 21 |
| 2.02 Quality of roads | 5.2 | 33 |
| 2.03 Quality of railroad infrastructure | n/appl. | n/a |
| 2.04 Quality of port infrastructure | 5.6 | 17 |
| 2.05 Quality of air transport infrastructure | 6.3 | 8 |
| 2.06 Available airline seat kms/week, millions* | 82.2 | 82 |
| 2.07 Quality of electricity supply | 6.3 | 24 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 127.0 | 34 |
| 2.09 Fixed telephone lines/100 pop.* | 51.4 | 11 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | -4.3 | 99 |
| 3.02 Gross national savings, % GDP* | 3.9 | 136 |
| 3.03 Inflation, annual % change* | 9.4 | 119 |
| 3.04 General government debt, % GDP* | 117.3 | 139 |
| 3.05 Country credit rating, 0–100 (best)* | 59.7 | 50 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | n/appl. | 1 |
| 4.02 Malaria cases/100,000 pop.* | (NE) | 1 |
| 4.03 Business impact of tuberculosis | 5.8 | 47 |
| 4.04 Tuberculosis cases/100,000 pop.* | 1.7 | 1 |
| 4.05 Business impact of HIV/AIDS | 4.2 | 119 |
| 4.06 HIV prevalence, % adult pop.* | 1.4 | 116 |
| 4.07 Infant mortality, deaths/1,000 live births* | 17.3 | 75 |
| 4.08 Life expectancy, years* | 76.6 | 41 |
| 4.09 Quality of primary education | 6.1 | 3 |
| 4.10 Primary education enrollment, net %* | 95.0 | 55 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 100.6 | 30 |
| 5.02 Tertiary education enrollment, gross %* | 65.9 | 24 |
| 5.03 Quality of the educational system | 5.4 | 7 |
| 5.04 Quality of math and science education | 5.6 | 7 |
| 5.05 Quality of management schools | 5.2 | 21 |
| 5.06 Internet access in schools | 5.3 | 33 |
| 5.07 Availability of research and training services | 4.6 | 42 |
| 5.08 Extent of staff training | 4.6 | 30 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 4.9 | 70 |
| 6.02 Extent of market dominance | 3.6 | 78 |
| 6.03 Effectiveness of anti-monopoly policy | 4.4 | 43 |
| 6.04 Extent and effect of taxation | 3.9 | 37 |
| 6.05 Total tax rate, % profits* | n/a | n/a |
| 6.06 No. procedures to start a business* | n/a | n/a |
| 6.07 No. days to start a business* | n/a | n/a |
| 6.08 Agricultural policy costs | 4.4 | 30 |
| 6.09 Prevalence of trade barriers | 4.5 | 61 |
| 6.10 Trade tariffs, % duty* | 28.9 | 140 |
| 6.11 Prevalence of foreign ownership | 5.5 | 19 |
| 6.12 Business impact of rules on FDI | 5.2 | 22 |
| 6.13 Burden of customs procedures | 4.4 | 51 |
| 6.14 Imports as a percentage of GDP* | 55.9 | 50 |
| 6.15 Degree of customer orientation | 4.6 | 64 |
| 6.16 Buyer sophistication | 3.9 | 39 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 5.2 | 18 |
| 7.02 Flexibility of wage determination | 4.7 | 98 |
| 7.03 Hiring and firing practices | 4.2 | 47 |
| 7.04 Redundancy costs, weeks of salary* | n/a | n/a |
| 7.05 Pay and productivity | 3.7 | 86 |
| 7.06 Reliance on professional management | 5.2 | 29 |
| 7.07 Brain drain | 4.7 | 24 |
| 7.08 Women in labor force, ratio to men* | 0.90 | 28 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 5.1 | 39 |
| 8.02 Affordability of financial services | 4.5 | 51 |
| 8.03 Financing through local equity market | 3.1 | 92 |
| 8.04 Ease of access to loans | 2.7 | 79 |
| 8.05 Venture capital availability | 2.3 | 94 |
| 8.06 Soundness of banks | 6.4 | 10 |
| 8.07 Regulation of securities exchanges | 5.2 | 24 |
| 8.08 Legal rights index, 0–10 (best)* | n/a | n/a |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 6.0 | 28 |
| 9.02 Firm-level technology absorption | 5.4 | 37 |
| 9.03 FDI and technology transfer | 5.0 | 37 |
| 9.04 Individuals using Internet, %* | 71.8 | 31 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 22.1 | 30 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 38.2 | 38 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1–7 (best)* | 1.7 | 135 |
| 10.02 Foreign market size index, 1–7 (best)* | 2.7 | 133 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 4.7 | 73 |
| 11.02 Local supplier quality | 4.9 | 43 |
| 11.03 State of cluster development | 3.6 | 76 |
| 11.04 Nature of competitive advantage | 5.1 | 22 |
| 11.05 Value chain breadth | 3.9 | 46 |
| 11.06 Control of international distribution | 4.2 | 55 |
| 11.07 Production process sophistication | 4.0 | 53 |
| 11.08 Extent of marketing | 4.5 | 40 |
| 11.09 Willingness to delegate authority | 4.2 | 39 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.9 | 91 |
| 12.02 Quality of scientific research institutions | 4.2 | 41 |
| 12.03 Company spending on R&D | 3.1 | 72 |
| 12.04 University-industry collaboration in R&D | 4.3 | 38 |
| 12.05 Gov't procurement of advanced tech products | 4.0 | 34 |
| 12.06 Availability of scientists and engineers | 4.3 | 54 |
| 12.07 PCT patents, applications/million pop.* | 11.5 | 32 |

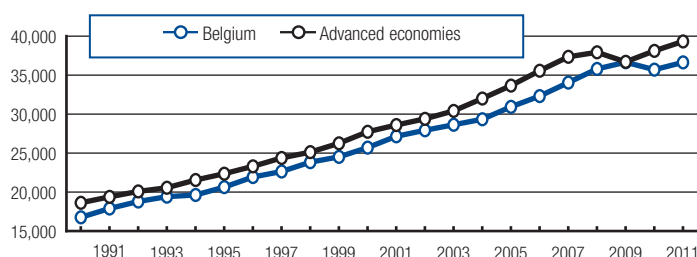
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Belgium

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 11.3 |
| GDP (US\$ billions)..... | 513.4 |
| GDP per capita (US\$)..... | 46,878 |
| GDP (PPP) as share (%) of world total..... | 0.52 |

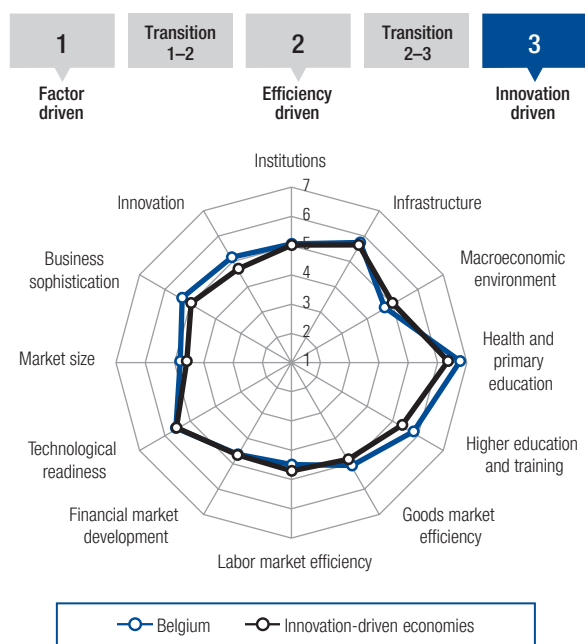
GDP (PPP) per capita (int'l \$), 1990–2011



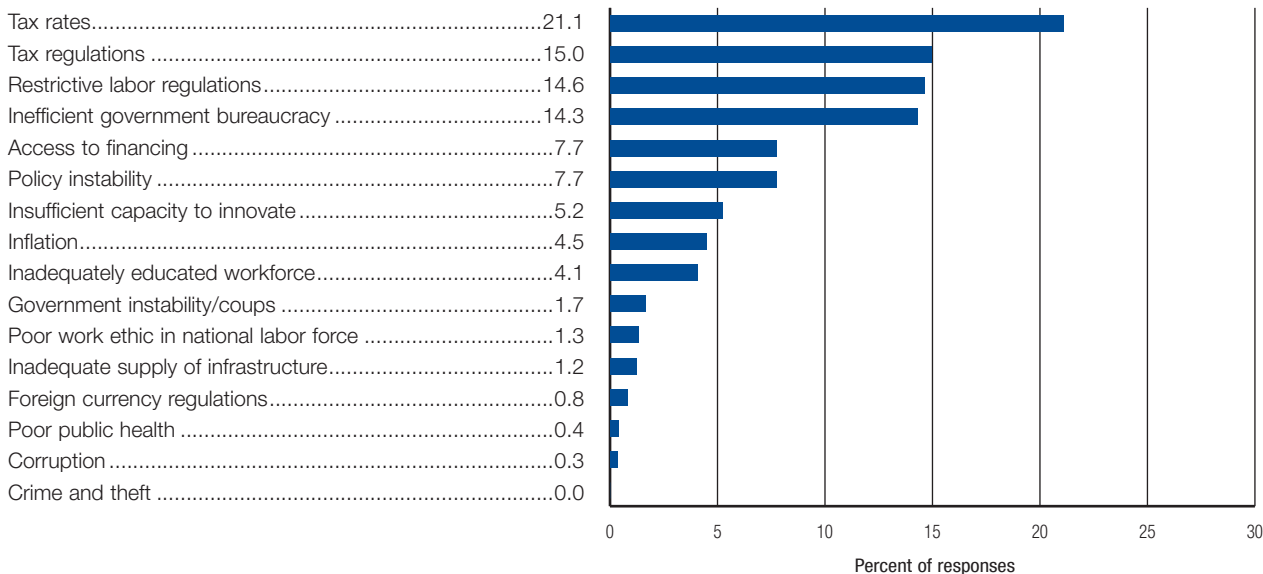
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 17 | 5.2 |
| GCI 2011–2012 (out of 142)..... | 15 | 5.2 |
| GCI 2010–2011 (out of 139)..... | 19 | 5.1 |
| Basic requirements (20.0%) | 22 | 5.5 |
| Institutions..... | 27 | 5.0 |
| Infrastructure..... | 21 | 5.7 |
| Macroeconomic environment..... | 66 | 4.7 |
| Health and primary education..... | 2 | 6.8 |
| Efficiency enhancers (50.0%) | 17 | 5.1 |
| Higher education and training..... | 4 | 5.8 |
| Goods market efficiency..... | 15 | 5.1 |
| Labor market efficiency..... | 50 | 4.5 |
| Financial market development..... | 31 | 4.7 |
| Technological readiness..... | 22 | 5.6 |
| Market size..... | 27 | 4.8 |
| Innovation and sophistication factors (30.0%) | 13 | 5.2 |
| Business sophistication..... | 12 | 5.3 |
| Innovation..... | 11 | 5.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Belgium

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.3 | 31 | 6.01 | Intensity of local competition | 6.0 | 4 |
| 1.02 | Intellectual property protection | 5.2 | 24 | 6.02 | Extent of market dominance | 5.2 | 10 |
| 1.03 | Diversion of public funds | 5.2 | 21 | 6.03 | Effectiveness of anti-monopoly policy | 4.7 | 30 |
| 1.04 | Public trust in politicians | 3.5 | 40 | 6.04 | Extent and effect of taxation | 2.3 | 140 |
| 1.05 | Irregular payments and bribes | 5.6 | 27 | 6.05 | Total tax rate, % profits* | 57.3 | 121 |
| 1.06 | Judicial independence | 5.2 | 28 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 4.1 | 27 | 6.07 | No. days to start a business* | 4 | 8 |
| 1.08 | Wastefulness of government spending | 3.6 | 46 | 6.08 | Agricultural policy costs | 4.2 | 42 |
| 1.09 | Burden of government regulation | 2.6 | 133 | 6.09 | Prevalence of trade barriers | 5.4 | 12 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.2 | 45 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2 | 41 | 6.11 | Prevalence of foreign ownership | 5.7 | 11 |
| 1.12 | Transparency of government policymaking | 4.4 | 62 | 6.12 | Business impact of rules on FDI | 5.2 | 23 |
| 1.13 | Gov't services for improved business performance | 4.2 | 34 | 6.13 | Burden of customs procedures | 4.9 | 28 |
| 1.14 | Business costs of terrorism | 6.2 | 26 | 6.14 | Imports as a percentage of GDP* | 105.7 | 6 |
| 1.15 | Business costs of crime and violence | 5.8 | 21 | 6.15 | Degree of customer orientation | 5.6 | 10 |
| 1.16 | Organized crime | 6.1 | 27 | 6.16 | Buyer sophistication | 4.5 | 13 |
| 1.17 | Reliability of police services | 5.7 | 24 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.4 | 20 | 7.01 | Cooperation in labor-employer relations | 4.4 | 55 |
| 1.19 | Strength of auditing and reporting standards | 5.6 | 21 | 7.02 | Flexibility of wage determination | 3.6 | 132 |
| 1.20 | Efficacy of corporate boards | 5.2 | 20 | 7.03 | Hiring and firing practices | 2.9 | 132 |
| 1.21 | Protection of minority shareholders' interests | 4.9 | 27 | 7.04 | Redundancy costs, weeks of salary* | 6 | 17 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 3.6 | 90 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.4 | 20 | |
| 2.01 | Quality of overall infrastructure | 5.9 | 17 | 7.07 | Brain drain | 4.7 | 20 |
| 2.02 | Quality of roads | 5.5 | 26 | 7.08 | Women in labor force, ratio to men* | 0.84 | 59 |
| 2.03 | Quality of railroad infrastructure | 5.2 | 13 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.3 | 6 | 8.01 | Availability of financial services | 6.0 | 11 |
| 2.05 | Quality of air transport infrastructure | 6.2 | 14 | 8.02 | Affordability of financial services | 5.1 | 25 |
| 2.06 | Available airline seat kms/week, millions* | 567.9 | 35 | 8.03 | Financing through local equity market | 4.1 | 39 |
| 2.07 | Quality of electricity supply | 6.6 | 13 | 8.04 | Ease of access to loans | 3.8 | 19 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 116.6 | 51 | 8.05 | Venture capital availability | 3.5 | 23 |
| 2.09 | Fixed telephone lines/100 pop.* | 43.1 | 22 | 8.06 | Soundness of banks | 4.4 | 116 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.0 | 32 | |
| 3.01 | Government budget balance, % GDP* | -4.2 | 96 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 21.1 | 67 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.5 | 45 | 9.01 | Availability of latest technologies | 6.5 | 9 |
| 3.04 | General government debt, % GDP* | 98.5 | 133 | 9.02 | Firm-level technology absorption | 5.6 | 31 |
| 3.05 | Country credit rating, 0-100 (best)* | 79.4 | 23 | 9.03 | FDI and technology transfer | 5.2 | 19 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 78.0 | 19 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 33.0 | 9 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 131.1 | 12 |
| 4.03 | Business impact of tuberculosis | 6.5 | 15 | 9.07 | Mobile broadband subscriptions/100 pop.* | 19.4 | 50 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 8.7 | 26 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.0 | 28 | 10.01 | Domestic market size index, 1-7 (best)* | 4.5 | 30 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 5.8 | 17 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.5 | 19 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.9 | 24 | 11.01 | Local supplier quantity | 5.7 | 4 |
| 4.09 | Quality of primary education | 6.4 | 2 | 11.02 | Local supplier quality | 5.8 | 6 |
| 4.10 | Primary education enrollment, net %* | 98.8 | 17 | 11.03 | State of cluster development | 4.6 | 20 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.8 | 10 | |
| 5.01 | Secondary education enrollment, gross %* | 110.5 | 10 | 11.05 | Value chain breadth | 5.2 | 11 |
| 5.02 | Tertiary education enrollment, gross %* | 67.5 | 22 | 11.06 | Control of international distribution | 4.4 | 38 |
| 5.03 | Quality of the educational system | 5.4 | 5 | 11.07 | Production process sophistication | 5.9 | 8 |
| 5.04 | Quality of math and science education | 6.2 | 3 | 11.08 | Extent of marketing | 5.4 | 15 |
| 5.05 | Quality of management schools | 6.0 | 2 | 11.09 | Willingness to delegate authority | 5.0 | 15 |
| 5.06 | Internet access in schools | 5.7 | 28 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.9 | 5 | 12.01 | Capacity for innovation | 5.0 | 11 |
| 5.08 | Extent of staff training | 4.8 | 20 | 12.02 | Quality of scientific research institutions | 5.9 | 4 |
| | | | | 12.03 | Company spending on R&D | 4.7 | 17 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.5 | 6 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.1 | 25 |
| | | | | 12.06 | Availability of scientists and engineers | 5.0 | 19 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 102.4 | 16 |

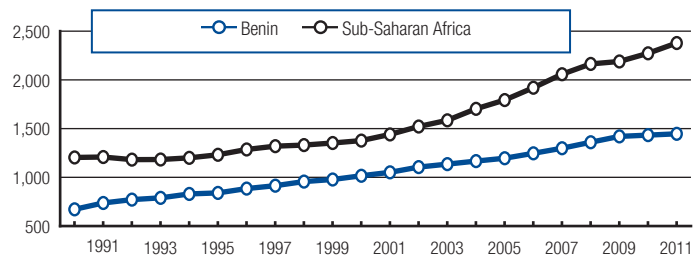
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Benin

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 9.1 |
| GDP (US\$ billions)..... | 7.3 |
| GDP per capita (US\$)..... | 737 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

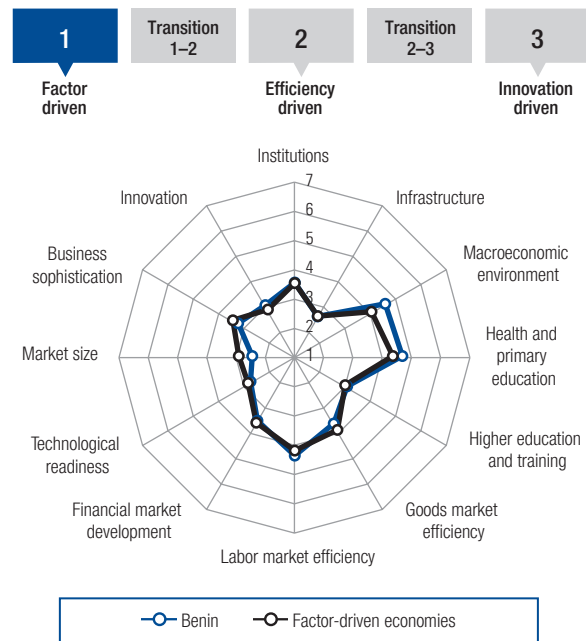
GDP (PPP) per capita (int'l \$), 1990–2011



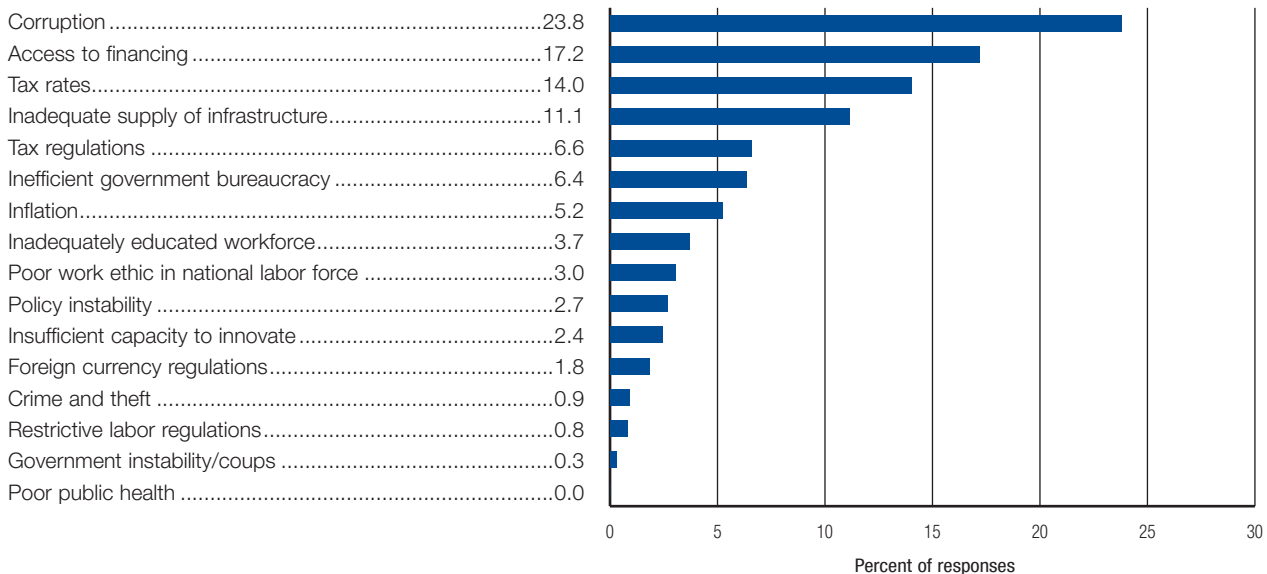
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 119 | 3.6 |
| GCI 2011–2012 (out of 142)..... | 104 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 103 | 3.7 |
| Basic requirements (60.0%) | 113 | 3.8 |
| Institutions..... | 99 | 3.5 |
| Infrastructure..... | 122 | 2.6 |
| Macroeconomic environment..... | 76 | 4.6 |
| Health and primary education..... | 111 | 4.7 |
| Efficiency enhancers (35.0%) | 125 | 3.3 |
| Higher education and training..... | 120 | 3.1 |
| Goods market efficiency..... | 132 | 3.7 |
| Labor market efficiency..... | 67 | 4.4 |
| Financial market development..... | 112 | 3.6 |
| Technological readiness..... | 124 | 2.7 |
| Market size..... | 122 | 2.5 |
| Innovation and sophistication factors (5.0%) | 111 | 3.1 |
| Business sophistication..... | 125 | 3.2 |
| Innovation..... | 84 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.9 | 90 | 6.01 | Intensity of local competition | 4.5 | 93 |
| 1.02 | Intellectual property protection | 3.2 | 91 | 6.02 | Extent of market dominance | 3.8 | 66 |
| 1.03 | Diversion of public funds | 2.6 | 112 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 92 |
| 1.04 | Public trust in politicians | 2.3 | 98 | 6.04 | Extent and effect of taxation | 2.8 | 124 |
| 1.05 | Irregular payments and bribes | 2.5 | 136 | 6.05 | Total tax rate, % profits* | 66.0 | 129 |
| 1.06 | Judicial independence | 2.9 | 101 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.1 | 65 | 6.07 | No. days to start a business* | 29 | 99 |
| 1.08 | Wastefulness of government spending | 3.7 | 40 | 6.08 | Agricultural policy costs | 3.0 | 137 |
| 1.09 | Burden of government regulation | 3.0 | 106 | 6.09 | Prevalence of trade barriers | 3.3 | 138 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 91 | 6.10 | Trade tariffs, % duty* | 11.4 | 116 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.7 | 66 | 6.11 | Prevalence of foreign ownership | 3.5 | 128 |
| 1.12 | Transparency of government policymaking | 3.8 | 108 | 6.12 | Business impact of rules on FDI | 3.6 | 125 |
| 1.13 | Gov't services for improved business performance | 3.9 | 52 | 6.13 | Burden of customs procedures | 3.1 | 128 |
| 1.14 | Business costs of terrorism | 5.1 | 101 | 6.14 | Imports as a percentage of GDP* | 41.4 | 81 |
| 1.15 | Business costs of crime and violence | 4.5 | 89 | 6.15 | Degree of customer orientation | 4.5 | 89 |
| 1.16 | Organized crime | 4.6 | 103 | 6.16 | Buyer sophistication | 2.4 | 130 |
| 1.17 | Reliability of police services | 4.4 | 61 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 97 | 7.01 | Cooperation in labor-employer relations | 3.9 | 106 |
| 1.19 | Strength of auditing and reporting standards | 3.3 | 137 | 7.02 | Flexibility of wage determination | 5.5 | 24 |
| 1.20 | Efficacy of corporate boards | 4.6 | 60 | 7.03 | Hiring and firing practices | 4.0 | 64 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 100 | 7.04 | Redundancy costs, weeks of salary* | 12 | 49 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.3 | 125 | 7.05 | Pay and productivity | 3.1 | 125 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 127 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 121 | 7.07 | Brain drain | 3.4 | 73 |
| 2.02 | Quality of roads | 3.1 | 104 | 7.08 | Women in labor force, ratio to men* | 0.87 | 39 |
| 2.03 | Quality of railroad infrastructure | 1.6 | 107 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 95 | 8.01 | Availability of financial services | 3.5 | 128 |
| 2.05 | Quality of air transport infrastructure | 3.4 | 123 | 8.02 | Affordability of financial services | 3.3 | 124 |
| 2.06 | Available airline seat kms/week, millions* | 20.9 | 120 | 8.03 | Financing through local equity market | 3.0 | 102 |
| 2.07 | Quality of electricity supply | 2.5 | 122 | 8.04 | Ease of access to loans | 2.3 | 113 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 85.3 | 102 | 8.05 | Venture capital availability | 2.2 | 102 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.7 | 121 | 8.06 | Soundness of banks | 4.9 | 81 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.1 | 125 | |
| 3.01 | Government budget balance, % GDP* | -1.4 | 43 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 9.8 | 126 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.7 | 1 | 9.01 | Availability of latest technologies | 4.2 | 113 |
| 3.04 | General government debt, % GDP* | 31.3 | 45 | 9.02 | Firm-level technology absorption | 4.2 | 114 |
| 3.05 | Country credit rating, 0-100 (best)* | 24.2 | 118 | 9.03 | FDI and technology transfer | 3.8 | 125 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 3.5 | 131 | |
| 4.01 | Business impact of malaria | 3.8 | 123 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 129 |
| 4.02 | Malaria cases/100,000 pop.* | 27,461.1 | 131 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 3.4 | 116 |
| 4.03 | Business impact of tuberculosis | 4.3 | 115 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 94.0 | 90 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.2 | 118 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 123 |
| 4.06 | HIV prevalence, % adult pop.* | 1.2 | 110 | 10.02 | Foreign market size index, 1-7 (best)* | 2.8 | 124 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 73.2 | 132 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 55.6 | 125 | 11.01 | Local supplier quantity | 3.7 | 139 |
| 4.09 | Quality of primary education | 3.4 | 90 | 11.02 | Local supplier quality | 3.7 | 126 |
| 4.10 | Primary education enrollment, net %* | 93.8 | 66 | 11.03 | State of cluster development | 2.6 | 136 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 102 | |
| 5.01 | Secondary education enrollment, gross %* | 37.1 | 127 | 11.05 | Value chain breadth | 3.2 | 100 |
| 5.02 | Tertiary education enrollment, gross %* | 10.6 | 108 | 11.06 | Control of international distribution | 3.3 | 129 |
| 5.03 | Quality of the educational system | 3.6 | 71 | 11.07 | Production process sophistication | 3.5 | 81 |
| 5.04 | Quality of math and science education | 4.3 | 51 | 11.08 | Extent of marketing | 3.0 | 125 |
| 5.05 | Quality of management schools | 4.4 | 53 | 11.09 | Willingness to delegate authority | 3.0 | 124 |
| 5.06 | Internet access in schools | 2.5 | 127 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 76 | 12.01 | Capacity for innovation | 2.5 | 121 |
| 5.08 | Extent of staff training | 3.1 | 133 | 12.02 | Quality of scientific research institutions | 3.2 | 101 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 77 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 114 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 62 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 39 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 111 |

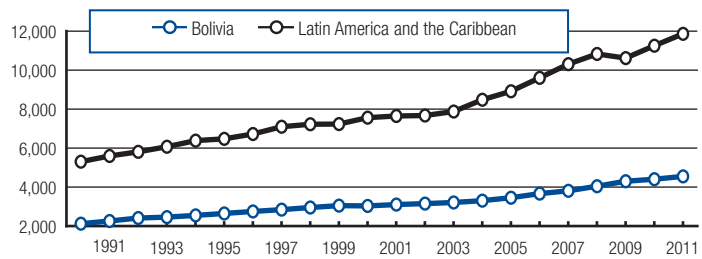
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Bolivia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 10.2 |
| GDP (US\$ billions)..... | 24.6 |
| GDP per capita (US\$)..... | 2,315 |
| GDP (PPP) as share (%) of world total..... | 0.07 |

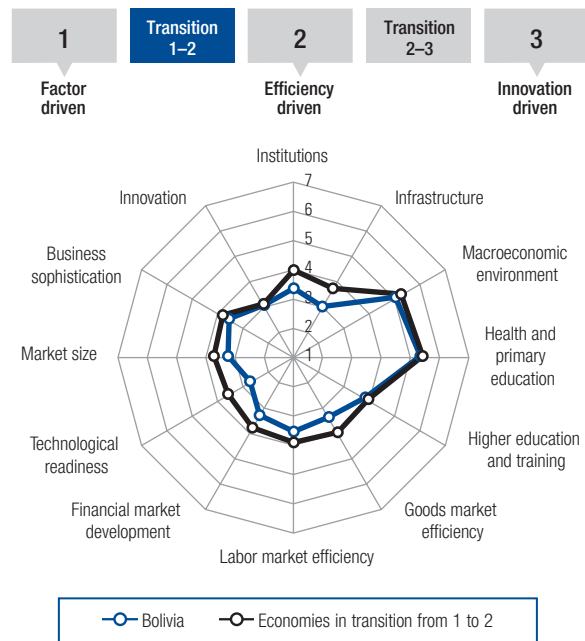
GDP (PPP) per capita (int'l \$), 1990–2011



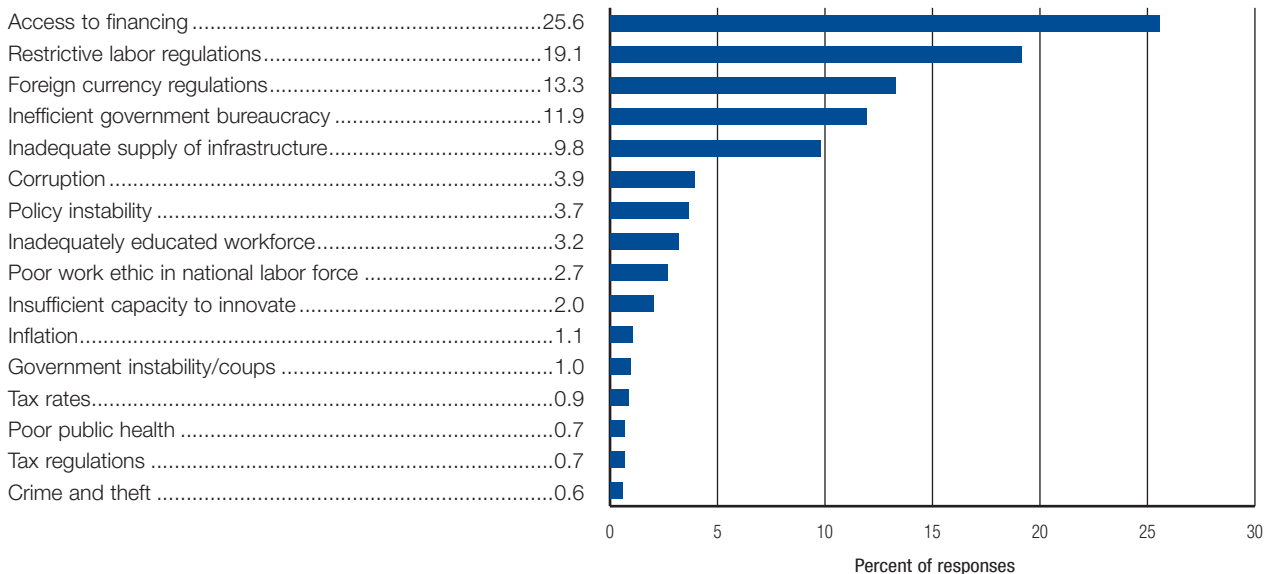
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 104 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 103 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 108 | 3.6 |
| Basic requirements (53.7%) | 94 | 4.2 |
| Institutions..... | 119 | 3.3 |
| Infrastructure..... | 108 | 3.0 |
| Macroeconomic environment..... | 49 | 5.0 |
| Health and primary education..... | 97 | 5.3 |
| Efficiency enhancers (39.7%) | 122 | 3.4 |
| Higher education and training..... | 92 | 3.8 |
| Goods market efficiency..... | 138 | 3.4 |
| Labor market efficiency..... | 132 | 3.6 |
| Financial market development..... | 126 | 3.3 |
| Technological readiness..... | 127 | 2.7 |
| Market size..... | 82 | 3.2 |
| Innovation and sophistication factors (6.6%) | 100 | 3.3 |
| Business sophistication..... | 103 | 3.5 |
| Innovation..... | 83 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|--------------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.2 | 128 | 6.01 | Intensity of local competition | 3.7 | 135 |
| 1.02 | Intellectual property protection | 3.2 | 88 | 6.02 | Extent of market dominance | 3.6 | 81 |
| 1.03 | Diversion of public funds | 3.3 | 67 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 122 |
| 1.04 | Public trust in politicians | 3.0 | 62 | 6.04 | Extent and effect of taxation | 3.4 | 76 |
| 1.05 | Irregular payments and bribes | 2.3 | 143 | 6.05 | Total tax rate, % profits* | 80.0 | 137 |
| 1.06 | Judicial independence | 3.1 | 97 | 6.06 | No. procedures to start a business* | 15 | 137 |
| 1.07 | Favoritism in decisions of government officials | 3.2 | 58 | 6.07 | No. days to start a business* | 50 | 126 |
| 1.08 | Wastefulness of government spending | 3.3 | 68 | 6.08 | Agricultural policy costs | 3.6 | 99 |
| 1.09 | Burden of government regulation | 3.5 | 59 | 6.09 | Prevalence of trade barriers | 3.4 | 134 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.2 | 104 | 6.10 | Trade tariffs, % duty* | 8.6 | 97 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 99 | 6.11 | Prevalence of foreign ownership | 3.5 | 130 |
| 1.12 | Transparency of government policymaking | 3.5 | 130 | 6.12 | Business impact of rules on FDI | 3.4 | 130 |
| 1.13 | Gov't services for improved business performance | 3.4 | 89 | 6.13 | Burden of customs procedures | 3.3 | 120 |
| 1.14 | Business costs of terrorism | 3.9 | 136 | 6.14 | Imports as a percentage of GDP* | 32.9 | 108 |
| 1.15 | Business costs of crime and violence | 3.8 | 109 | 6.15 | Degree of customer orientation | 3.5 | 140 |
| 1.16 | Organized crime | 3.9 | 128 | 6.16 | Buyer sophistication | 3.6 | 58 |
| 1.17 | Reliability of police services | 3.0 | 122 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.4 | 114 | 7.01 | Cooperation in labor-employer relations | 3.8 | 123 |
| 1.19 | Strength of auditing and reporting standards | 3.7 | 128 | 7.02 | Flexibility of wage determination | 3.8 | 128 |
| 1.20 | Efficacy of corporate boards | 3.7 | 138 | 7.03 | Hiring and firing practices | 3.6 | 94 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 115 | 7.04 | Redundancy costs, weeks of salary* | not possible | 140 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.6 | 92 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 114 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 118 | 7.07 | Brain drain | 3.4 | 77 |
| 2.02 | Quality of roads | 3.1 | 101 | 7.08 | Women in labor force, ratio to men* | 0.80 | 71 |
| 2.03 | Quality of railroad infrastructure | 3.0 | 57 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.3 | 122 | 8.01 | Availability of financial services | 3.5 | 126 |
| 2.05 | Quality of air transport infrastructure | 3.5 | 118 | 8.02 | Affordability of financial services | 3.5 | 110 |
| 2.06 | Available airline seat kms/week, millions* | 57.7 | 93 | 8.03 | Financing through local equity market | 3.6 | 59 |
| 2.07 | Quality of electricity supply | 3.8 | 97 | 8.04 | Ease of access to loans | 3.6 | 27 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 82.8 | 106 | 8.05 | Venture capital availability | 3.3 | 30 |
| 2.09 | Fixed telephone lines/100 pop.* | 8.7 | 97 | 8.06 | Soundness of banks | 3.9 | 130 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 81 | |
| 3.01 | Government budget balance, % GDP* | 0.8 | 25 | 8.08 | Legal rights index, 0-10 (best)* | 1 | 140 |
| 3.02 | Gross national savings, % GDP* | 24.0 | 52 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 9.9 | 123 | 9.01 | Availability of latest technologies | 3.6 | 134 |
| 3.04 | General government debt, % GDP* | 32.9 | 49 | 9.02 | Firm-level technology absorption | 3.7 | 138 |
| 3.05 | Country credit rating, 0-100 (best)* | 36.1 | 88 | 9.03 | FDI and technology transfer | 3.6 | 134 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 30.0 | 89 | |
| 4.01 | Business impact of malaria | 4.1 | 119 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.7 | 107 |
| 4.02 | Malaria cases/100,000 pop.* | 177.1 | 99 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.2 | 113 |
| 4.03 | Business impact of tuberculosis | 3.2 | 137 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.9 | 101 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 135.0 | 102 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.0 | 134 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1 | 87 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 3.8 | 88 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 41.7 | 109 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 66.3 | 108 | 11.01 | Local supplier quantity | 3.7 | 138 |
| 4.09 | Quality of primary education | 3.2 | 104 | 11.02 | Local supplier quality | 3.7 | 127 |
| 4.10 | Primary education enrollment, net %* | 94.2 | 61 | 11.03 | State of cluster development | 3.5 | 83 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 67 | |
| 5.01 | Secondary education enrollment, gross %* | 80.2 | 91 | 11.05 | Value chain breadth | 3.5 | 79 |
| 5.02 | Tertiary education enrollment, gross %* | 38.6 | 64 | 11.06 | Control of international distribution | 3.8 | 97 |
| 5.03 | Quality of the educational system | 3.3 | 96 | 11.07 | Production process sophistication | 3.4 | 88 |
| 5.04 | Quality of math and science education | 3.5 | 103 | 11.08 | Extent of marketing | 3.3 | 116 |
| 5.05 | Quality of management schools | 3.4 | 120 | 11.09 | Willingness to delegate authority | 3.7 | 79 |
| 5.06 | Internet access in schools | 3.4 | 100 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 107 | 12.01 | Capacity for innovation | 3.2 | 61 |
| 5.08 | Extent of staff training | 3.6 | 103 | 12.02 | Quality of scientific research institutions | 3.3 | 94 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 71 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 88 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 79 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 108 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 107 |

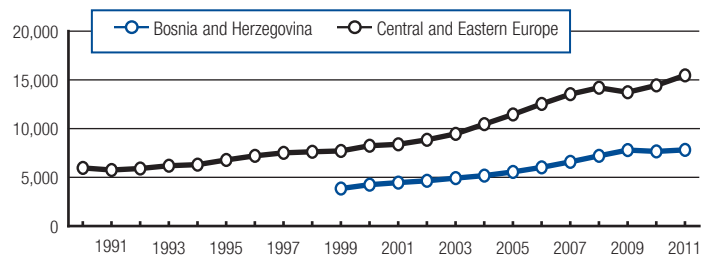
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Bosnia and Herzegovina

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.9 |
| GDP (US\$ billions)..... | 18.0 |
| GDP per capita (US\$)..... | 4,618 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

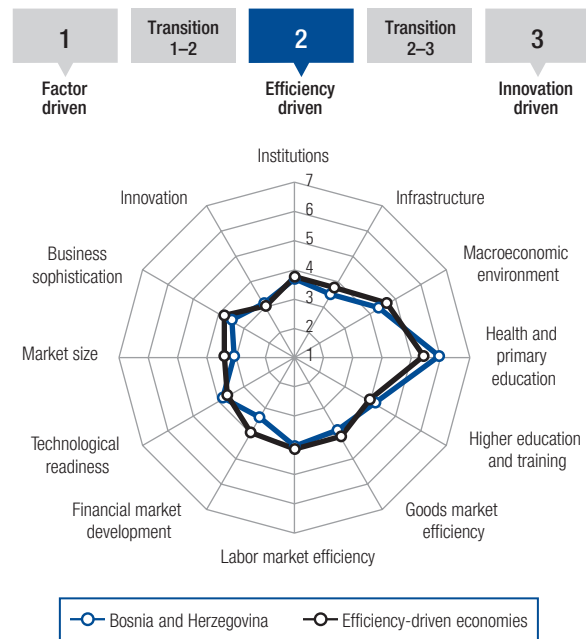
GDP (PPP) per capita (int'l \$), 1990–2011



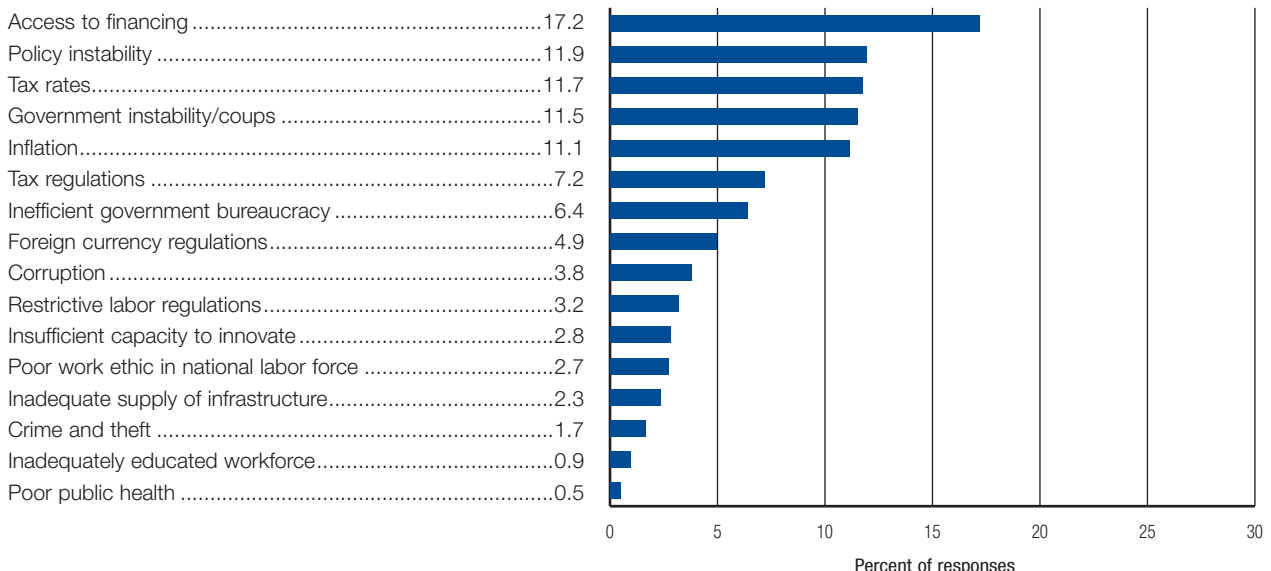
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 88 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 100 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 102 | 3.7 |
| Basic requirements (40.0%) | 81 | 4.3 |
| Institutions..... | 85 | 3.6 |
| Infrastructure..... | 94 | 3.4 |
| Macroeconomic environment..... | 97 | 4.3 |
| Health and primary education..... | 48 | 5.9 |
| Efficiency enhancers (50.0%) | 97 | 3.7 |
| Higher education and training..... | 72 | 4.2 |
| Goods market efficiency..... | 109 | 3.9 |
| Labor market efficiency..... | 99 | 4.1 |
| Financial market development..... | 119 | 3.4 |
| Technological readiness..... | 68 | 3.8 |
| Market size..... | 93 | 3.1 |
| Innovation and sophistication factors (10.0%) | 99 | 3.3 |
| Business sophistication..... | 109 | 3.5 |
| Innovation..... | 80 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Bosnia and Herzegovina

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.3 | 121 | 6.01 | Intensity of local competition | 3.6 | 138 |
| 1.02 | Intellectual property protection | 2.5 | 130 | 6.02 | Extent of market dominance | 3.1 | 127 |
| 1.03 | Diversion of public funds | 3.5 | 56 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 86 |
| 1.04 | Public trust in politicians | 2.6 | 80 | 6.04 | Extent and effect of taxation | 3.1 | 109 |
| 1.05 | Irregular payments and bribes | 4.1 | 63 | 6.05 | Total tax rate, % profits* | 25.0 | 21 |
| 1.06 | Judicial independence | 3.5 | 78 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 70 | 6.07 | No. days to start a business* | 40 | 120 |
| 1.08 | Wastefulness of government spending | 2.0 | 139 | 6.08 | Agricultural policy costs | 3.6 | 100 |
| 1.09 | Burden of government regulation | 3.2 | 84 | 6.09 | Prevalence of trade barriers | 4.2 | 85 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.2 | 105 | 6.10 | Trade tariffs, % duty* | 5.1 | 68 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 87 | 6.11 | Prevalence of foreign ownership | 4.4 | 86 |
| 1.12 | Transparency of government policymaking | 3.8 | 112 | 6.12 | Business impact of rules on FDI | 4.0 | 108 |
| 1.13 | Gov't services for improved business performance | 3.8 | 60 | 6.13 | Burden of customs procedures | 3.9 | 80 |
| 1.14 | Business costs of terrorism | 6.4 | 10 | 6.14 | Imports as a percentage of GDP* | 64.5 | 40 |
| 1.15 | Business costs of crime and violence | 5.4 | 39 | 6.15 | Degree of customer orientation | 4.5 | 83 |
| 1.16 | Organized crime | 5.2 | 74 | 6.16 | Buyer sophistication | 2.7 | 124 |
| 1.17 | Reliability of police services | 4.9 | 45 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 134 | 7.01 | Cooperation in labor-employer relations | 4.1 | 89 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 119 | 7.02 | Flexibility of wage determination | 4.8 | 91 |
| 1.20 | Efficacy of corporate boards | 4.6 | 61 | 7.03 | Hiring and firing practices | 4.4 | 38 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 138 | 7.04 | Redundancy costs, weeks of salary* | 9 | 32 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 3.6 | 98 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 84 | |
| 2.01 | Quality of overall infrastructure | 2.7 | 139 | 7.07 | Brain drain | 1.9 | 140 |
| 2.02 | Quality of roads | 2.5 | 134 | 7.08 | Women in labor force, ratio to men* | 0.63 | 110 |
| 2.03 | Quality of railroad infrastructure | 2.5 | 74 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 1.7 | 142 | 8.01 | Availability of financial services | 3.7 | 121 |
| 2.05 | Quality of air transport infrastructure | 2.3 | 143 | 8.02 | Affordability of financial services | 3.5 | 113 |
| 2.06 | Available airline seat kms/week, millions* | 5.9 | 138 | 8.03 | Financing through local equity market | 3.1 | 90 |
| 2.07 | Quality of electricity supply | 6.0 | 31 | 8.04 | Ease of access to loans | 2.0 | 123 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 84.5 | 104 | 8.05 | Venture capital availability | 1.9 | 127 |
| 2.09 | Fixed telephone lines/100 pop.* | 25.5 | 48 | 8.06 | Soundness of banks | 4.4 | 113 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.5 | 112 | |
| 3.01 | Government budget balance, % GDP* | -3.1 | 73 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 10.9 | 123 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.7 | 52 | 9.01 | Availability of latest technologies | 4.6 | 89 |
| 3.04 | General government debt, % GDP* | 40.6 | 74 | 9.02 | Firm-level technology absorption | 4.3 | 105 |
| 3.05 | Country credit rating, 0-100 (best)* | 28.5 | 109 | 9.03 | FDI and technology transfer | 4.2 | 98 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 60.0 | 42 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 11.5 | 51 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 17.8 | 66 |
| 4.03 | Business impact of tuberculosis | 6.6 | 10 | 9.07 | Mobile broadband subscriptions/100 pop.* | 9.2 | 70 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 50.0 | 72 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.7 | 2 | 10.01 | Domestic market size index, 1-7 (best)* | 2.9 | 91 |
| 4.06 | HIV prevalence, % adult pop.* | <0.1 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6 | 94 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 7.5 | 45 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.4 | 49 | 11.01 | Local supplier quantity | 4.4 | 93 |
| 4.09 | Quality of primary education | 5.0 | 23 | 11.02 | Local supplier quality | 4.3 | 83 |
| 4.10 | Primary education enrollment, net %* | 87.0 | 109 | 11.03 | State of cluster development | 2.6 | 135 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.6 | 130 | |
| 5.01 | Secondary education enrollment, gross %* | 91.1 | 60 | 11.05 | Value chain breadth | 3.0 | 117 |
| 5.02 | Tertiary education enrollment, gross %* | 37.2 | 68 | 11.06 | Control of international distribution | 3.5 | 122 |
| 5.03 | Quality of the educational system | 3.1 | 106 | 11.07 | Production process sophistication | 3.4 | 90 |
| 5.04 | Quality of math and science education | 5.0 | 21 | 11.08 | Extent of marketing | 3.7 | 99 |
| 5.05 | Quality of management schools | 4.4 | 50 | 11.09 | Willingness to delegate authority | 3.7 | 76 |
| 5.06 | Internet access in schools | 4.2 | 71 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.4 | 113 | 12.01 | Capacity for innovation | 2.8 | 101 |
| 5.08 | Extent of staff training | 3.5 | 109 | 12.02 | Quality of scientific research institutions | 3.6 | 72 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 90 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.9 | 48 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 94 |
| | | | | 12.06 | Availability of scientists and engineers | 4.4 | 48 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.1 | 50 |

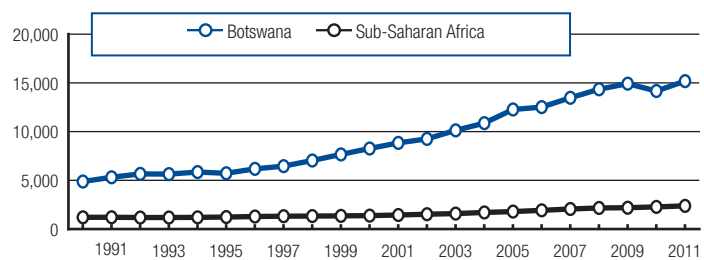
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Botswana

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.0 |
| GDP (US\$ billions)..... | 17.6 |
| GDP per capita (US\$)..... | 9,481 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

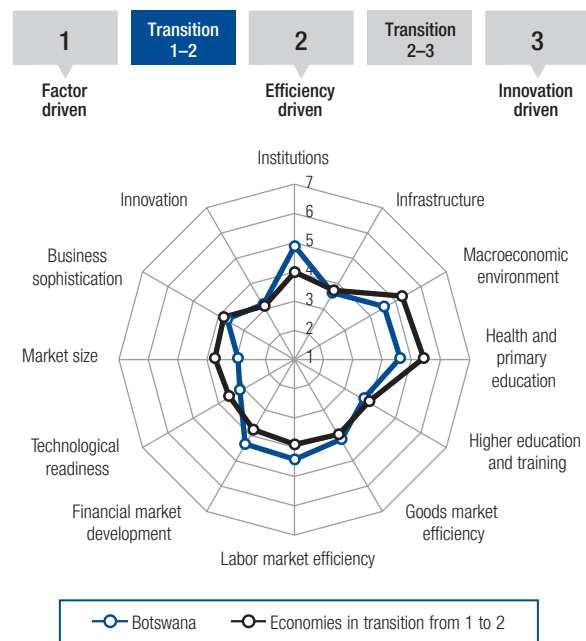
GDP (PPP) per capita (int'l \$), 1990–2011



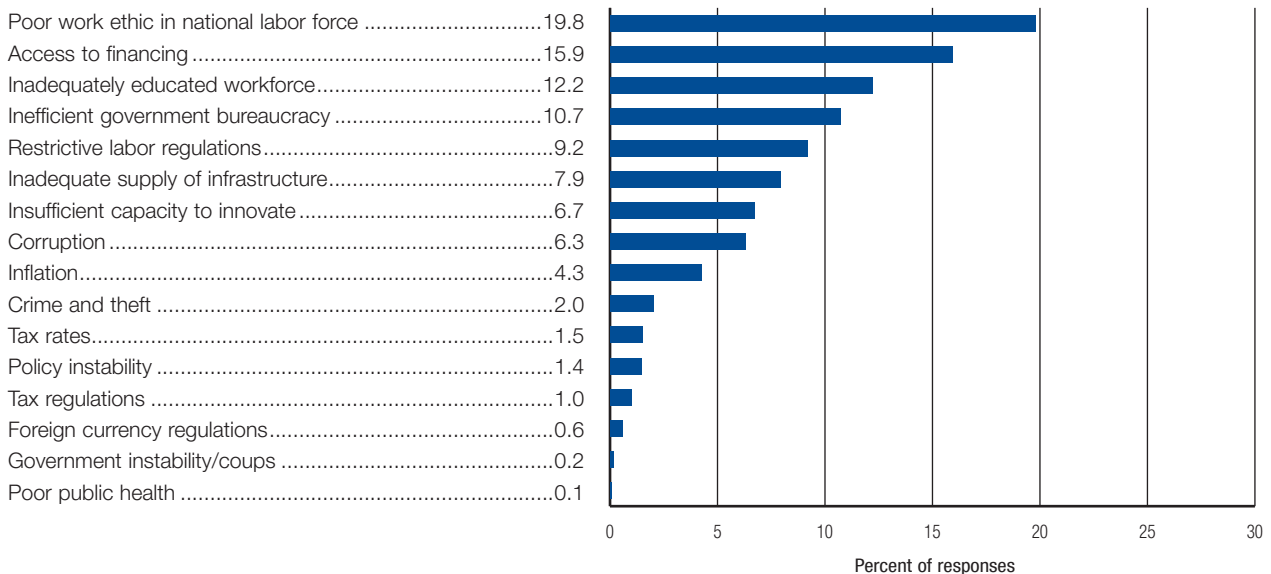
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 79 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 80 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 76 | 4.1 |
| Basic requirements (48.5%) | 78 | 4.4 |
| Institutions..... | 33 | 4.8 |
| Infrastructure..... | 87 | 3.6 |
| Macroeconomic environment..... | 81 | 4.5 |
| Health and primary education..... | 114 | 4.6 |
| Efficiency enhancers (43.6%) | 89 | 3.8 |
| Higher education and training..... | 95 | 3.7 |
| Goods market efficiency..... | 78 | 4.2 |
| Labor market efficiency..... | 60 | 4.5 |
| Financial market development..... | 53 | 4.4 |
| Technological readiness..... | 106 | 3.2 |
| Market size..... | 97 | 2.9 |
| Innovation and sophistication factors (7.9%) | 82 | 3.4 |
| Business sophistication..... | 95 | 3.7 |
| Innovation..... | 73 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Botswana

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.9 | 46 | 6.01 | Intensity of local competition | 4.8 | 74 |
| 1.02 | Intellectual property protection | 4.1 | 45 | 6.02 | Extent of market dominance | 3.7 | 70 |
| 1.03 | Diversion of public funds | 4.7 | 31 | 6.03 | Effectiveness of anti-monopoly policy | 4.0 | 72 |
| 1.04 | Public trust in politicians | 4.3 | 22 | 6.04 | Extent and effect of taxation | 4.7 | 13 |
| 1.05 | Irregular payments and bribes | 5.0 | 36 | 6.05 | Total tax rate, % profits* | 19.4 | 13 |
| 1.06 | Judicial independence | 5.5 | 22 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 4.1 | 29 | 6.07 | No. days to start a business* | 61 | 131 |
| 1.08 | Wastefulness of government spending | 4.4 | 21 | 6.08 | Agricultural policy costs | 4.6 | 20 |
| 1.09 | Burden of government regulation | 3.8 | 43 | 6.09 | Prevalence of trade barriers | 4.6 | 42 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.0 | 16 | 6.10 | Trade tariffs, % duty* | 6.7 | 81 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.9 | 15 | 6.11 | Prevalence of foreign ownership | 5.3 | 35 |
| 1.12 | Transparency of government policymaking | 4.7 | 43 | 6.12 | Business impact of rules on FDI | 4.8 | 49 |
| 1.13 | Gov't services for improved business performance | 4.0 | 50 | 6.13 | Burden of customs procedures | 4.4 | 54 |
| 1.14 | Business costs of terrorism | 6.5 | 7 | 6.14 | Imports as a percentage of GDP* | 43.9 | 74 |
| 1.15 | Business costs of crime and violence | 5.1 | 59 | 6.15 | Degree of customer orientation | 4.2 | 105 |
| 1.16 | Organized crime | 6.3 | 20 | 6.16 | Buyer sophistication | 2.8 | 119 |
| 1.17 | Reliability of police services | 5.0 | 43 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.8 | 37 | 7.01 | Cooperation in labor-employer relations | 3.9 | 113 |
| 1.19 | Strength of auditing and reporting standards | 4.9 | 50 | 7.02 | Flexibility of wage determination | 4.8 | 94 |
| 1.20 | Efficacy of corporate boards | 4.8 | 42 | 7.03 | Hiring and firing practices | 3.1 | 123 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 44 | 7.04 | Redundancy costs, weeks of salary* | 22 | 99 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 3.9 | 68 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.2 | 30 | |
| 2.01 | Quality of overall infrastructure | 4.4 | 64 | 7.07 | Brain drain | 3.8 | 44 |
| 2.02 | Quality of roads | 4.4 | 55 | 7.08 | Women in labor force, ratio to men* | 0.90 | 27 |
| 2.03 | Quality of railroad infrastructure | 3.1 | 55 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 97 | 8.01 | Availability of financial services | 4.6 | 72 |
| 2.05 | Quality of air transport infrastructure | 4.1 | 96 | 8.02 | Affordability of financial services | 4.1 | 75 |
| 2.06 | Available airline seat kms/week, millions* | 5.6 | 141 | 8.03 | Financing through local equity market | 3.9 | 49 |
| 2.07 | Quality of electricity supply | 3.6 | 104 | 8.04 | Ease of access to loans | 3.4 | 35 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 142.8 | 19 | 8.05 | Venture capital availability | 2.9 | 47 |
| 2.09 | Fixed telephone lines/100 pop.* | 7.4 | 101 | 8.06 | Soundness of banks | 5.5 | 50 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.3 | 56 | |
| 3.01 | Government budget balance, % GDP* | -4.2 | 95 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 14.7 | 100 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.5 | 113 | 9.01 | Availability of latest technologies | 4.6 | 93 |
| 3.04 | General government debt, % GDP* | 17.3 | 21 | 9.02 | Firm-level technology absorption | 4.4 | 98 |
| 3.05 | Country credit rating, 0-100 (best)* | 60.0 | 49 | 9.03 | FDI and technology transfer | 4.1 | 102 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 7.0 | 124 | |
| 4.01 | Business impact of malaria | 5.1 | 104 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.8 | 105 |
| 4.02 | Malaria cases/100,000 pop.* | 232.9 | 102 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 8.4 | 91 |
| 4.03 | Business impact of tuberculosis | 3.7 | 130 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.5 | 106 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 503.0 | 136 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.0 | 136 | 10.01 | Domestic market size index, 1-7 (best)* | 2.8 | 95 |
| 4.06 | HIV prevalence, % adult pop.* | 24.8 | 143 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5 | 104 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 36.1 | 104 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 53.1 | 132 | 11.01 | Local supplier quantity | 4.0 | 122 |
| 4.09 | Quality of primary education | 4.2 | 56 | 11.02 | Local supplier quality | 3.9 | 114 |
| 4.10 | Primary education enrollment, net %* | 89.7 | 96 | 11.03 | State of cluster development | 3.6 | 74 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 73 | |
| 5.01 | Secondary education enrollment, gross %* | 81.7 | 88 | 11.05 | Value chain breadth | 3.2 | 104 |
| 5.02 | Tertiary education enrollment, gross %* | 7.4 | 119 | 11.06 | Control of international distribution | 3.7 | 104 |
| 5.03 | Quality of the educational system | 4.0 | 55 | 11.07 | Production process sophistication | 3.2 | 106 |
| 5.04 | Quality of math and science education | 4.1 | 66 | 11.08 | Extent of marketing | 3.3 | 118 |
| 5.05 | Quality of management schools | 3.9 | 92 | 11.09 | Willingness to delegate authority | 4.0 | 46 |
| 5.06 | Internet access in schools | 3.5 | 96 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.7 | 95 | 12.01 | Capacity for innovation | 2.8 | 96 |
| 5.08 | Extent of staff training | 3.9 | 68 | 12.02 | Quality of scientific research institutions | 3.6 | 73 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 62 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 63 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 65 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 112 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

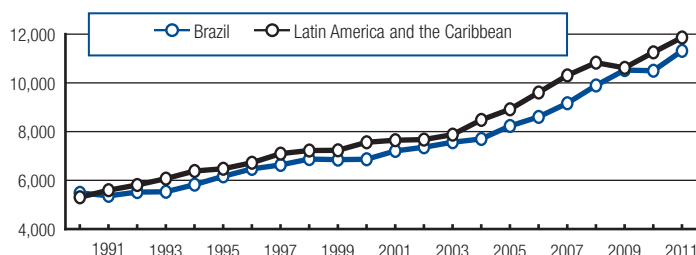
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Brazil

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 199.7 |
| GDP (US\$ billions)..... | 2,492.9 |
| GDP per capita (US\$)..... | 12,789 |
| GDP (PPP) as share (%) of world total..... | 2.91 |

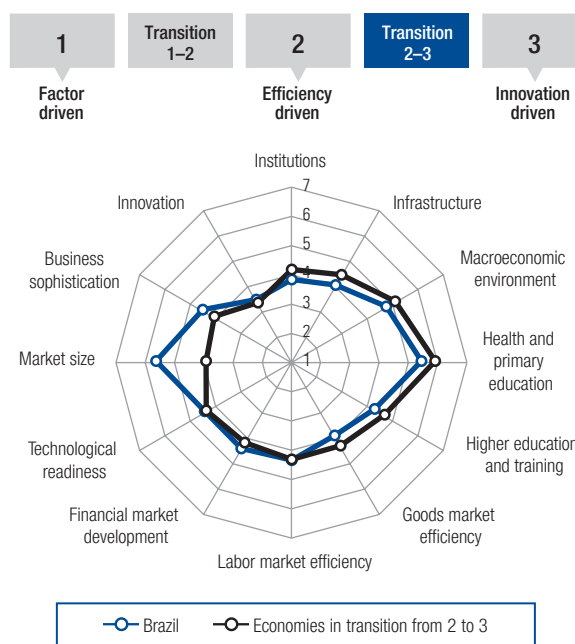
GDP (PPP) per capita (int'l \$), 1990–2011



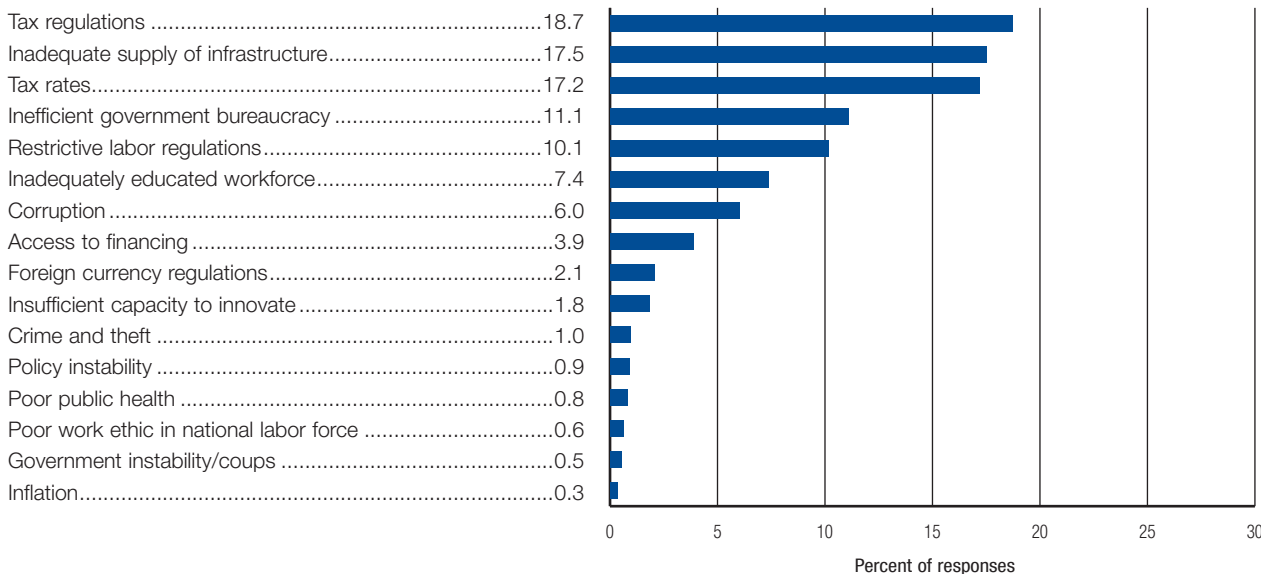
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 48 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 53 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 58 | 4.3 |
| Basic requirements (30.5%) | 73 | 4.5 |
| Institutions..... | 79 | 3.8 |
| Infrastructure..... | 70 | 4.0 |
| Macroeconomic environment..... | 62 | 4.7 |
| Health and primary education..... | 88 | 5.4 |
| Efficiency enhancers (50.0%) | 38 | 4.5 |
| Higher education and training..... | 66 | 4.3 |
| Goods market efficiency..... | 104 | 3.9 |
| Labor market efficiency..... | 69 | 4.4 |
| Financial market development..... | 46 | 4.4 |
| Technological readiness..... | 48 | 4.4 |
| Market size..... | 9 | 5.6 |
| Innovation and sophistication factors (19.5%) | 39 | 4.0 |
| Business sophistication..... | 33 | 4.5 |
| Innovation..... | 49 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.7 | 51 | 6.01 | Intensity of local competition | 5.1 | 45 |
| 1.02 | Intellectual property protection | 3.5 | 75 | 6.02 | Extent of market dominance | 4.4 | 31 |
| 1.03 | Diversion of public funds | 2.5 | 121 | 6.03 | Effectiveness of anti-monopoly policy | 4.6 | 32 |
| 1.04 | Public trust in politicians | 2.0 | 121 | 6.04 | Extent and effect of taxation | 2.1 | 144 |
| 1.05 | Irregular payments and bribes | 4.0 | 65 | 6.05 | Total tax rate, % profits* | 67.1 | 131 |
| 1.06 | Judicial independence | 3.8 | 71 | 6.06 | No. procedures to start a business* | 13 | 130 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 80 | 6.07 | No. days to start a business* | 119 | 139 |
| 1.08 | Wastefulness of government spending | 2.1 | 135 | 6.08 | Agricultural policy costs | 4.6 | 17 |
| 1.09 | Burden of government regulation | 2.0 | 144 | 6.09 | Prevalence of trade barriers | 3.9 | 103 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.5 | 84 | 6.10 | Trade tariffs, % duty* | 11.6 | 123 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.8 | 61 | 6.11 | Prevalence of foreign ownership | 4.5 | 82 |
| 1.12 | Transparency of government policymaking | 4.0 | 91 | 6.12 | Business impact of rules on FDI | 4.6 | 76 |
| 1.13 | Gov't services for improved business performance | 3.6 | 79 | 6.13 | Burden of customs procedures | 3.1 | 129 |
| 1.14 | Business costs of terrorism | 6.4 | 11 | 6.14 | Imports as a percentage of GDP* | 12.4 | 144 |
| 1.15 | Business costs of crime and violence | 3.5 | 122 | 6.15 | Degree of customer orientation | 4.8 | 49 |
| 1.16 | Organized crime | 4.0 | 122 | 6.16 | Buyer sophistication | 3.8 | 47 |
| 1.17 | Reliability of police services | 4.4 | 60 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.7 | 84 | 7.01 | Cooperation in labor-employer relations | 4.3 | 72 |
| 1.19 | Strength of auditing and reporting standards | 5.1 | 42 | 7.02 | Flexibility of wage determination | 4.2 | 118 |
| 1.20 | Efficacy of corporate boards | 4.9 | 38 | 7.03 | Hiring and firing practices | 3.3 | 114 |
| 1.21 | Protection of minority shareholders' interests | 4.7 | 37 | 7.04 | Redundancy costs, weeks of salary* | 13 | 59 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.8 | 81 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.9 | 39 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 107 | 7.07 | Brain drain | 4.6 | 27 |
| 2.02 | Quality of roads | 2.7 | 123 | 7.08 | Women in labor force, ratio to men* | 0.76 | 83 |
| 2.03 | Quality of railroad infrastructure | 1.8 | 100 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.6 | 135 | 8.01 | Availability of financial services | 5.5 | 26 |
| 2.05 | Quality of air transport infrastructure | 3.0 | 134 | 8.02 | Affordability of financial services | 4.3 | 62 |
| 2.06 | Available airline seat kms/week, millions* | 3,756.6 | 7 | 8.03 | Financing through local equity market | 4.1 | 40 |
| 2.07 | Quality of electricity supply | 4.9 | 68 | 8.04 | Ease of access to loans | 3.1 | 51 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 123.2 | 41 | 8.05 | Venture capital availability | 2.8 | 51 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.9 | 55 | 8.06 | Soundness of banks | 6.2 | 14 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.8 | 8 | |
| 3.01 | Government budget balance, % GDP* | -2.6 | 64 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 18.4 | 78 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.6 | 97 | 9.01 | Availability of latest technologies | 5.3 | 50 |
| 3.04 | General government debt, % GDP* | 66.2 | 109 | 9.02 | Firm-level technology absorption | 5.2 | 47 |
| 3.05 | Country credit rating, 0-100 (best)* | 70.9 | 34 | 9.03 | FDI and technology transfer | 5.2 | 24 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 45.0 | 62 | |
| 4.01 | Business impact of malaria | 5.9 | 83 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.6 | 63 |
| 4.02 | Malaria cases/100,000 pop.* | 201.8 | 100 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 29.0 | 46 |
| 4.03 | Business impact of tuberculosis | 5.8 | 49 | 9.07 | Mobile broadband subscriptions/100 pop.* | 20.9 | 47 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 43.0 | 68 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 74 | 10.01 | Domestic market size index, 1-7 (best)* | 5.7 | 7 |
| 4.06 | HIV prevalence, % adult pop.* | 0.6 | 92 | 10.02 | Foreign market size index, 1-7 (best)* | 5.5 | 24 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 17.3 | 75 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.1 | 79 | 11.01 | Local supplier quantity | 5.5 | 13 |
| 4.09 | Quality of primary education | 2.5 | 126 | 11.02 | Local supplier quality | 5.0 | 36 |
| 4.10 | Primary education enrollment, net %* | 94.4 | 60 | 11.03 | State of cluster development | 4.5 | 28 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 97 | |
| 5.01 | Secondary education enrollment, gross %* | 105.8 | 17 | 11.05 | Value chain breadth | 3.8 | 56 |
| 5.02 | Tertiary education enrollment, gross %* | 25.6 | 80 | 11.06 | Control of international distribution | 4.4 | 35 |
| 5.03 | Quality of the educational system | 3.0 | 116 | 11.07 | Production process sophistication | 4.7 | 30 |
| 5.04 | Quality of math and science education | 2.6 | 132 | 11.08 | Extent of marketing | 5.2 | 26 |
| 5.05 | Quality of management schools | 4.4 | 52 | 11.09 | Willingness to delegate authority | 4.2 | 36 |
| 5.06 | Internet access in schools | 3.7 | 88 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.8 | 34 | 12.01 | Capacity for innovation | 3.7 | 34 |
| 5.08 | Extent of staff training | 4.4 | 33 | 12.02 | Quality of scientific research institutions | 4.1 | 46 |
| | | | | 12.03 | Company spending on R&D | 3.6 | 33 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.1 | 44 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 53 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 113 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.8 | 48 |

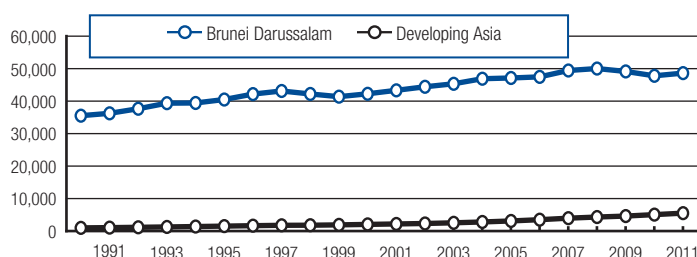
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Brunei Darussalam

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 0.4 |
| GDP (US\$ billions)..... | 15.5 |
| GDP per capita (US\$)..... | 36,584 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

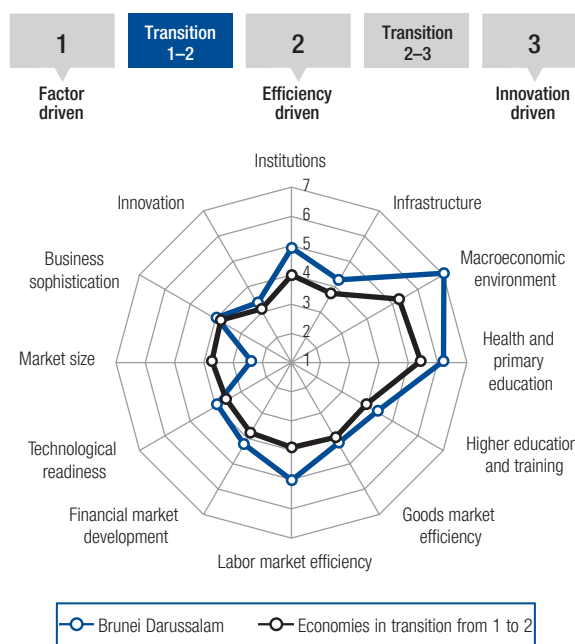
GDP (PPP) per capita (int'l \$), 1990–2011



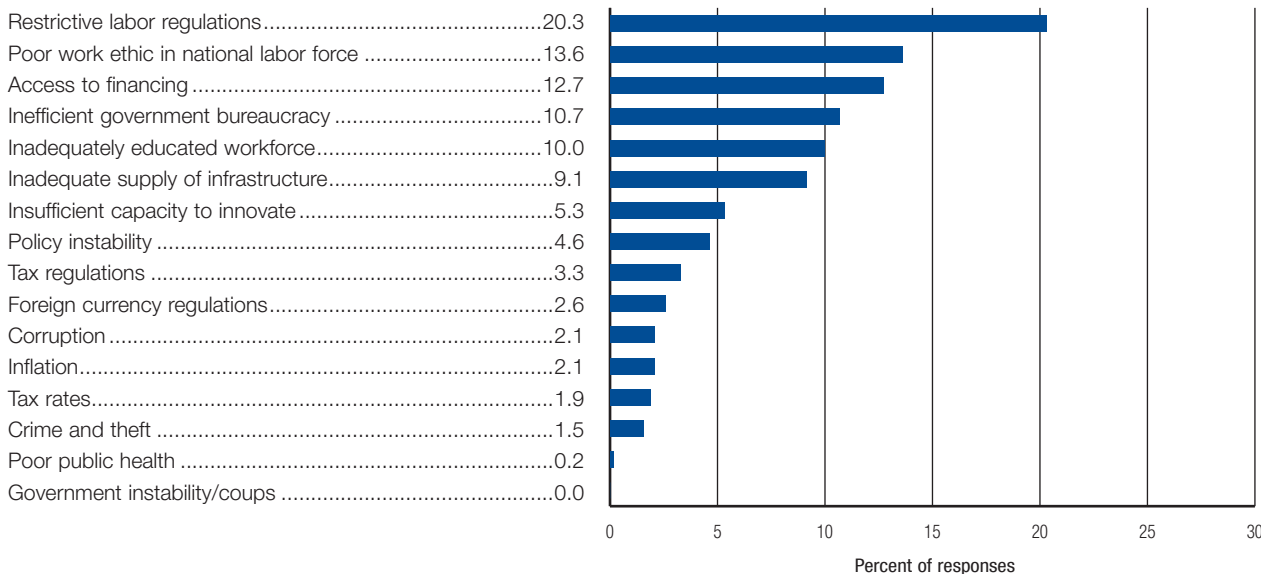
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 28 | 4.9 |
| GCI 2011–2012 (out of 142)..... | 28 | 4.8 |
| GCI 2010–2011 (out of 139)..... | 28 | 4.8 |
| Basic requirements (56.2%) | 21 | 5.6 |
| Institutions..... | 31 | 4.9 |
| Infrastructure..... | 57 | 4.2 |
| Macroeconomic environment..... | 1 | 7.0 |
| Health and primary education..... | 31 | 6.2 |
| Efficiency enhancers (37.9%) | 68 | 4.0 |
| Higher education and training..... | 57 | 4.4 |
| Goods market efficiency..... | 73 | 4.2 |
| Labor market efficiency..... | 13 | 5.1 |
| Financial market development..... | 56 | 4.3 |
| Technological readiness..... | 64 | 4.0 |
| Market size..... | 124 | 2.4 |
| Innovation and sophistication factors (6.0%) | 62 | 3.6 |
| Business sophistication..... | 65 | 4.0 |
| Innovation..... | 59 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Brunei Darussalam

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.6 | 56 | 6.01 | Intensity of local competition | 4.8 | 71 |
| 1.02 | Intellectual property protection | 4.0 | 47 | 6.02 | Extent of market dominance | 3.9 | 53 |
| 1.03 | Diversion of public funds | 5.1 | 25 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 53 |
| 1.04 | Public trust in politicians | 4.9 | 14 | 6.04 | Extent and effect of taxation | 4.7 | 15 |
| 1.05 | Irregular payments and bribes | 5.6 | 25 | 6.05 | Total tax rate, % profits* | 16.8 | 12 |
| 1.06 | Judicial independence | 5.1 | 33 | 6.06 | No. procedures to start a business* | 15 | 137 |
| 1.07 | Favoritism in decisions of government officials | 4.3 | 20 | 6.07 | No. days to start a business* | 101 | 136 |
| 1.08 | Wastefulness of government spending | 4.5 | 15 | 6.08 | Agricultural policy costs | 4.5 | 24 |
| 1.09 | Burden of government regulation | 4.1 | 25 | 6.09 | Prevalence of trade barriers | 4.5 | 53 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.5 | 34 | 6.10 | Trade tariffs, % duty* | 5.2 | 71 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 49 | 6.11 | Prevalence of foreign ownership | 4.6 | 75 |
| 1.12 | Transparency of government policymaking | 4.2 | 75 | 6.12 | Business impact of rules on FDI | 4.8 | 52 |
| 1.13 | Gov't services for improved business performance | 4.5 | 14 | 6.13 | Burden of customs procedures | 4.5 | 45 |
| 1.14 | Business costs of terrorism | 6.3 | 17 | 6.14 | Imports as a percentage of GDP* | 31.2 | 113 |
| 1.15 | Business costs of crime and violence | 6.0 | 11 | 6.15 | Degree of customer orientation | 4.9 | 44 |
| 1.16 | Organized crime | 6.4 | 13 | 6.16 | Buyer sophistication | 3.3 | 81 |
| 1.17 | Reliability of police services | 5.1 | 35 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 30 | 7.01 | Cooperation in labor-employer relations | 5.1 | 21 |
| 1.19 | Strength of auditing and reporting standards | 4.8 | 58 | 7.02 | Flexibility of wage determination | 5.9 | 9 |
| 1.20 | Efficacy of corporate boards | 4.9 | 35 | 7.03 | Hiring and firing practices | 4.5 | 37 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 36 | 7.04 | Redundancy costs, weeks of salary* | 3 | 6 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 4.8 | 11 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.6 | 45 | |
| 2.01 | Quality of overall infrastructure | 5.1 | 43 | 7.07 | Brain drain | 4.1 | 40 |
| 2.02 | Quality of roads | 5.2 | 30 | 7.08 | Women in labor force, ratio to men* | 0.73 | 90 |
| 2.03 | Quality of railroad infrastructure | 2.1 | 88 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.5 | 57 | 8.01 | Availability of financial services | 4.8 | 57 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 61 | 8.02 | Affordability of financial services | 4.6 | 45 |
| 2.06 | Available airline seat kms/week, millions* | 46.6 | 98 | 8.03 | Financing through local equity market | 2.4 | 125 |
| 2.07 | Quality of electricity supply | 5.5 | 45 | 8.04 | Ease of access to loans | 3.5 | 29 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 109.2 | 62 | 8.05 | Venture capital availability | 3.1 | 35 |
| 2.09 | Fixed telephone lines/100 pop.* | 19.7 | 67 | 8.06 | Soundness of banks | 5.5 | 52 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 86 | |
| 3.01 | Government budget balance, % GDP* | 31.9 | 2 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | n/a | n/a | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.0 | 1 | 9.01 | Availability of latest technologies | 5.0 | 65 |
| 3.04 | General government debt, % GDP* | 0.0 | 1 | 9.02 | Firm-level technology absorption | 4.9 | 62 |
| 3.05 | Country credit rating, 0-100 (best)* | n/a | n/a | 9.03 | FDI and technology transfer | 4.3 | 91 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 56.0 | 47 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 5.5 | 72 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 22.0 | 57 |
| 4.03 | Business impact of tuberculosis | 4.8 | 98 | 9.07 | Mobile broadband subscriptions/100 pop.* | 6.3 | 78 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 68.0 | 79 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 78 | 10.01 | Domestic market size index, 1-7 (best)* | 1.9 | 130 |
| 4.06 | HIV prevalence, % adult pop.* | 0.0 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 3.8 | 86 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.8 | 38 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 77.9 | 36 | 11.01 | Local supplier quantity | 4.5 | 92 |
| 4.09 | Quality of primary education | 5.1 | 20 | 11.02 | Local supplier quality | 4.4 | 71 |
| 4.10 | Primary education enrollment, net %* | 92.9 | 75 | 11.03 | State of cluster development | 3.9 | 55 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 61 | |
| 5.01 | Secondary education enrollment, gross %* | 109.7 | 12 | 11.05 | Value chain breadth | 3.5 | 76 |
| 5.02 | Tertiary education enrollment, gross %* | 17.2 | 98 | 11.06 | Control of international distribution | 4.3 | 44 |
| 5.03 | Quality of the educational system | 4.7 | 25 | 11.07 | Production process sophistication | 3.5 | 79 |
| 5.04 | Quality of math and science education | 4.9 | 23 | 11.08 | Extent of marketing | 3.9 | 80 |
| 5.05 | Quality of management schools | 4.3 | 58 | 11.09 | Willingness to delegate authority | 3.8 | 59 |
| 5.06 | Internet access in schools | 5.3 | 34 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 109 | 12.01 | Capacity for innovation | 3.2 | 68 |
| 5.08 | Extent of staff training | 4.1 | 52 | 12.02 | Quality of scientific research institutions | 3.4 | 82 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 60 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.9 | 50 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.4 | 18 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 95 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.9 | 55 |

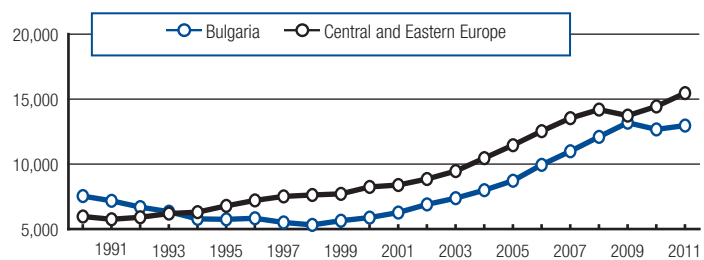
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Bulgaria

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 7.7 |
| GDP (US\$ billions)..... | 53.5 |
| GDP per capita (US\$)..... | 7,202 |
| GDP (PPP) as share (%) of world total..... | 0.13 |

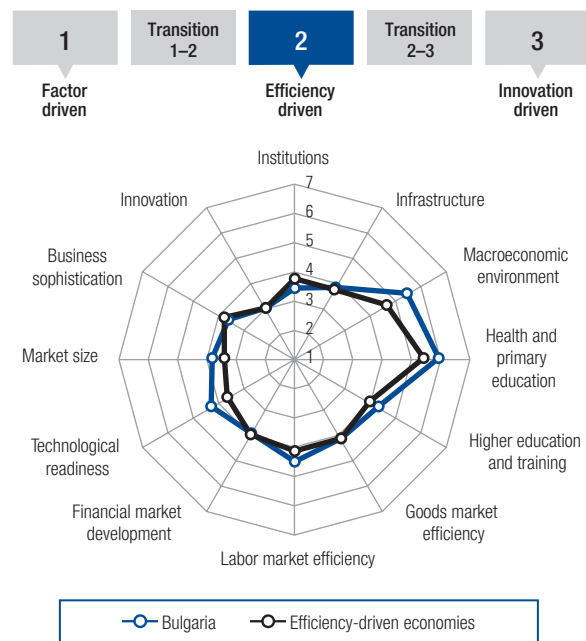
GDP (PPP) per capita (int'l \$), 1990–2011



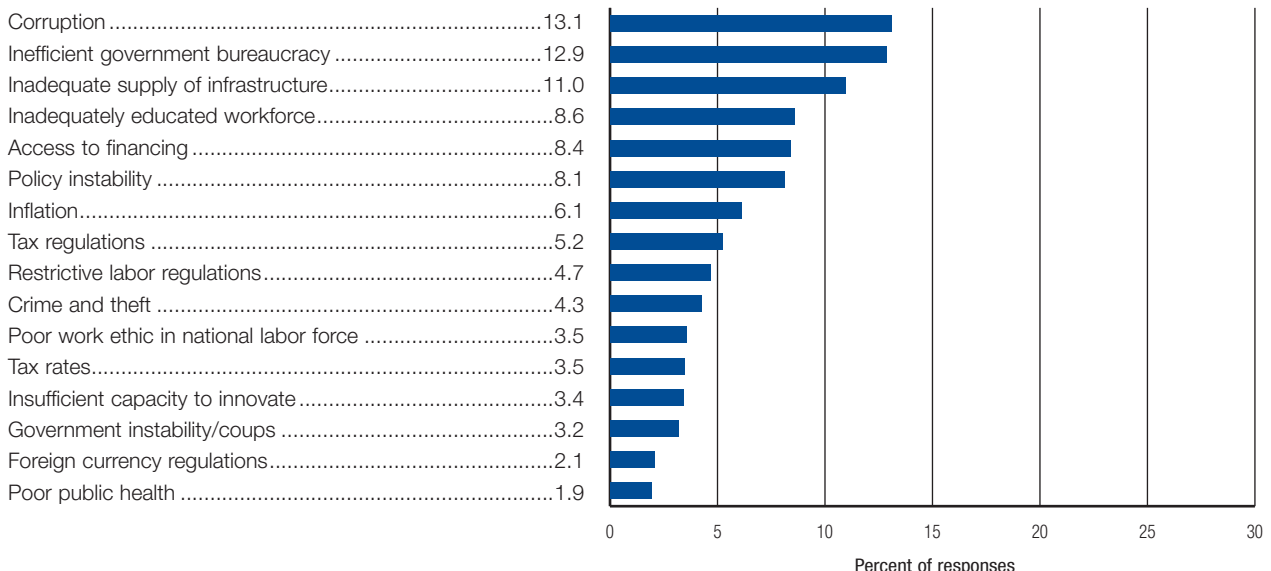
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 62 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 74 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 71 | 4.1 |
| Basic requirements (40.0%) | 65 | 4.6 |
| Institutions..... | 108 | 3.4 |
| Infrastructure..... | 76 | 3.8 |
| Macroeconomic environment..... | 31 | 5.4 |
| Health and primary education..... | 49 | 5.9 |
| Efficiency enhancers (50.0%) | 59 | 4.2 |
| Higher education and training..... | 63 | 4.3 |
| Goods market efficiency..... | 83 | 4.2 |
| Labor market efficiency..... | 49 | 4.5 |
| Financial market development..... | 80 | 4.0 |
| Technological readiness..... | 52 | 4.3 |
| Market size..... | 62 | 3.8 |
| Innovation and sophistication factors (10.0%) | 97 | 3.3 |
| Business sophistication..... | 97 | 3.6 |
| Innovation..... | 92 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.5 | 115 | 6.01 | Intensity of local competition | 4.3 | 101 |
| 1.02 | Intellectual property protection | 3.0 | 105 | 6.02 | Extent of market dominance | 3.3 | 106 |
| 1.03 | Diversion of public funds | 2.9 | 87 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 108 |
| 1.04 | Public trust in politicians | 2.5 | 85 | 6.04 | Extent and effect of taxation | 3.4 | 80 |
| 1.05 | Irregular payments and bribes | 3.8 | 76 | 6.05 | Total tax rate, % profits* | 28.1 | 29 |
| 1.06 | Judicial independence | 2.9 | 102 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 106 | 6.07 | No. days to start a business* | 18 | 76 |
| 1.08 | Wastefulness of government spending | 3.0 | 89 | 6.08 | Agricultural policy costs | 3.1 | 130 |
| 1.09 | Burden of government regulation | 3.0 | 109 | 6.09 | Prevalence of trade barriers | 3.9 | 110 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.8 | 122 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9 | 114 | 6.11 | Prevalence of foreign ownership | 4.1 | 107 |
| 1.12 | Transparency of government policymaking | 3.6 | 128 | 6.12 | Business impact of rules on FDI | 3.6 | 124 |
| 1.13 | Gov't services for improved business performance | 3.2 | 97 | 6.13 | Burden of customs procedures | 3.6 | 97 |
| 1.14 | Business costs of terrorism | 4.8 | 113 | 6.14 | Imports as a percentage of GDP* | 67.8 | 36 |
| 1.15 | Business costs of crime and violence | 3.8 | 111 | 6.15 | Degree of customer orientation | 4.6 | 69 |
| 1.16 | Organized crime | 3.9 | 127 | 6.16 | Buyer sophistication | 3.2 | 92 |
| 1.17 | Reliability of police services | 3.4 | 111 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 107 | 7.01 | Cooperation in labor-employer relations | 4.0 | 103 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 92 | 7.02 | Flexibility of wage determination | 5.2 | 59 |
| 1.20 | Efficacy of corporate boards | 3.8 | 132 | 7.03 | Hiring and firing practices | 4.2 | 49 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 105 | 7.04 | Redundancy costs, weeks of salary* | 8 | 20 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.3 | 37 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.7 | 106 | |
| 2.01 | Quality of overall infrastructure | 3.3 | 115 | 7.07 | Brain drain | 2.4 | 128 |
| 2.02 | Quality of roads | 2.5 | 129 | 7.08 | Women in labor force, ratio to men* | 0.88 | 37 |
| 2.03 | Quality of railroad infrastructure | 3.0 | 56 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 100 | 8.01 | Availability of financial services | 3.8 | 110 |
| 2.05 | Quality of air transport infrastructure | 4.0 | 101 | 8.02 | Affordability of financial services | 3.4 | 123 |
| 2.06 | Available airline seat kms/week, millions* | 94.7 | 78 | 8.03 | Financing through local equity market | 3.2 | 84 |
| 2.07 | Quality of electricity supply | 3.9 | 95 | 8.04 | Ease of access to loans | 3.3 | 40 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 140.7 | 22 | 8.05 | Venture capital availability | 2.8 | 58 |
| 2.09 | Fixed telephone lines/100 pop.* | 31.0 | 39 | 8.06 | Soundness of banks | 4.6 | 103 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 109 | |
| 3.01 | Government budget balance, % GDP* | -2.1 | 54 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 25.0 | 43 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 37 | 9.01 | Availability of latest technologies | 4.5 | 98 |
| 3.04 | General government debt, % GDP* | 17.0 | 20 | 9.02 | Firm-level technology absorption | 4.0 | 125 |
| 3.05 | Country credit rating, 0-100 (best)* | 51.8 | 67 | 9.03 | FDI and technology transfer | 4.1 | 106 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 51.0 | 54 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 15.5 | 39 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 65.8 | 25 |
| 4.03 | Business impact of tuberculosis | 5.4 | 68 | 9.07 | Mobile broadband subscriptions/100 pop.* | 14.5 | 58 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 40.0 | 64 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 63 | 10.01 | Domestic market size index, 1-7 (best)* | 3.6 | 66 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.6 | 59 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 10.7 | 56 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.5 | 69 | 11.01 | Local supplier quantity | 4.3 | 104 |
| 4.09 | Quality of primary education | 3.8 | 67 | 11.02 | Local supplier quality | 4.3 | 82 |
| 4.10 | Primary education enrollment, net %* | 98.0 | 28 | 11.03 | State of cluster development | 3.4 | 87 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 90 | |
| 5.01 | Secondary education enrollment, gross %* | 88.9 | 70 | 11.05 | Value chain breadth | 3.4 | 86 |
| 5.02 | Tertiary education enrollment, gross %* | 56.9 | 41 | 11.06 | Control of international distribution | 3.7 | 100 |
| 5.03 | Quality of the educational system | 3.2 | 98 | 11.07 | Production process sophistication | 3.4 | 93 |
| 5.04 | Quality of math and science education | 4.0 | 68 | 11.08 | Extent of marketing | 3.5 | 107 |
| 5.05 | Quality of management schools | 3.7 | 101 | 11.09 | Willingness to delegate authority | 3.3 | 103 |
| 5.06 | Internet access in schools | 4.7 | 50 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.8 | 90 | 12.01 | Capacity for innovation | 3.2 | 64 |
| 5.08 | Extent of staff training | 3.3 | 118 | 12.02 | Quality of scientific research institutions | 3.5 | 75 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 92 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 117 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 81 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 98 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 3.6 | 47 |

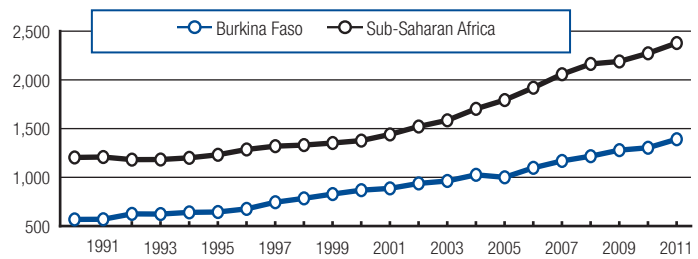
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Burkina Faso

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 17.0 |
| GDP (US\$ billions)..... | 10.0 |
| GDP per capita (US\$)..... | 664 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

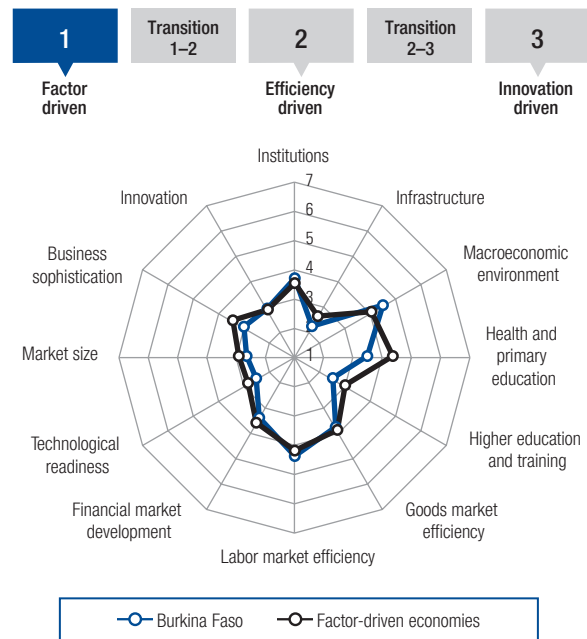
GDP (PPP) per capita (int'l \$), 1990–2011



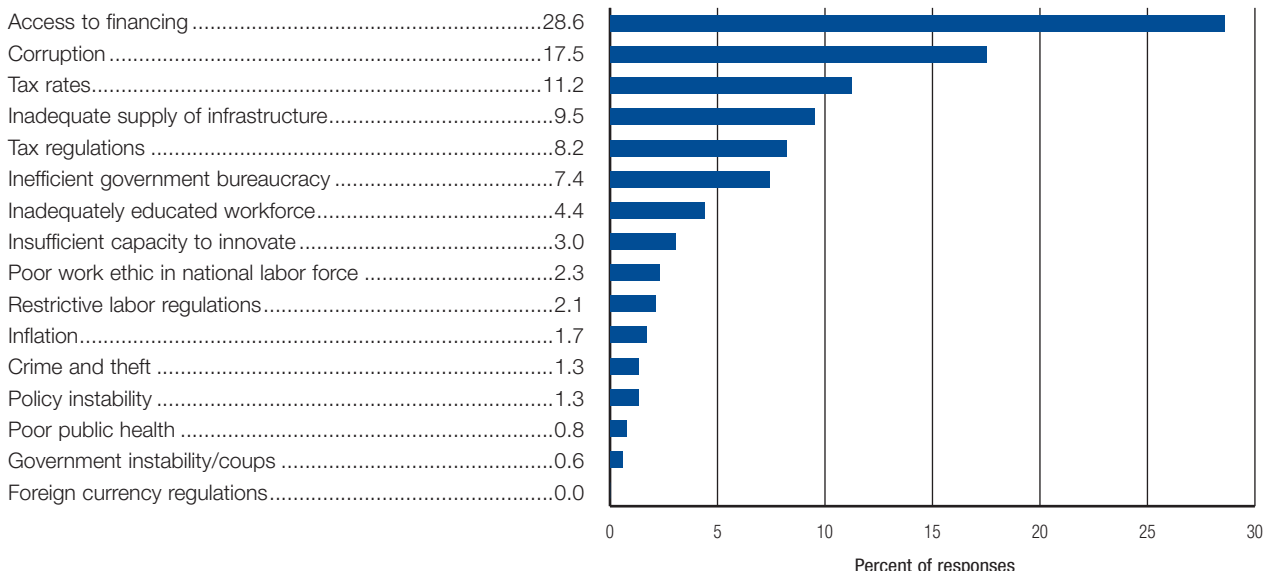
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 133 | 3.3 |
| GCI 2011–2012 (out of 142)..... | 136 | 3.3 |
| GCI 2010–2011 (out of 139)..... | 134 | 3.2 |
| Basic requirements (60.0%) | 133 | 3.4 |
| Institutions..... | 83 | 3.7 |
| Infrastructure..... | 136 | 2.2 |
| Macroeconomic environment..... | 85 | 4.5 |
| Health and primary education..... | 139 | 3.5 |
| Efficiency enhancers (35.0%) | 129 | 3.2 |
| Higher education and training..... | 137 | 2.5 |
| Goods market efficiency..... | 118 | 3.8 |
| Labor market efficiency..... | 64 | 4.4 |
| Financial market development..... | 117 | 3.4 |
| Technological readiness..... | 137 | 2.5 |
| Market size..... | 114 | 2.6 |
| Innovation and sophistication factors (5.0%) | 126 | 2.9 |
| Business sophistication..... | 140 | 3.0 |
| Innovation..... | 107 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Burkina Faso

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 66 | 6.01 | Intensity of local competition | 4.3 | 105 |
| 1.02 | Intellectual property protection | 3.6 | 71 | 6.02 | Extent of market dominance | 3.2 | 111 |
| 1.03 | Diversion of public funds | 2.5 | 118 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 65 |
| 1.04 | Public trust in politicians | 2.2 | 103 | 6.04 | Extent and effect of taxation | 3.3 | 91 |
| 1.05 | Irregular payments and bribes | 3.2 | 112 | 6.05 | Total tax rate, % profits* | 43.6 | 87 |
| 1.06 | Judicial independence | 2.5 | 126 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 90 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 2.9 | 92 | 6.08 | Agricultural policy costs | 3.6 | 96 |
| 1.09 | Burden of government regulation | 3.7 | 49 | 6.09 | Prevalence of trade barriers | 4.1 | 90 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 78 | 6.10 | Trade tariffs, % duty* | 11.4 | 118 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 81 | 6.11 | Prevalence of foreign ownership | 4.1 | 105 |
| 1.12 | Transparency of government policymaking | 4.4 | 60 | 6.12 | Business impact of rules on FDI | 4.8 | 48 |
| 1.13 | Gov't services for improved business performance | 3.8 | 64 | 6.13 | Burden of customs procedures | 3.8 | 83 |
| 1.14 | Business costs of terrorism | 5.4 | 85 | 6.14 | Imports as a percentage of GDP* | 30.1 | 120 |
| 1.15 | Business costs of crime and violence | 4.3 | 96 | 6.15 | Degree of customer orientation | 4.0 | 115 |
| 1.16 | Organized crime | 5.2 | 73 | 6.16 | Buyer sophistication | 1.9 | 143 |
| 1.17 | Reliability of police services | 3.8 | 95 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.1 | 54 | 7.01 | Cooperation in labor-employer relations | 4.1 | 95 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 109 | 7.02 | Flexibility of wage determination | 5.4 | 33 |
| 1.20 | Efficacy of corporate boards | 4.8 | 47 | 7.03 | Hiring and firing practices | 4.5 | 32 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 95 | 7.04 | Redundancy costs, weeks of salary* | 10 | 43 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.7 | 120 | 7.05 | Pay and productivity | 3.0 | 127 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 125 | |
| 2.01 | Quality of overall infrastructure | 2.7 | 136 | 7.07 | Brain drain | 2.8 | 114 |
| 2.02 | Quality of roads | 2.6 | 125 | 7.08 | Women in labor force, ratio to men* | 0.88 | 36 |
| 2.03 | Quality of railroad infrastructure | 2.0 | 92 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 103 | 8.01 | Availability of financial services | 3.5 | 127 |
| 2.05 | Quality of air transport infrastructure | 3.3 | 127 | 8.02 | Affordability of financial services | 3.2 | 133 |
| 2.06 | Available airline seat kms/week, millions* | 14.0 | 127 | 8.03 | Financing through local equity market | 3.3 | 79 |
| 2.07 | Quality of electricity supply | 2.3 | 125 | 8.04 | Ease of access to loans | 1.7 | 140 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 45.3 | 133 | 8.05 | Venture capital availability | 1.8 | 136 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.8 | 129 | 8.06 | Soundness of banks | 4.6 | 102 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 117 | |
| 3.01 | Government budget balance, % GDP* | -2.5 | 60 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 11.2 | 120 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.8 | 1 | 9.01 | Availability of latest technologies | 3.6 | 138 |
| 3.04 | General government debt, % GDP* | 29.4 | 42 | 9.02 | Firm-level technology absorption | 4.1 | 118 |
| 3.05 | Country credit rating, 0-100 (best)* | 22.2 | 122 | 9.03 | FDI and technology transfer | 4.0 | 110 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 3.0 | 134 | |
| 4.01 | Business impact of malaria | 3.2 | 131 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 121 |
| 4.02 | Malaria cases/100,000 pop.* | 31,822.2 | 138 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.2 | 124 |
| 4.03 | Business impact of tuberculosis | 4.5 | 107 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 55.0 | 74 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.5 | 109 | 10.01 | Domestic market size index, 1-7 (best)* | 2.6 | 105 |
| 4.06 | HIV prevalence, % adult pop.* | 1.2 | 110 | 10.02 | Foreign market size index, 1-7 (best)* | 2.8 | 126 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 92.6 | 141 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 54.9 | 127 | 11.01 | Local supplier quantity | 4.4 | 95 |
| 4.09 | Quality of primary education | 3.1 | 110 | 11.02 | Local supplier quality | 4.0 | 105 |
| 4.10 | Primary education enrollment, net %* | 63.2 | 136 | 11.03 | State of cluster development | 2.5 | 137 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 116 | |
| 5.01 | Secondary education enrollment, gross %* | 22.6 | 143 | 11.05 | Value chain breadth | 2.4 | 140 |
| 5.02 | Tertiary education enrollment, gross %* | 3.9 | 131 | 11.06 | Control of international distribution | 3.1 | 135 |
| 5.03 | Quality of the educational system | 2.8 | 124 | 11.07 | Production process sophistication | 2.4 | 139 |
| 5.04 | Quality of math and science education | 3.8 | 80 | 11.08 | Extent of marketing | 2.9 | 127 |
| 5.05 | Quality of management schools | 3.7 | 105 | 11.09 | Willingness to delegate authority | 2.3 | 143 |
| 5.06 | Internet access in schools | 1.7 | 141 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.7 | 93 | 12.01 | Capacity for innovation | 2.3 | 135 |
| 5.08 | Extent of staff training | 2.9 | 137 | 12.02 | Quality of scientific research institutions | 3.7 | 59 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 109 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 104 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 88 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 107 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 110 |

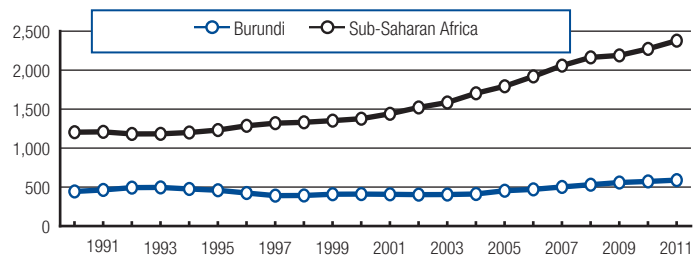
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Burundi

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 8.6 |
| GDP (US\$ billions)..... | 2.4 |
| GDP per capita (US\$)..... | 279 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

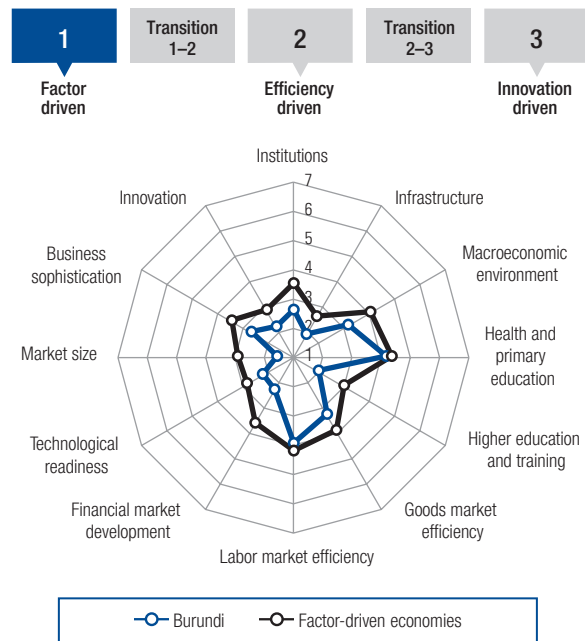
GDP (PPP) per capita (int'l \$), 1990–2011



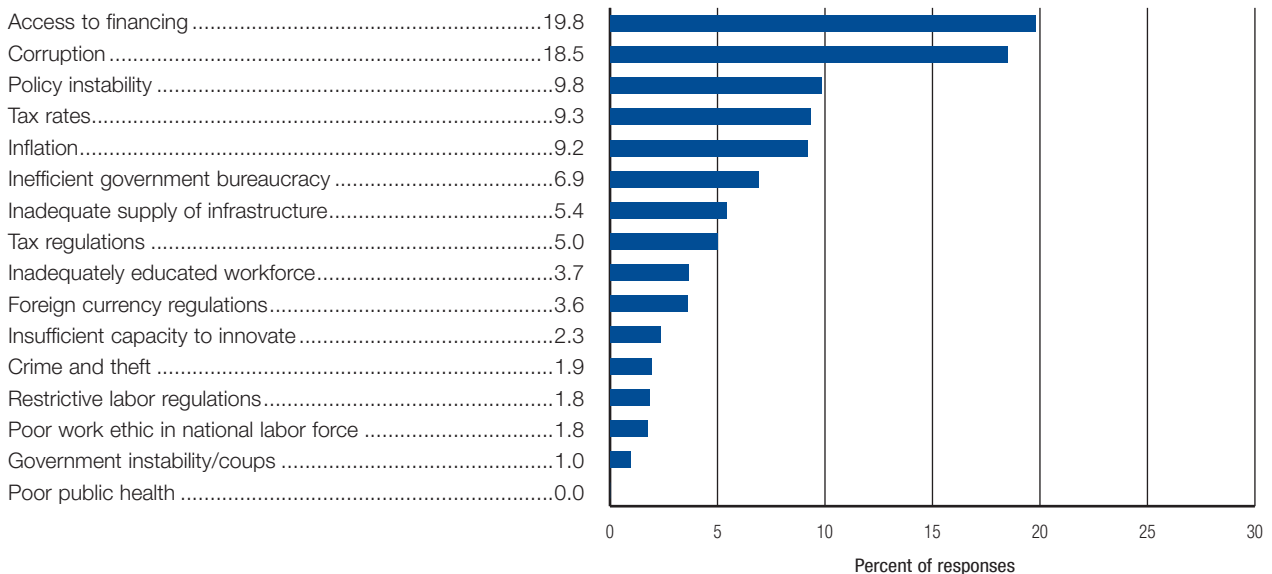
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 144 | 2.8 |
| GCI 2011–2012 (out of 142)..... | 140 | 2.9 |
| GCI 2010–2011 (out of 139)..... | 137 | 3.0 |
| Basic requirements (60.0%) | 142 | 2.9 |
| Institutions..... | 142 | 2.6 |
| Infrastructure..... | 141 | 1.9 |
| Macroeconomic environment..... | 137 | 3.1 |
| Health and primary education..... | 127 | 4.2 |
| Efficiency enhancers (35.0%) | 144 | 2.6 |
| Higher education and training..... | 143 | 2.0 |
| Goods market efficiency..... | 139 | 3.3 |
| Labor market efficiency..... | 112 | 4.0 |
| Financial market development..... | 144 | 2.3 |
| Technological readiness..... | 144 | 2.2 |
| Market size..... | 140 | 1.6 |
| Innovation and sophistication factors (5.0%) | 142 | 2.4 |
| Business sophistication..... | 143 | 2.7 |
| Innovation..... | 140 | 2.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.4 | 141 | 6.01 | Intensity of local competition | 3.5 | 140 |
| 1.02 | Intellectual property protection | 1.9 | 141 | 6.02 | Extent of market dominance | 3.3 | 105 |
| 1.03 | Diversion of public funds | 1.8 | 141 | 6.03 | Effectiveness of anti-monopoly policy | 2.9 | 137 |
| 1.04 | Public trust in politicians | 1.7 | 134 | 6.04 | Extent and effect of taxation | 2.2 | 143 |
| 1.05 | Irregular payments and bribes | 2.3 | 140 | 6.05 | Total tax rate, % profits* | 46.2 | 100 |
| 1.06 | Judicial independence | 1.7 | 143 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.4 | 126 | 6.07 | No. days to start a business* | 14 | 66 |
| 1.08 | Wastefulness of government spending | 2.0 | 141 | 6.08 | Agricultural policy costs | 3.3 | 117 |
| 1.09 | Burden of government regulation | 2.8 | 121 | 6.09 | Prevalence of trade barriers | 3.3 | 137 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.6 | 134 | 6.10 | Trade tariffs, % duty* | 8.9 | 99 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.4 | 141 | 6.11 | Prevalence of foreign ownership | 2.8 | 141 |
| 1.12 | Transparency of government policymaking | 3.3 | 134 | 6.12 | Business impact of rules on FDI | 3.3 | 133 |
| 1.13 | Gov't services for improved business performance | 2.1 | 136 | 6.13 | Burden of customs procedures | 2.6 | 140 |
| 1.14 | Business costs of terrorism | 4.0 | 134 | 6.14 | Imports as a percentage of GDP* | 32.8 | 109 |
| 1.15 | Business costs of crime and violence | 3.6 | 116 | 6.15 | Degree of customer orientation | 3.6 | 137 |
| 1.16 | Organized crime | 3.9 | 125 | 6.16 | Buyer sophistication | 1.8 | 144 |
| 1.17 | Reliability of police services | 2.0 | 144 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 2.6 | 144 | 7.01 | Cooperation in labor-employer relations | 3.5 | 131 |
| 1.19 | Strength of auditing and reporting standards | 2.6 | 144 | 7.02 | Flexibility of wage determination | 5.7 | 16 |
| 1.20 | Efficacy of corporate boards | 3.9 | 126 | 7.03 | Hiring and firing practices | 3.7 | 87 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 134 | 7.04 | Redundancy costs, weeks of salary* | 16 | 75 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 2.5 | 141 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 2.5 | 141 | |
| 2.01 | Quality of overall infrastructure | 2.3 | 142 | 7.07 | Brain drain | 1.7 | 142 |
| 2.02 | Quality of roads | 2.7 | 121 | 7.08 | Women in labor force, ratio to men* | 1.03 | 3 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.6 | 136 | 8.01 | Availability of financial services | 2.5 | 144 |
| 2.05 | Quality of air transport infrastructure | 2.8 | 139 | 8.02 | Affordability of financial services | 2.5 | 142 |
| 2.06 | Available airline seat kms/week, millions* | 2.3 | 142 | 8.03 | Financing through local equity market | 1.8 | 141 |
| 2.07 | Quality of electricity supply | 1.9 | 133 | 8.04 | Ease of access to loans | 1.5 | 144 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 14.5 | 144 | 8.05 | Venture capital availability | 1.6 | 143 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.4 | 136 | 8.06 | Soundness of banks | 3.2 | 140 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.0 | 142 | |
| 3.01 | Government budget balance, % GDP* | -4.0 | 87 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 7.7 | 134 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 14.9 | 135 | 9.01 | Availability of latest technologies | 3.2 | 144 |
| 3.04 | General government debt, % GDP* | 35.3 | 58 | 9.02 | Firm-level technology absorption | 3.5 | 143 |
| 3.05 | Country credit rating, 0-100 (best)* | 12.6 | 139 | 9.03 | FDI and technology transfer | 3.5 | 137 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 1.1 | 141 | |
| 4.01 | Business impact of malaria | 2.7 | 138 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 140 |
| 4.02 | Malaria cases/100,000 pop.* | 8,931.5 | 122 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.7 | 134 |
| 4.03 | Business impact of tuberculosis | 3.0 | 142 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 129.0 | 100 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.7 | 141 | 10.01 | Domestic market size index, 1-7 (best)* | 1.7 | 138 |
| 4.06 | HIV prevalence, % adult pop.* | 3.3 | 127 | 10.02 | Foreign market size index, 1-7 (best)* | 1.2 | 143 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 87.8 | 138 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 49.9 | 137 | 11.01 | Local supplier quantity | 3.5 | 140 |
| 4.09 | Quality of primary education | 2.0 | 142 | 11.02 | Local supplier quality | 3.0 | 142 |
| 4.10 | Primary education enrollment, net %* | 89.7 | 95 | 11.03 | State of cluster development | 2.4 | 141 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 119 | |
| 5.01 | Secondary education enrollment, gross %* | 24.8 | 140 | 11.05 | Value chain breadth | 2.9 | 124 |
| 5.02 | Tertiary education enrollment, gross %* | 3.2 | 134 | 11.06 | Control of international distribution | 3.0 | 139 |
| 5.03 | Quality of the educational system | 2.0 | 143 | 11.07 | Production process sophistication | 2.2 | 143 |
| 5.04 | Quality of math and science education | 3.2 | 112 | 11.08 | Extent of marketing | 2.0 | 144 |
| 5.05 | Quality of management schools | 2.8 | 136 | 11.09 | Willingness to delegate authority | 2.4 | 142 |
| 5.06 | Internet access in schools | 1.5 | 143 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.2 | 144 | 12.01 | Capacity for innovation | 1.8 | 144 |
| 5.08 | Extent of staff training | 2.4 | 143 | 12.02 | Quality of scientific research institutions | 2.3 | 135 |
| | | | 12.03 | Company spending on R&D | 2.2 | 135 | |
| | | | 12.04 | University-industry collaboration in R&D | 2.2 | 139 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 2.4 | 139 | |
| | | | 12.06 | Availability of scientists and engineers | 3.6 | 102 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 | |

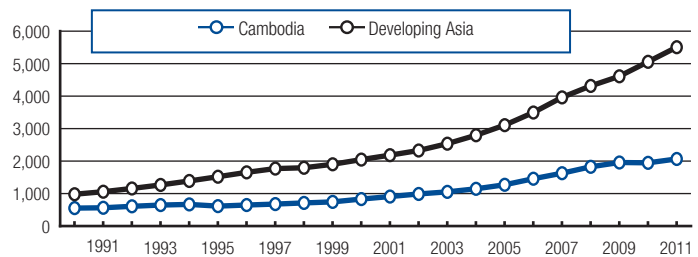
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Cambodia

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 14.4 |
| GDP (US\$ billions)..... | 12.9 |
| GDP per capita (US\$)..... | 852 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

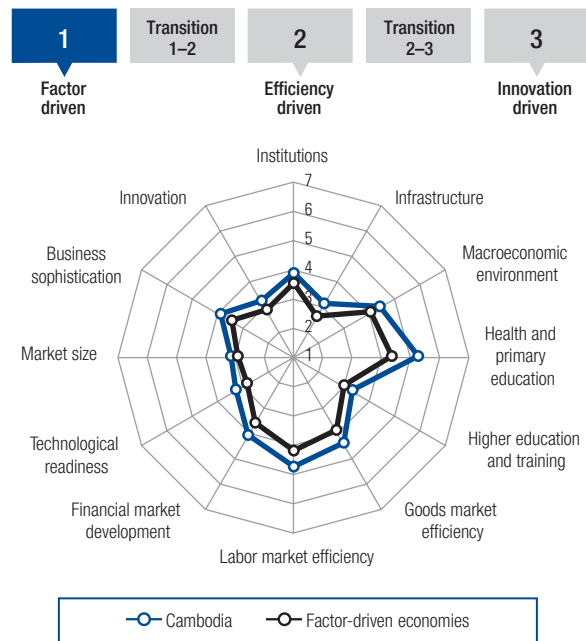
GDP (PPP) per capita (int'l \$), 1990–2011



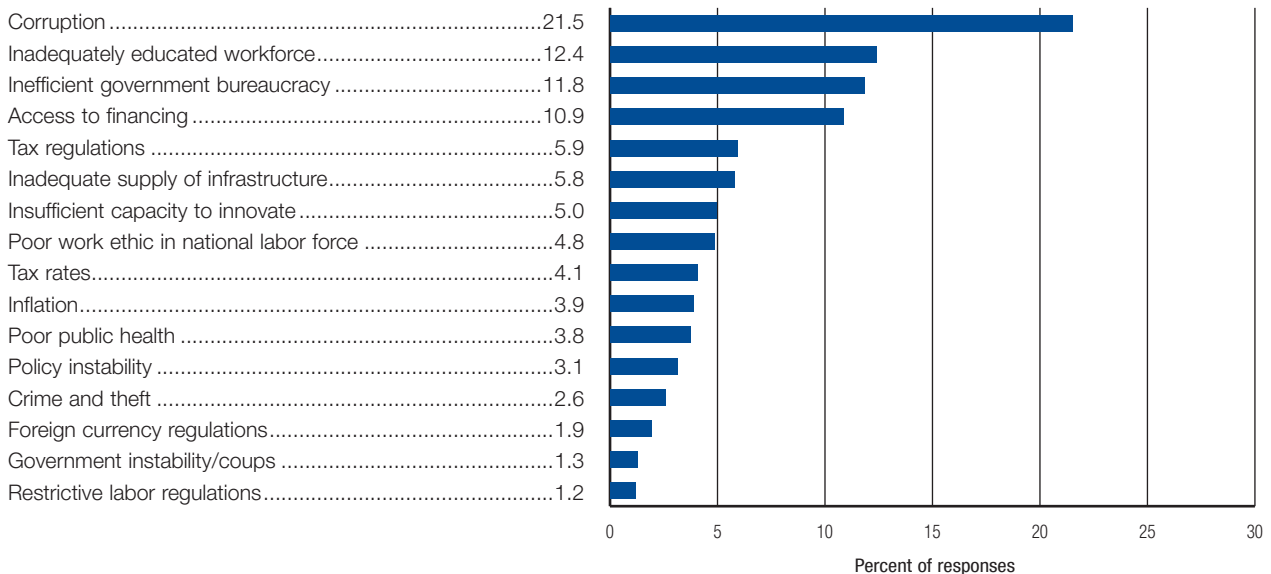
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 85 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 97 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 109 | 3.6 |
| Basic requirements (60.0%) | 97 | 4.1 |
| Institutions..... | 73 | 3.8 |
| Infrastructure..... | 104 | 3.1 |
| Macroeconomic environment..... | 91 | 4.4 |
| Health and primary education..... | 102 | 5.3 |
| Efficiency enhancers (35.0%) | 85 | 3.8 |
| Higher education and training..... | 111 | 3.3 |
| Goods market efficiency..... | 50 | 4.4 |
| Labor market efficiency..... | 28 | 4.8 |
| Financial market development..... | 64 | 4.1 |
| Technological readiness..... | 100 | 3.3 |
| Market size..... | 89 | 3.1 |
| Innovation and sophistication factors (5.0%) | 72 | 3.5 |
| Business sophistication..... | 74 | 3.9 |
| Innovation..... | 67 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Cambodia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|-----------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.8.....95 | 6.01 | Intensity of local competition | 4.8.....72 |
| 1.02 | Intellectual property protection | 3.3.....85 | 6.02 | Extent of market dominance | 4.0.....49 |
| 1.03 | Diversion of public funds | 3.4.....60 | 6.03 | Effectiveness of anti-monopoly policy | 4.3.....51 |
| 1.04 | Public trust in politicians | 3.7.....34 | 6.04 | Extent and effect of taxation | 4.0.....35 |
| 1.05 | Irregular payments and bribes | 3.2.....107 | 6.05 | Total tax rate, % profits* | 22.5.....17 |
| 1.06 | Judicial independence | 3.3.....91 | 6.06 | No. procedures to start a business* | 9.....97 |
| 1.07 | Favoritism in decisions of government officials | 3.5.....48 | 6.07 | No. days to start a business* | 85.....134 |
| 1.08 | Wastefulness of government spending | 3.8.....36 | 6.08 | Agricultural policy costs | 4.4.....27 |
| 1.09 | Burden of government regulation | 3.8.....42 | 6.09 | Prevalence of trade barriers | 4.1.....88 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0.....56 | 6.10 | Trade tariffs, % duty* | 12.8.....127 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2.....40 | 6.11 | Prevalence of foreign ownership | 4.4.....94 |
| 1.12 | Transparency of government policymaking | 4.0.....95 | 6.12 | Business impact of rules on FDI | 5.0.....38 |
| 1.13 | Gov't services for improved business performance | 4.5.....18 | 6.13 | Burden of customs procedures | 3.9.....79 |
| 1.14 | Business costs of terrorism | 5.0.....107 | 6.14 | Imports as a percentage of GDP* | 83.6.....20 |
| 1.15 | Business costs of crime and violence | 4.4.....93 | 6.15 | Degree of customer orientation | 4.9.....43 |
| 1.16 | Organized crime | 4.9.....86 | 6.16 | Buyer sophistication | 3.9.....41 |
| 1.17 | Reliability of police services | 3.5.....105 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.8.....80 | 7.01 | Cooperation in labor-employer relations | 4.2.....75 |
| 1.19 | Strength of auditing and reporting standards | 3.9.....118 | 7.02 | Flexibility of wage determination | 5.0.....71 |
| 1.20 | Efficacy of corporate boards | 4.7.....57 | 7.03 | Hiring and firing practices | 4.4.....39 |
| 1.21 | Protection of minority shareholders' interests | 3.9.....88 | 7.04 | Redundancy costs, weeks of salary* | 19.....87 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3.....65 | 7.05 | Pay and productivity | 4.4.....29 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4.....59 |
| 2.01 | Quality of overall infrastructure | 4.2.....72 | 7.07 | Brain drain | 4.1.....35 |
| 2.02 | Quality of roads | 4.0.....66 | 7.08 | Women in labor force, ratio to men* | 0.93.....15 |
| 2.03 | Quality of railroad infrastructure | 2.3.....81 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 4.2.....69 | 8.01 | Availability of financial services | 4.4.....80 |
| 2.05 | Quality of air transport infrastructure | 4.4.....75 | 8.02 | Affordability of financial services | 4.2.....63 |
| 2.06 | Available airline seat kms/week, millions* | 63.1.....90 | 8.03 | Financing through local equity market | 2.8.....108 |
| 2.07 | Quality of electricity supply | 3.6.....105 | 8.04 | Ease of access to loans | 3.1.....47 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 69.9.....117 | 8.05 | Venture capital availability | 2.9.....44 |
| 2.09 | Fixed telephone lines/100 pop.* | 3.7.....111 | 8.06 | Soundness of banks | 4.8.....89 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6.....110 |
| 3.01 | Government budget balance, % GDP* | -2.6.....65 | 8.08 | Legal rights index, 0-10 (best)* | 8.....24 |
| 3.02 | Gross national savings, % GDP* | 13.4.....110 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 5.5.....83 | 9.01 | Availability of latest technologies | 4.8.....79 |
| 3.04 | General government debt, % GDP* | 28.6.....39 | 9.02 | Firm-level technology absorption | 4.9.....61 |
| 3.05 | Country credit rating, 0-100 (best)* | 25.4.....113 | 9.03 | FDI and technology transfer | 5.0.....33 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 3.1.....133 |
| 4.01 | Business impact of malaria | 4.8.....107 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.2.....118 |
| 4.02 | Malaria cases/100,000 pop.* | 2,588.8.....114 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 13.5.....72 |
| 4.03 | Business impact of tuberculosis | 4.6.....104 | 9.07 | Mobile broadband subscriptions/100 pop.* | 2.2.....99 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 437.0.....133 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 4.7.....98 | 10.01 | Domestic market size index, 1-7 (best)* | 2.9.....92 |
| 4.06 | HIV prevalence, % adult pop.* | 0.5.....87 | 10.02 | Foreign market size index, 1-7 (best)* | 4.0.....78 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 42.9.....110 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 62.5.....113 | 11.01 | Local supplier quantity | 4.2.....111 |
| 4.09 | Quality of primary education | 3.4.....87 | 11.02 | Local supplier quality | 4.0.....102 |
| 4.10 | Primary education enrollment, net %* | 95.9.....45 | 11.03 | State of cluster development | 4.0.....48 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5.....72 |
| 5.01 | Secondary education enrollment, gross %* | 46.2.....118 | 11.05 | Value chain breadth | 3.8.....52 |
| 5.02 | Tertiary education enrollment, gross %* | 7.8.....118 | 11.06 | Control of international distribution | 4.0.....76 |
| 5.03 | Quality of the educational system | 3.9.....58 | 11.07 | Production process sophistication | 3.4.....87 |
| 5.04 | Quality of math and science education | 3.7.....90 | 11.08 | Extent of marketing | 3.9.....77 |
| 5.05 | Quality of management schools | 3.8.....96 | 11.09 | Willingness to delegate authority | 3.8.....58 |
| 5.06 | Internet access in schools | 3.8.....83 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 4.0.....78 | 12.01 | Capacity for innovation | 3.2.....65 |
| 5.08 | Extent of staff training | 3.9.....74 | 12.02 | Quality of scientific research institutions | 3.6.....68 |
| | | | 12.03 | Company spending on R&D | 3.3.....52 |
| | | | 12.04 | University-industry collaboration in R&D | 3.5.....71 |
| | | | 12.05 | Gov't procurement of advanced tech products | 4.1.....24 |
| | | | 12.06 | Availability of scientists and engineers | 3.5.....109 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0.....119 |

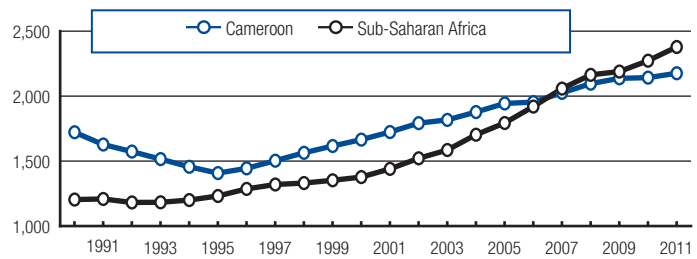
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Cameroon

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 20.1 |
| GDP (US\$ billions)..... | 25.8 |
| GDP per capita (US\$)..... | 1,230 |
| GDP (PPP) as share (%) of world total..... | 0.06 |

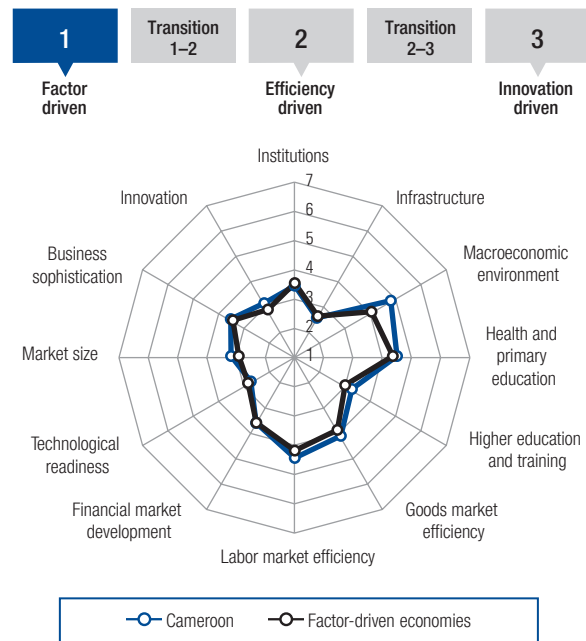
GDP (PPP) per capita (int'l \$), 1990–2011



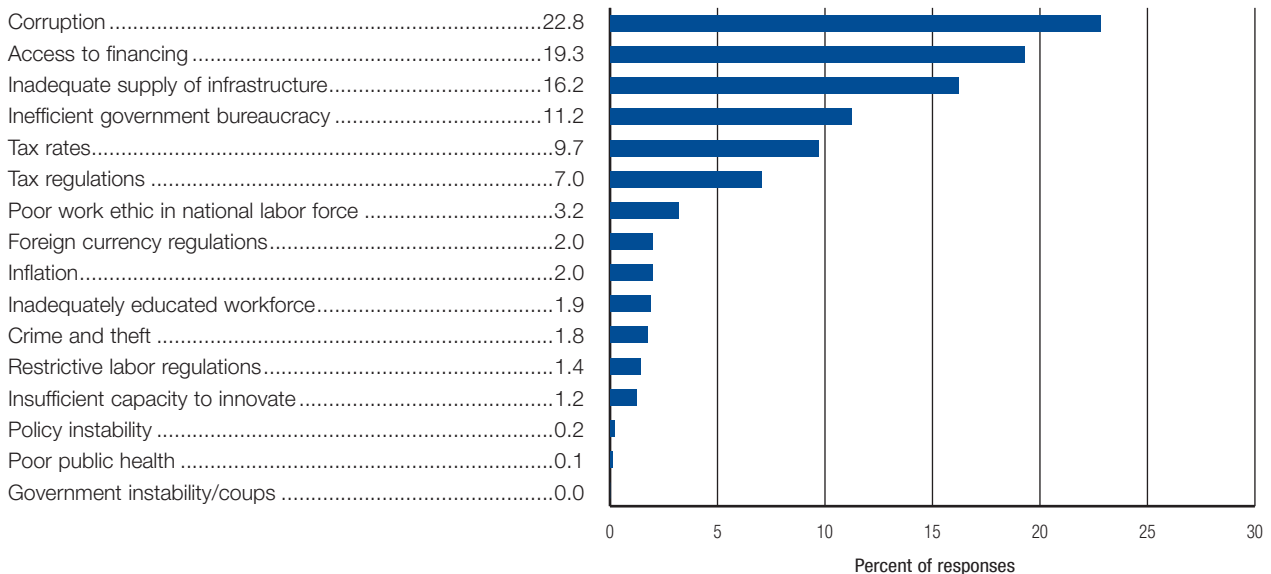
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 112 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 116 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 111 | 3.6 |
| Basic requirements (60.0%) | 115 | 3.8 |
| Institutions..... | 107 | 3.4 |
| Infrastructure..... | 125 | 2.5 |
| Macroeconomic environment..... | 59 | 4.8 |
| Health and primary education..... | 118 | 4.5 |
| Efficiency enhancers (35.0%) | 111 | 3.6 |
| Higher education and training..... | 115 | 3.3 |
| Goods market efficiency..... | 89 | 4.1 |
| Labor market efficiency..... | 58 | 4.5 |
| Financial market development..... | 105 | 3.6 |
| Technological readiness..... | 126 | 2.7 |
| Market size..... | 87 | 3.2 |
| Innovation and sophistication factors (5.0%) | 95 | 3.3 |
| Business sophistication..... | 104 | 3.5 |
| Innovation..... | 79 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Cameroon

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|------------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.8.....97 | 6.01 | Intensity of local competition | 4.4.....97 |
| 1.02 | Intellectual property protection | 3.1.....100 | 6.02 | Extent of market dominance | 4.1.....43 |
| 1.03 | Diversion of public funds | 2.2.....133 | 6.03 | Effectiveness of anti-monopoly policy | 4.6.....33 |
| 1.04 | Public trust in politicians | 2.1.....111 | 6.04 | Extent and effect of taxation | 3.3.....93 |
| 1.05 | Irregular payments and bribes | 2.9.....128 | 6.05 | Total tax rate, % profits* | 49.1.....108 |
| 1.06 | Judicial independence | 2.5.....127 | 6.06 | No. procedures to start a business* | 5.....29 |
| 1.07 | Favoritism in decisions of government officials | 2.6.....108 | 6.07 | No. days to start a business* | 15.....71 |
| 1.08 | Wastefulness of government spending | 2.6.....108 | 6.08 | Agricultural policy costs | 4.2.....46 |
| 1.09 | Burden of government regulation | 3.4.....73 | 6.09 | Prevalence of trade barriers | 4.5.....54 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.4.....88 | 6.10 | Trade tariffs, % duty* | 13.3.....130 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3.....91 | 6.11 | Prevalence of foreign ownership | 5.4.....29 |
| 1.12 | Transparency of government policymaking | 4.2.....73 | 6.12 | Business impact of rules on FDI | 4.8.....53 |
| 1.13 | Gov't services for improved business performance | 4.0.....49 | 6.13 | Burden of customs procedures | 4.2.....63 |
| 1.14 | Business costs of terrorism | 5.2.....95 | 6.14 | Imports as a percentage of GDP* | 30.5.....117 |
| 1.15 | Business costs of crime and violence | 4.3.....101 | 6.15 | Degree of customer orientation | 4.1.....111 |
| 1.16 | Organized crime | 4.7.....96 | 6.16 | Buyer sophistication | 3.1.....99 |
| 1.17 | Reliability of police services | 3.9.....88 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.4.....113 | 7.01 | Cooperation in labor-employer relations | 4.1.....94 |
| 1.19 | Strength of auditing and reporting standards | 3.7.....124 | 7.02 | Flexibility of wage determination | 4.8.....88 |
| 1.20 | Efficacy of corporate boards | 4.7.....58 | 7.03 | Hiring and firing practices | 4.9.....18 |
| 1.21 | Protection of minority shareholders' interests | 4.1.....76 | 7.04 | Redundancy costs, weeks of salary* | 14.....65 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3.....101 | 7.05 | Pay and productivity | 3.6.....95 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3.....64 |
| 2.01 | Quality of overall infrastructure | 3.2.....122 | 7.07 | Brain drain | 3.2.....92 |
| 2.02 | Quality of roads | 2.9.....112 | 7.08 | Women in labor force, ratio to men* | 0.85.....53 |
| 2.03 | Quality of railroad infrastructure | 2.5.....75 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 3.7.....99 | 8.01 | Availability of financial services | 3.9.....99 |
| 2.05 | Quality of air transport infrastructure | 3.7.....109 | 8.02 | Affordability of financial services | 3.6.....107 |
| 2.06 | Available airline seat kms/week, millions* | 45.2.....99 | 8.03 | Financing through local equity market | 3.2.....81 |
| 2.07 | Quality of electricity supply | 2.8.....120 | 8.04 | Ease of access to loans | 2.4.....97 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 52.4.....128 | 8.05 | Venture capital availability | 2.2.....108 |
| 2.09 | Fixed telephone lines/100 pop.* | 3.3.....112 | 8.06 | Soundness of banks | 4.6.....94 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.4.....115 |
| 3.01 | Government budget balance, % GDP* | -1.9.....51 | 8.08 | Legal rights index, 0-10 (best)* | 6.....65 |
| 3.02 | Gross national savings, % GDP* | 14.8.....99 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 2.9.....26 | 9.01 | Availability of latest technologies | 4.0.....123 |
| 3.04 | General government debt, % GDP* | 12.9.....16 | 9.02 | Firm-level technology absorption | 4.2.....113 |
| 3.05 | Country credit rating, 0-100 (best)* | 24.6.....114 | 9.03 | FDI and technology transfer | 4.7.....73 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 5.0.....126 |
| 4.01 | Business impact of malaria | 3.4.....127 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0.....139 |
| 4.02 | Malaria cases/100,000 pop.* | 26,842.0.....130 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.3.....140 |
| 4.03 | Business impact of tuberculosis | 4.6.....105 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0.....128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 177.0.....110 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 4.3.....115 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1.....85 |
| 4.06 | HIV prevalence, % adult pop.* | 5.3.....132 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5.....101 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 84.4.....136 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 51.1.....135 | 11.01 | Local supplier quantity | 4.2.....115 |
| 4.09 | Quality of primary education | 3.8.....68 | 11.02 | Local supplier quality | 4.1.....97 |
| 4.10 | Primary education enrollment, net %* | 92.4.....80 | 11.03 | State of cluster development | 3.2.....102 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7.....126 |
| 5.01 | Secondary education enrollment, gross %* | 42.2.....122 | 11.05 | Value chain breadth | 3.4.....81 |
| 5.02 | Tertiary education enrollment, gross %* | 11.5.....107 | 11.06 | Control of international distribution | 3.3.....131 |
| 5.03 | Quality of the educational system | 3.7.....66 | 11.07 | Production process sophistication | 3.4.....95 |
| 5.04 | Quality of math and science education | 3.9.....75 | 11.08 | Extent of marketing | 3.6.....103 |
| 5.05 | Quality of management schools | 4.5.....46 | 11.09 | Willingness to delegate authority | 3.5.....90 |
| 5.06 | Internet access in schools | 2.4.....130 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 4.1.....70 | 12.01 | Capacity for innovation | 2.7.....110 |
| 5.08 | Extent of staff training | 3.8.....83 | 12.02 | Quality of scientific research institutions | 3.4.....91 |
| | | | 12.03 | Company spending on R&D | 3.0.....78 |
| | | | 12.04 | University-industry collaboration in R&D | 3.2.....98 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.9.....43 |
| | | | 12.06 | Availability of scientists and engineers | 4.4.....49 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.2.....86 |

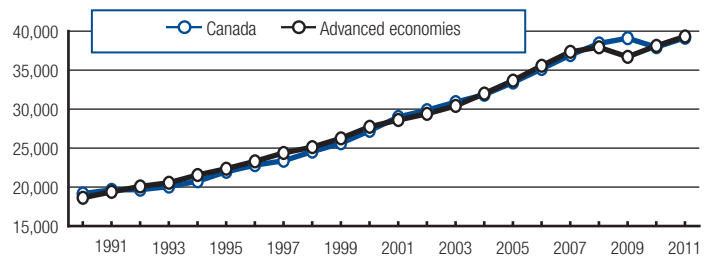
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Canada

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 35.7 |
| GDP (US\$ billions)..... | 1,736.9 |
| GDP per capita (US\$)..... | 50,436 |
| GDP (PPP) as share (%) of world total..... | 1.77 |

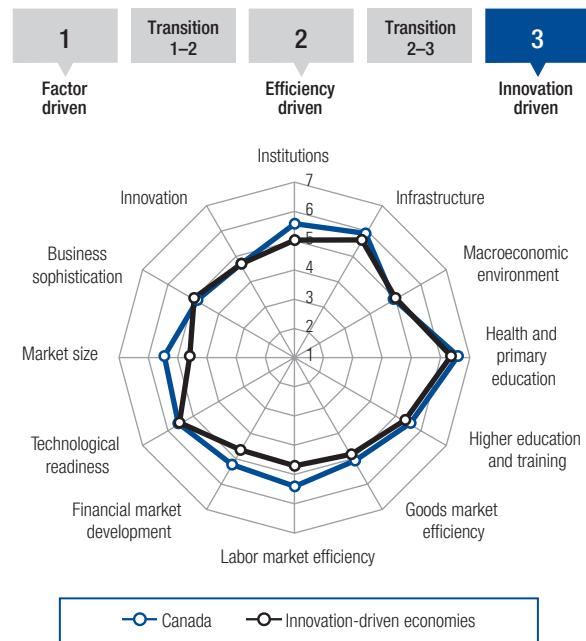
GDP (PPP) per capita (int'l \$), 1990–2011



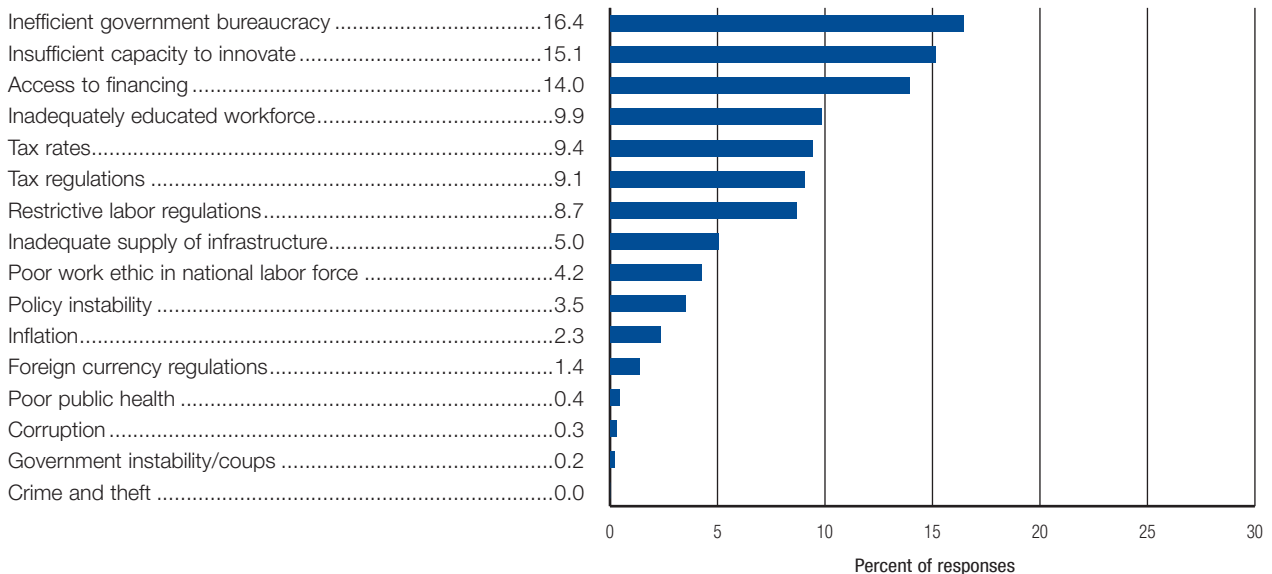
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 14 | 5.3 |
| GCI 2011–2012 (out of 142)..... | 12 | 5.3 |
| GCI 2010–2011 (out of 139)..... | 10 | 5.3 |
| Basic requirements (20.0%) | 14 | 5.7 |
| Institutions..... | 11 | 5.5 |
| Infrastructure..... | 13 | 5.8 |
| Macroeconomic environment..... | 51 | 4.9 |
| Health and primary education..... | 7 | 6.6 |
| Efficiency enhancers (50.0%) | 6 | 5.4 |
| Higher education and training..... | 15 | 5.6 |
| Goods market efficiency..... | 13 | 5.1 |
| Labor market efficiency..... | 4 | 5.5 |
| Financial market development..... | 11 | 5.3 |
| Technological readiness..... | 20 | 5.6 |
| Market size..... | 13 | 5.5 |
| Innovation and sophistication factors (30.0%) | 21 | 4.7 |
| Business sophistication..... | 26 | 4.8 |
| Innovation..... | 22 | 4.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.0 | 8 | 6.01 | Intensity of local competition | 5.6 | 19 |
| 1.02 | Intellectual property protection | 5.4 | 17 | 6.02 | Extent of market dominance | 5.0 | 13 |
| 1.03 | Diversion of public funds | 5.6 | 14 | 6.03 | Effectiveness of anti-monopoly policy | 4.9 | 21 |
| 1.04 | Public trust in politicians | 4.4 | 19 | 6.04 | Extent and effect of taxation | 4.1 | 28 |
| 1.05 | Irregular payments and bribes | 6.0 | 16 | 6.05 | Total tax rate, % profits* | 28.8 | 32 |
| 1.06 | Judicial independence | 6.3 | 5 | 6.06 | No. procedures to start a business* | 1 | 1 |
| 1.07 | Favoritism in decisions of government officials | 4.2 | 23 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 4.4 | 20 | 6.08 | Agricultural policy costs | 4.2 | 41 |
| 1.09 | Burden of government regulation | 3.5 | 60 | 6.09 | Prevalence of trade barriers | 4.5 | 56 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.4 | 9 | 6.10 | Trade tariffs, % duty* | 2.7 | 42 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.1 | 12 | 6.11 | Prevalence of foreign ownership | 5.7 | 10 |
| 1.12 | Transparency of government policymaking | 5.4 | 11 | 6.12 | Business impact of rules on FDI | 4.7 | 60 |
| 1.13 | Gov't services for improved business performance | 4.1 | 40 | 6.13 | Burden of customs procedures | 4.8 | 32 |
| 1.14 | Business costs of terrorism | 5.5 | 82 | 6.14 | Imports as a percentage of GDP* | 32.3 | 112 |
| 1.15 | Business costs of crime and violence | 5.6 | 33 | 6.15 | Degree of customer orientation | 5.5 | 13 |
| 1.16 | Organized crime | 5.8 | 44 | 6.16 | Buyer sophistication | 4.6 | 12 |
| 1.17 | Reliability of police services | 6.2 | 8 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.2 | 7 | 7.01 | Cooperation in labor-employer relations | 5.0 | 25 |
| 1.19 | Strength of auditing and reporting standards | 6.1 | 6 | 7.02 | Flexibility of wage determination | 5.5 | 26 |
| 1.20 | Efficacy of corporate boards | 5.5 | 8 | 7.03 | Hiring and firing practices | 4.9 | 14 |
| 1.21 | Protection of minority shareholders' interests | 5.4 | 11 | 7.04 | Redundancy costs, weeks of salary* | 10 | 37 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.3 | 5 | 7.05 | Pay and productivity | 4.5 | 24 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.0 | 7 | |
| 2.01 | Quality of overall infrastructure | 6.0 | 15 | 7.07 | Brain drain | 5.5 | 7 |
| 2.02 | Quality of roads | 5.9 | 16 | 7.08 | Women in labor force, ratio to men* | 0.91 | 25 |
| 2.03 | Quality of railroad infrastructure | 5.0 | 15 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.7 | 16 | 8.01 | Availability of financial services | 6.2 | 5 |
| 2.05 | Quality of air transport infrastructure | 5.9 | 23 | 8.02 | Affordability of financial services | 5.3 | 16 |
| 2.06 | Available airline seat kms/week, millions* | 3,324.5 | 11 | 8.03 | Financing through local equity market | 4.9 | 10 |
| 2.07 | Quality of electricity supply | 6.6 | 14 | 8.04 | Ease of access to loans | 3.8 | 18 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 75.3 | 111 | 8.05 | Venture capital availability | 3.6 | 20 |
| 2.09 | Fixed telephone lines/100 pop.* | 47.9 | 16 | 8.06 | Soundness of banks | 6.8 | 1 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.4 | 17 | |
| 3.01 | Government budget balance, % GDP* | -4.5 | 104 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 20.0 | 73 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.9 | 1 | 9.01 | Availability of latest technologies | 6.3 | 18 |
| 3.04 | General government debt, % GDP* | 85.0 | 129 | 9.02 | Firm-level technology absorption | 5.6 | 30 |
| 3.05 | Country credit rating, 0-100 (best)* | 93.1 | 3 | 9.03 | FDI and technology transfer | 5.3 | 17 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 83.0 | 12 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 32.0 | 13 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 70.2 | 22 |
| 4.03 | Business impact of tuberculosis | 6.3 | 24 | 9.07 | Mobile broadband subscriptions/100 pop.* | 32.9 | 33 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.7 | 7 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 37 | 10.01 | Domestic market size index, 1-7 (best)* | 5.4 | 14 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 5.7 | 19 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.2 | 32 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.8 | 14 | 11.01 | Local supplier quantity | 5.1 | 33 |
| 4.09 | Quality of primary education | 5.6 | 11 | 11.02 | Local supplier quality | 5.6 | 9 |
| 4.10 | Primary education enrollment, net %* | 99.8 | 3 | 11.03 | State of cluster development | 4.9 | 16 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.3 | 83 | |
| 5.01 | Secondary education enrollment, gross %* | 101.3 | 25 | 11.05 | Value chain breadth | 3.8 | 51 |
| 5.02 | Tertiary education enrollment, gross %* | 60.0 | 35 | 11.06 | Control of international distribution | 4.4 | 34 |
| 5.03 | Quality of the educational system | 5.4 | 6 | 11.07 | Production process sophistication | 5.2 | 23 |
| 5.04 | Quality of math and science education | 5.3 | 14 | 11.08 | Extent of marketing | 5.4 | 14 |
| 5.05 | Quality of management schools | 5.7 | 5 | 11.09 | Willingness to delegate authority | 5.2 | 8 |
| 5.06 | Internet access in schools | 6.1 | 13 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.5 | 13 | 12.01 | Capacity for innovation | 4.1 | 25 |
| 5.08 | Extent of staff training | 4.7 | 23 | 12.02 | Quality of scientific research institutions | 5.5 | 16 |
| | | | | 12.03 | Company spending on R&D | 3.9 | 26 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.1 | 15 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 47 |
| | | | | 12.06 | Availability of scientists and engineers | 5.4 | 6 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 77.6 | 21 |

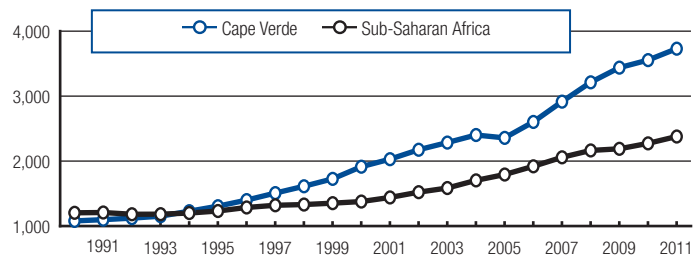
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Cape Verde

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 0.5 |
| GDP (US\$ billions)..... | 1.9 |
| GDP per capita (US\$)..... | 3,661 |
| GDP (PPP) as share (%) of world total..... | 0.00 |

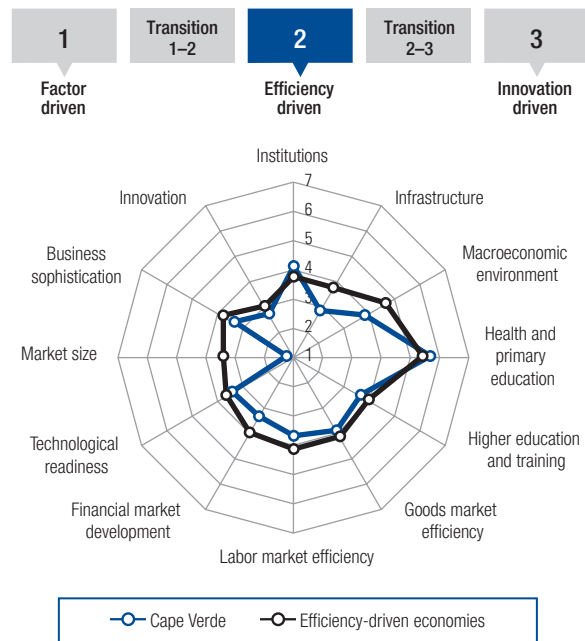
GDP (PPP) per capita (int'l \$), 1990–2011



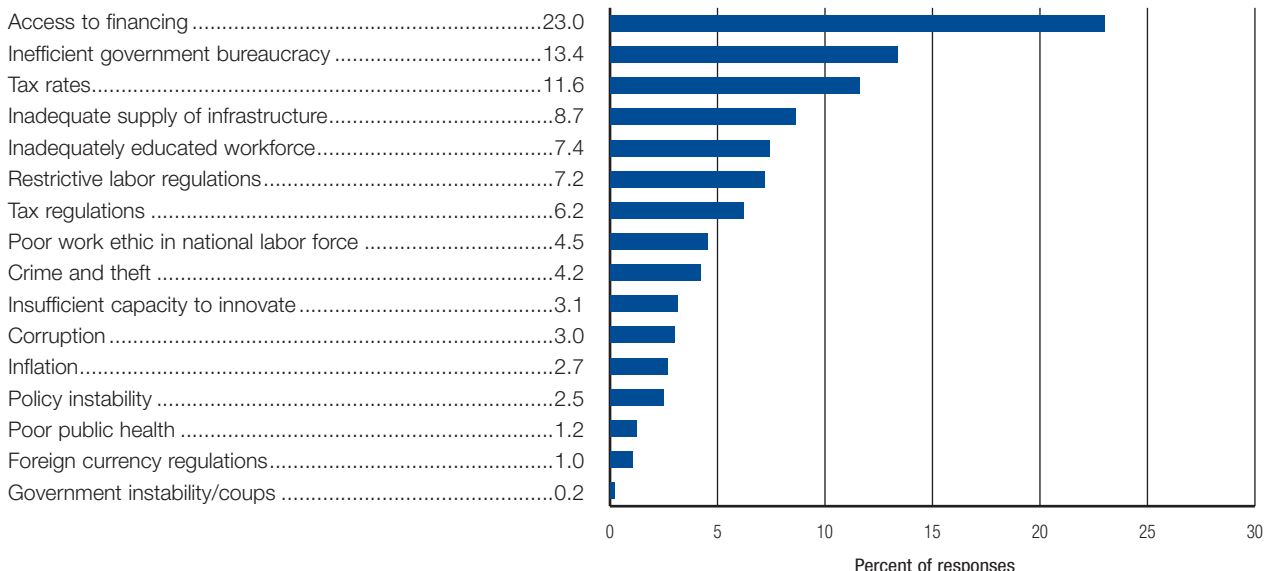
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 122 | 3.5 |
| GCI 2011–2012 (out of 142)..... | 119 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 117 | 3.5 |
| Basic requirements (40.0%) | 100 | 4.1 |
| Institutions..... | 57 | 4.1 |
| Infrastructure..... | 114 | 2.8 |
| Macroeconomic environment..... | 121 | 3.8 |
| Health and primary education..... | 71 | 5.7 |
| Efficiency enhancers (50.0%) | 128 | 3.2 |
| Higher education and training..... | 99 | 3.6 |
| Goods market efficiency..... | 105 | 3.9 |
| Labor market efficiency..... | 126 | 3.7 |
| Financial market development..... | 121 | 3.4 |
| Technological readiness..... | 90 | 3.4 |
| Market size..... | 143 | 1.2 |
| Innovation and sophistication factors (10.0%) | 119 | 3.0 |
| Business sophistication..... | 118 | 3.3 |
| Innovation..... | 120 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Cape Verde

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.0 | 86 | 6.01 | Intensity of local competition | 4.0 | 122 |
| 1.02 | Intellectual property protection | 2.9 | 113 | 6.02 | Extent of market dominance | 3.7 | 75 |
| 1.03 | Diversion of public funds | 4.4 | 40 | 6.03 | Effectiveness of anti-monopoly policy | 3.6 | 101 |
| 1.04 | Public trust in politicians | 4.0 | 28 | 6.04 | Extent and effect of taxation | 3.3 | 85 |
| 1.05 | Irregular payments and bribes | 4.9 | 38 | 6.05 | Total tax rate, % profits* | 37.8 | 69 |
| 1.06 | Judicial independence | 4.2 | 51 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 3.5 | 49 | 6.07 | No. days to start a business* | 11 | 52 |
| 1.08 | Wastefulness of government spending | 3.5 | 54 | 6.08 | Agricultural policy costs | 4.1 | 51 |
| 1.09 | Burden of government regulation | 3.8 | 38 | 6.09 | Prevalence of trade barriers | 3.7 | 121 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.7 | 70 | 6.10 | Trade tariffs, % duty* | 11.1 | 114 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.7 | 64 | 6.11 | Prevalence of foreign ownership | 4.6 | 79 |
| 1.12 | Transparency of government policymaking | 4.4 | 58 | 6.12 | Business impact of rules on FDI | 4.5 | 83 |
| 1.13 | Gov't services for improved business performance | 3.9 | 53 | 6.13 | Burden of customs procedures | 3.4 | 116 |
| 1.14 | Business costs of terrorism | 5.5 | 80 | 6.14 | Imports as a percentage of GDP* | 64.8 | 39 |
| 1.15 | Business costs of crime and violence | 4.0 | 106 | 6.15 | Degree of customer orientation | 3.6 | 138 |
| 1.16 | Organized crime | 4.5 | 104 | 6.16 | Buyer sophistication | 2.9 | 113 |
| 1.17 | Reliability of police services | 4.5 | 58 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.4 | 46 | 7.01 | Cooperation in labor-employer relations | 3.9 | 110 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 112 | 7.02 | Flexibility of wage determination | 5.3 | 46 |
| 1.20 | Efficacy of corporate boards | 4.0 | 117 | 7.03 | Hiring and firing practices | 3.6 | 99 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 92 | 7.04 | Redundancy costs, weeks of salary* | 30 | 124 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.0 | 131 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.7 | 109 | |
| 2.01 | Quality of overall infrastructure | 3.7 | 94 | 7.07 | Brain drain | 3.2 | 93 |
| 2.02 | Quality of roads | 4.1 | 65 | 7.08 | Women in labor force, ratio to men* | 0.64 | 108 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.9 | 85 | 8.01 | Availability of financial services | 3.7 | 116 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 81 | 8.02 | Affordability of financial services | 3.8 | 93 |
| 2.06 | Available airline seat kms/week, millions* | 36.2 | 103 | 8.03 | Financing through local equity market | 3.2 | 83 |
| 2.07 | Quality of electricity supply | 1.8 | 135 | 8.04 | Ease of access to loans | 2.2 | 116 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 79.2 | 109 | 8.05 | Venture capital availability | 2.3 | 99 |
| 2.09 | Fixed telephone lines/100 pop.* | 14.9 | 84 | 8.06 | Soundness of banks | 5.1 | 72 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.8 | 95 | |
| 3.01 | Government budget balance, % GDP* | -8.9 | 138 | 8.08 | Legal rights index, 0-10 (best)* | 2 | 135 |
| 3.02 | Gross national savings, % GDP* | 24.1 | 51 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.5 | 66 | 9.01 | Availability of latest technologies | 5.0 | 68 |
| 3.04 | General government debt, % GDP* | 77.6 | 123 | 9.02 | Firm-level technology absorption | 4.7 | 76 |
| 3.05 | Country credit rating, 0-100 (best)* | 31.5 | 102 | 9.03 | FDI and technology transfer | 4.7 | 70 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 32.0 | 83 | |
| 4.01 | Business impact of malaria | 5.2 | 97 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.3 | 78 |
| 4.02 | Malaria cases/100,000 pop.* | 68.8 | 96 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 5.8 | 102 |
| 4.03 | Business impact of tuberculosis | 5.0 | 88 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.0 | 95 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 147.0 | 106 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.0 | 88 | 10.01 | Domestic market size index, 1-7 (best)* | 1.1 | 143 |
| 4.06 | HIV prevalence, % adult pop.* | 0.8 | 98 | 10.02 | Foreign market size index, 1-7 (best)* | 1.8 | 140 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 29.2 | 99 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.8 | 65 | 11.01 | Local supplier quantity | 3.9 | 131 |
| 4.09 | Quality of primary education | 3.9 | 65 | 11.02 | Local supplier quality | 3.7 | 128 |
| 4.10 | Primary education enrollment, net %* | 93.2 | 74 | 11.03 | State of cluster development | 3.0 | 118 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 53 | |
| 5.01 | Secondary education enrollment, gross %* | 87.5 | 76 | 11.05 | Value chain breadth | 2.8 | 128 |
| 5.02 | Tertiary education enrollment, gross %* | 17.8 | 96 | 11.06 | Control of international distribution | 3.3 | 132 |
| 5.03 | Quality of the educational system | 3.8 | 64 | 11.07 | Production process sophistication | 3.1 | 110 |
| 5.04 | Quality of math and science education | 3.4 | 108 | 11.08 | Extent of marketing | 3.3 | 120 |
| 5.05 | Quality of management schools | 3.5 | 114 | 11.09 | Willingness to delegate authority | 3.2 | 107 |
| 5.06 | Internet access in schools | 3.6 | 90 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 120 | 12.01 | Capacity for innovation | 2.3 | 137 |
| 5.08 | Extent of staff training | 3.2 | 120 | 12.02 | Quality of scientific research institutions | 2.8 | 119 |
| | | | | 12.03 | Company spending on R&D | 2.3 | 133 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.1 | 109 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 42 |
| | | | | 12.06 | Availability of scientists and engineers | 3.3 | 127 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

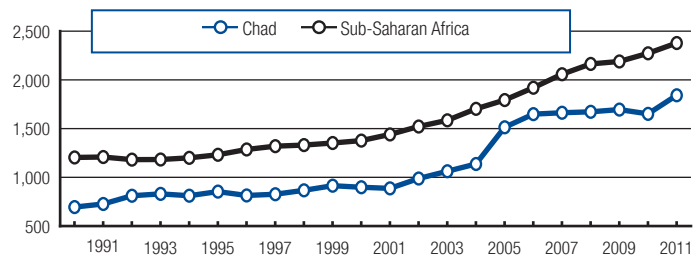
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Chad

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 11.6 |
| GDP (US\$ billions)..... | 9.3 |
| GDP per capita (US\$)..... | 892 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

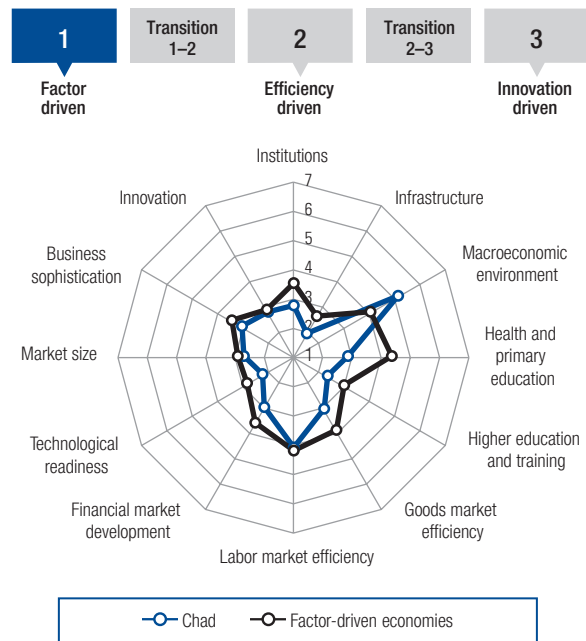
GDP (PPP) per capita (int'l \$), 1990–2011



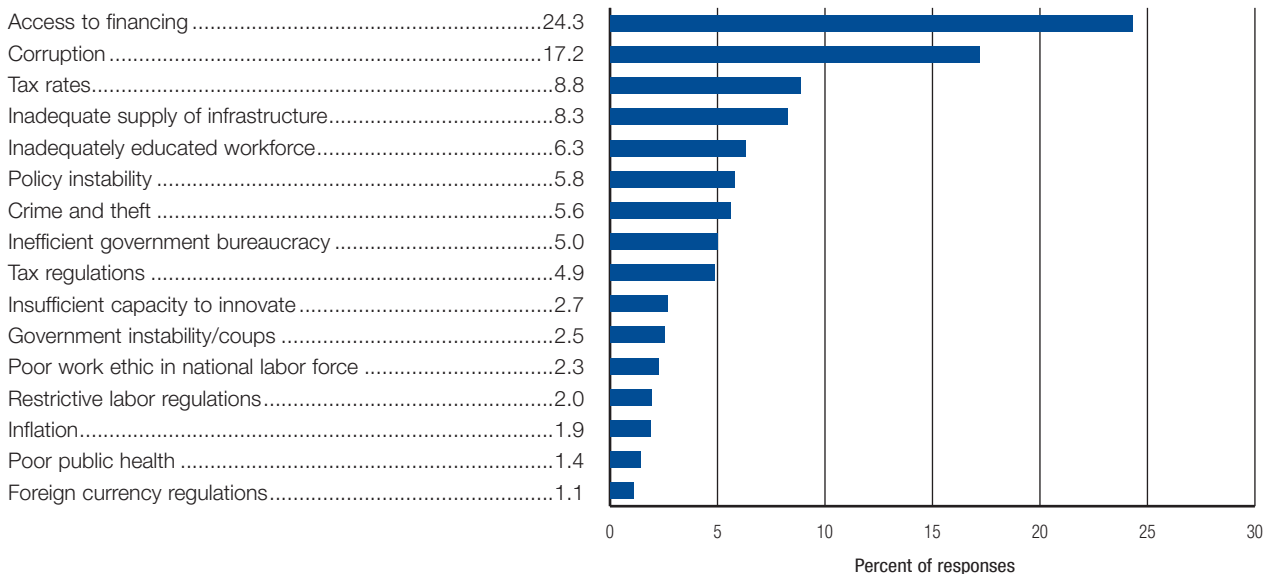
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 139 | 3.1 |
| GCI 2011–2012 (out of 142)..... | 142 | 2.9 |
| GCI 2010–2011 (out of 139)..... | 139 | 2.7 |
| Basic requirements (60.0%) | 139 | 3.1 |
| Institutions..... | 140 | 2.7 |
| Infrastructure..... | 140 | 1.9 |
| Macroeconomic environment..... | 45 | 5.1 |
| Health and primary education..... | 144 | 2.9 |
| Efficiency enhancers (35.0%) | 141 | 2.9 |
| Higher education and training..... | 140 | 2.3 |
| Goods market efficiency..... | 141 | 3.1 |
| Labor market efficiency..... | 95 | 4.1 |
| Financial market development..... | 137 | 3.0 |
| Technological readiness..... | 143 | 2.2 |
| Market size..... | 112 | 2.7 |
| Innovation and sophistication factors (5.0%) | 129 | 2.9 |
| Business sophistication..... | 138 | 3.0 |
| Innovation..... | 113 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.6 | 139 | 6.01 | Intensity of local competition | 3.3 | 142 |
| 1.02 | Intellectual property protection | 2.1 | 138 | 6.02 | Extent of market dominance | 2.9 | 134 |
| 1.03 | Diversion of public funds | 2.2 | 134 | 6.03 | Effectiveness of anti-monopoly policy | 3.1 | 135 |
| 1.04 | Public trust in politicians | 2.2 | 108 | 6.04 | Extent and effect of taxation | 2.6 | 132 |
| 1.05 | Irregular payments and bribes | 2.3 | 141 | 6.05 | Total tax rate, % profits* | 65.4 | 127 |
| 1.06 | Judicial independence | 2.2 | 136 | 6.06 | No. procedures to start a business* | 11 | 119 |
| 1.07 | Favoritism in decisions of government officials | 2.4 | 124 | 6.07 | No. days to start a business* | 66 | 132 |
| 1.08 | Wastefulness of government spending | 2.1 | 134 | 6.08 | Agricultural policy costs | 3.7 | 89 |
| 1.09 | Burden of government regulation | 3.1 | 95 | 6.09 | Prevalence of trade barriers | 3.4 | 135 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 131 | 6.10 | Trade tariffs, % duty* | 13.6 | 131 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.8 | 121 | 6.11 | Prevalence of foreign ownership | 3.4 | 131 |
| 1.12 | Transparency of government policymaking | 3.1 | 138 | 6.12 | Business impact of rules on FDI | 3.5 | 129 |
| 1.13 | Gov't services for improved business performance | 2.9 | 119 | 6.13 | Burden of customs procedures | 2.8 | 139 |
| 1.14 | Business costs of terrorism | 4.4 | 125 | 6.14 | Imports as a percentage of GDP* | 54.2 | 54 |
| 1.15 | Business costs of crime and violence | 3.6 | 117 | 6.15 | Degree of customer orientation | 3.1 | 143 |
| 1.16 | Organized crime | 3.5 | 134 | 6.16 | Buyer sophistication | 2.2 | 137 |
| 1.17 | Reliability of police services | 2.4 | 139 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 2.8 | 140 | 7.01 | Cooperation in labor-employer relations | 3.4 | 132 |
| 1.19 | Strength of auditing and reporting standards | 3.3 | 135 | 7.02 | Flexibility of wage determination | 5.4 | 38 |
| 1.20 | Efficacy of corporate boards | 3.3 | 142 | 7.03 | Hiring and firing practices | 4.7 | 23 |
| 1.21 | Protection of minority shareholders' interests | 2.9 | 142 | 7.04 | Redundancy costs, weeks of salary* | 13 | 55 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.3 | 125 | 7.05 | Pay and productivity | 3.0 | 130 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 2.4 | 143 | |
| 2.01 | Quality of overall infrastructure | 2.8 | 134 | 7.07 | Brain drain | 2.8 | 112 |
| 2.02 | Quality of roads | 3.1 | 103 | 7.08 | Women in labor force, ratio to men* | 0.81 | 66 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.8 | 130 | 8.01 | Availability of financial services | 2.9 | 139 |
| 2.05 | Quality of air transport infrastructure | 2.9 | 136 | 8.02 | Affordability of financial services | 2.7 | 141 |
| 2.06 | Available airline seat kms/week, millions* | 9.1 | 135 | 8.03 | Financing through local equity market | 2.5 | 120 |
| 2.07 | Quality of electricity supply | 1.5 | 140 | 8.04 | Ease of access to loans | 2.2 | 120 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 31.8 | 141 | 8.05 | Venture capital availability | 2.0 | 124 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.3 | 140 | 8.06 | Soundness of banks | 3.8 | 134 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.4 | 138 | |
| 3.01 | Government budget balance, % GDP* | 3.2 | 15 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 18.8 | 76 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.9 | 1 | 9.01 | Availability of latest technologies | 3.3 | 143 |
| 3.04 | General government debt, % GDP* | 32.2 | 47 | 9.02 | Firm-level technology absorption | 3.7 | 137 |
| 3.05 | Country credit rating, 0-100 (best)* | 15.7 | 138 | 9.03 | FDI and technology transfer | 3.3 | 141 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 1.9 | 138 | |
| 4.01 | Business impact of malaria | 2.4 | 141 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 142 |
| 4.02 | Malaria cases/100,000 pop.* | 37,881.4 | 142 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.2 | 141 |
| 4.03 | Business impact of tuberculosis | 3.0 | 141 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 276.0 | 127 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.9 | 138 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 112 |
| 4.06 | HIV prevalence, % adult pop.* | 3.4 | 128 | 10.02 | Foreign market size index, 1-7 (best)* | 3.3 | 110 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 98.9 | 142 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 49.2 | 140 | 11.01 | Local supplier quantity | 5.1 | 34 |
| 4.09 | Quality of primary education | 2.4 | 128 | 11.02 | Local supplier quality | 3.6 | 134 |
| 4.10 | Primary education enrollment, net %* | 62.3 | 138 | 11.03 | State of cluster development | 2.9 | 124 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 123 | |
| 5.01 | Secondary education enrollment, gross %* | 24.6 | 141 | 11.05 | Value chain breadth | 2.9 | 118 |
| 5.02 | Tertiary education enrollment, gross %* | 2.2 | 136 | 11.06 | Control of international distribution | 2.9 | 142 |
| 5.03 | Quality of the educational system | 3.0 | 113 | 11.07 | Production process sophistication | 2.6 | 132 |
| 5.04 | Quality of math and science education | 3.2 | 111 | 11.08 | Extent of marketing | 2.6 | 136 |
| 5.05 | Quality of management schools | 3.2 | 128 | 11.09 | Willingness to delegate authority | 2.5 | 140 |
| 5.06 | Internet access in schools | 1.5 | 144 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 117 | 12.01 | Capacity for innovation | 2.7 | 105 |
| 5.08 | Extent of staff training | 2.9 | 139 | 12.02 | Quality of scientific research institutions | 2.7 | 120 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 53 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 119 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 112 |
| | | | | 12.06 | Availability of scientists and engineers | 3.7 | 92 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 104 |

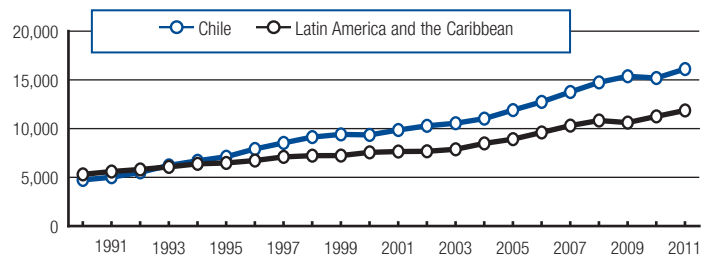
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Chile

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 17.6 |
| GDP (US\$ billions)..... | 248.4 |
| GDP per capita (US\$)..... | 14,278 |
| GDP (PPP) as share (%) of world total..... | 0.38 |

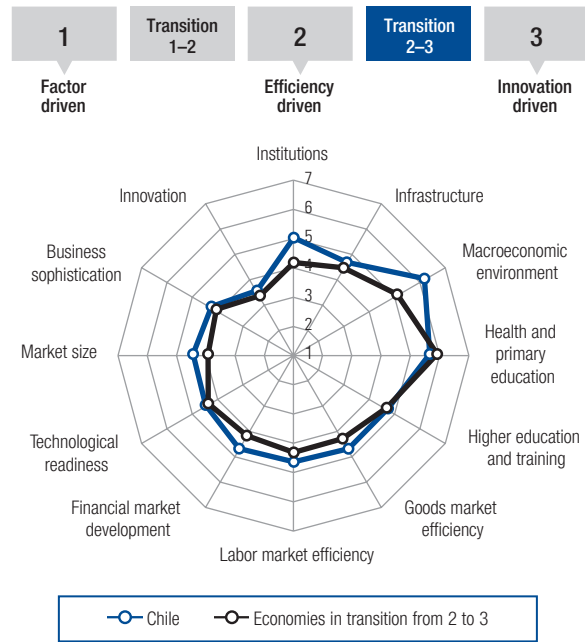
GDP (PPP) per capita (int'l \$), 1990–2011



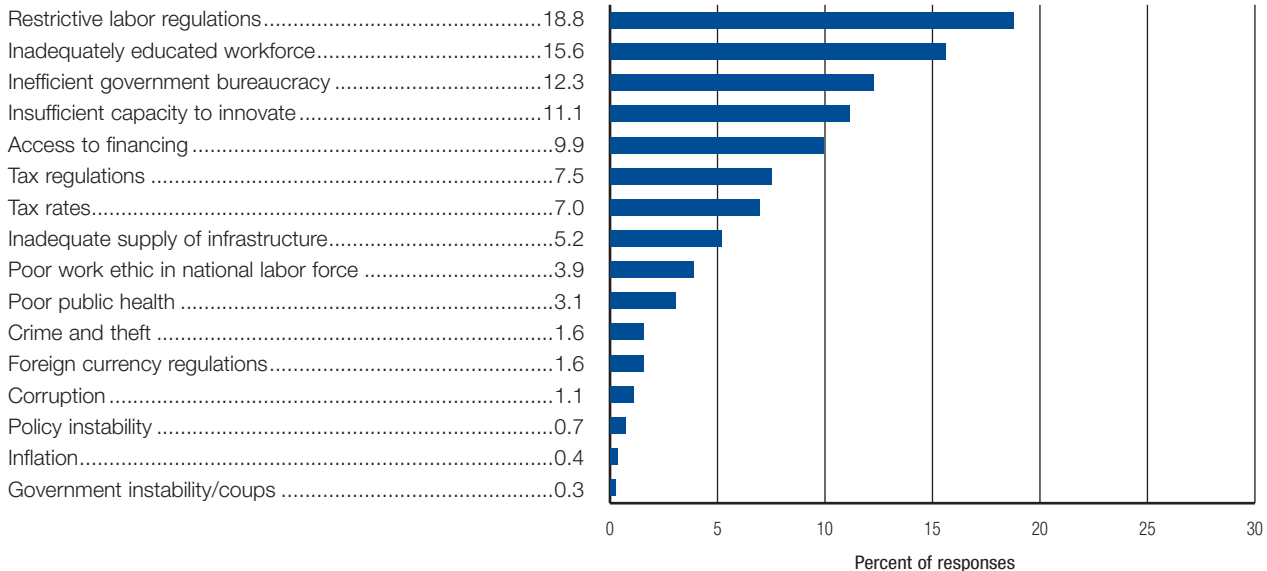
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 33 | 4.6 |
| GCI 2011–2012 (out of 142)..... | 31 | 4.7 |
| GCI 2010–2011 (out of 139)..... | 30 | 4.7 |
| Basic requirements (26.8%) | 28 | 5.3 |
| Institutions..... | 28 | 5.0 |
| Infrastructure..... | 45 | 4.6 |
| Macroeconomic environment..... | 14 | 6.2 |
| Health and primary education..... | 74 | 5.6 |
| Efficiency enhancers (50.0%) | 32 | 4.6 |
| Higher education and training..... | 46 | 4.7 |
| Goods market efficiency..... | 30 | 4.7 |
| Labor market efficiency..... | 34 | 4.7 |
| Financial market development..... | 28 | 4.7 |
| Technological readiness..... | 44 | 4.5 |
| Market size..... | 42 | 4.4 |
| Innovation and sophistication factors (23.2%) | 45 | 3.9 |
| Business sophistication..... | 48 | 4.2 |
| Innovation..... | 44 | 3.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|--------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 5.2.....37 | 6.01 | Intensity of local competition | 5.3.....39 |
| 1.02 | Intellectual property protection | 3.7.....61 | 6.02 | Extent of market dominance | 3.2.....112 |
| 1.03 | Diversion of public funds | 5.2.....22 | 6.03 | Effectiveness of anti-monopoly policy | 4.8.....25 |
| 1.04 | Public trust in politicians | 4.0.....29 | 6.04 | Extent and effect of taxation | 4.3.....23 |
| 1.05 | Irregular payments and bribes | 5.7.....23 | 6.05 | Total tax rate, % profits* | 25.0.....21 |
| 1.06 | Judicial independence | 5.3.....24 | 6.06 | No. procedures to start a business* | 7.....74 |
| 1.07 | Favoritism in decisions of government officials | 4.3.....21 | 6.07 | No. days to start a business* | 7.....25 |
| 1.08 | Wastefulness of government spending | 4.8.....10 | 6.08 | Agricultural policy costs | 4.7.....14 |
| 1.09 | Burden of government regulation | 3.9.....32 | 6.09 | Prevalence of trade barriers | 5.4.....10 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.8.....23 | 6.10 | Trade tariffs, % duty* | 4.7.....63 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.6.....21 | 6.11 | Prevalence of foreign ownership | 5.7.....14 |
| 1.12 | Transparency of government policymaking | 5.3.....15 | 6.12 | Business impact of rules on FDI | 5.5.....12 |
| 1.13 | Gov't services for improved business performance | 4.5.....20 | 6.13 | Burden of customs procedures | 5.0.....20 |
| 1.14 | Business costs of terrorism | 5.9.....50 | 6.14 | Imports as a percentage of GDP* | 35.4.....98 |
| 1.15 | Business costs of crime and violence | 5.0.....65 | 6.15 | Degree of customer orientation | 4.6.....68 |
| 1.16 | Organized crime | 5.6.....54 | 6.16 | Buyer sophistication | 4.2.....28 |
| 1.17 | Reliability of police services | 6.1.....14 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 5.3.....24 | 7.01 | Cooperation in labor-employer relations | 4.7.....39 |
| 1.19 | Strength of auditing and reporting standards | 5.0.....45 | 7.02 | Flexibility of wage determination | 5.4.....37 |
| 1.20 | Efficacy of corporate boards | 4.9.....37 | 7.03 | Hiring and firing practices | 3.6.....95 |
| 1.21 | Protection of minority shareholders' interests | 4.5.....48 | 7.04 | Redundancy costs, weeks of salary* | 16.....77 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3.....29 | 7.05 | Pay and productivity | 4.3.....42 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.9.....41 |
| 2.01 | Quality of overall infrastructure | 5.4.....31 | 7.07 | Brain drain | 5.0.....14 |
| 2.02 | Quality of roads | 5.6.....23 | 7.08 | Women in labor force, ratio to men* | 0.66.....104 |
| 2.03 | Quality of railroad infrastructure | 2.6.....64 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 5.2.....34 | 8.01 | Availability of financial services | 5.8.....17 |
| 2.05 | Quality of air transport infrastructure | 5.5.....39 | 8.02 | Affordability of financial services | 5.2.....21 |
| 2.06 | Available airline seat kms/week, millions* | 534.3.....37 | 8.03 | Financing through local equity market | 4.6.....16 |
| 2.07 | Quality of electricity supply | 5.4.....53 | 8.04 | Ease of access to loans | 3.7.....21 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 129.7.....30 | 8.05 | Venture capital availability | 3.2.....31 |
| 2.09 | Fixed telephone lines/100 pop.* | 19.5.....68 | 8.06 | Soundness of banks | 6.4.....11 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9.....89 |
| 3.01 | Government budget balance, % GDP* | 1.2.....21 | 8.08 | Legal rights index, 0-10 (best)* | 6.....65 |
| 3.02 | Gross national savings, % GDP* | 23.4.....56 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 3.3.....35 | 9.01 | Availability of latest technologies | 5.9.....32 |
| 3.04 | General government debt, % GDP* | 9.9.....10 | 9.02 | Firm-level technology absorption | 5.2.....44 |
| 3.05 | Country credit rating, 0-100 (best)* | 82.1.....18 | 9.03 | FDI and technology transfer | 5.1.....25 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 53.9.....50 |
| 4.01 | Business impact of malaria | n/appl.....1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 11.6.....48 |
| 4.02 | Malaria cases/100,000 pop.* | (NE).....1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 20.4.....58 |
| 4.03 | Business impact of tuberculosis | 5.9.....46 | 9.07 | Mobile broadband subscriptions/100 pop.* | 17.1.....54 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 19.0.....43 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 5.6.....52 | 10.01 | Domestic market size index, 1-7 (best)* | 4.3.....42 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4.....78 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9.....42 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 7.7.....46 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 78.9.....33 | 11.01 | Local supplier quantity | 4.8.....61 |
| 4.09 | Quality of primary education | 2.8.....119 | 11.02 | Local supplier quality | 4.9.....45 |
| 4.10 | Primary education enrollment, net %* | 93.6.....71 | 11.03 | State of cluster development | 4.5.....27 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8.....114 |
| 5.01 | Secondary education enrollment, gross %* | 87.9.....75 | 11.05 | Value chain breadth | 3.5.....73 |
| 5.02 | Tertiary education enrollment, gross %* | 59.2.....38 | 11.06 | Control of international distribution | 4.3.....43 |
| 5.03 | Quality of the educational system | 3.4.....91 | 11.07 | Production process sophistication | 4.5.....36 |
| 5.04 | Quality of math and science education | 3.0.....117 | 11.08 | Extent of marketing | 4.9.....33 |
| 5.05 | Quality of management schools | 5.4.....14 | 11.09 | Willingness to delegate authority | 3.7.....77 |
| 5.06 | Internet access in schools | 4.7.....48 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 4.7.....36 | 12.01 | Capacity for innovation | 3.0.....83 |
| 5.08 | Extent of staff training | 4.3.....38 | 12.02 | Quality of scientific research institutions | 4.2.....42 |
| | | | 12.03 | Company spending on R&D | 3.2.....61 |
| | | | 12.04 | University-industry collaboration in R&D | 4.2.....39 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.9.....37 |
| | | | 12.06 | Availability of scientists and engineers | 4.7.....29 |
| | | | 12.07 | PCT patents, applications/million pop.* | 3.8.....46 |

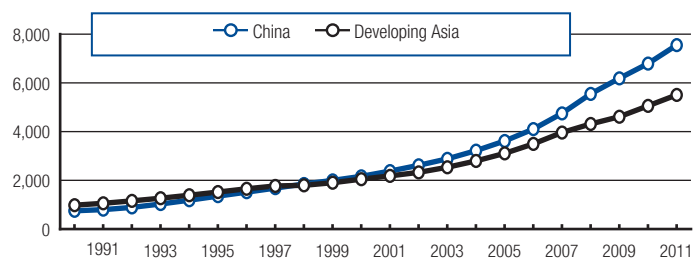
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

China

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 1,367.0 |
| GDP (US\$ billions)..... | 7,298.1 |
| GDP per capita (US\$)..... | 5,414 |
| GDP (PPP) as share (%) of world total..... | 14.32 |

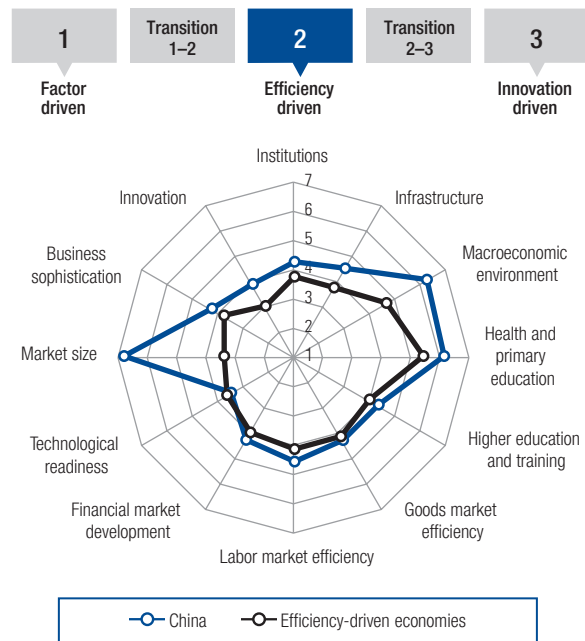
GDP (PPP) per capita (int'l \$), 1990–2011



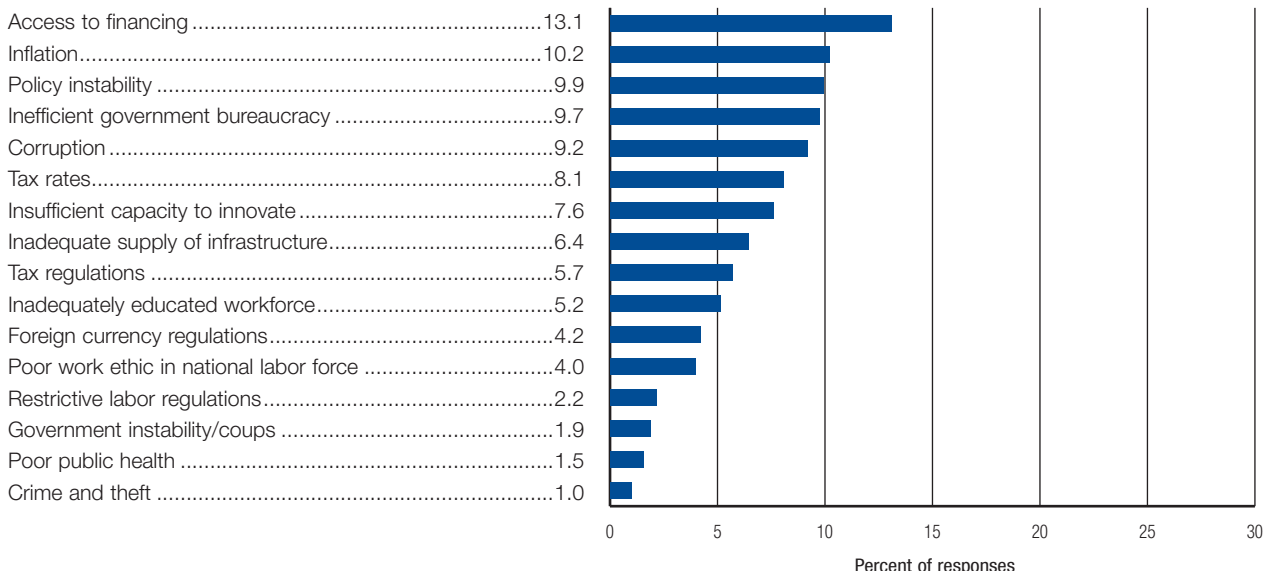
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 29 | 4.8 |
| GCI 2011–2012 (out of 142)..... | 26 | 4.9 |
| GCI 2010–2011 (out of 139)..... | 27 | 4.8 |
| Basic requirements (40.0%) | 31 | 5.3 |
| Institutions..... | 50 | 4.2 |
| Infrastructure..... | 48 | 4.5 |
| Macroeconomic environment..... | 11 | 6.2 |
| Health and primary education..... | 35 | 6.1 |
| Efficiency enhancers (50.0%) | 30 | 4.6 |
| Higher education and training..... | 62 | 4.3 |
| Goods market efficiency..... | 59 | 4.3 |
| Labor market efficiency..... | 41 | 4.6 |
| Financial market development..... | 54 | 4.3 |
| Technological readiness..... | 88 | 3.5 |
| Market size..... | 2 | 6.8 |
| Innovation and sophistication factors (10.0%) | 34 | 4.0 |
| Business sophistication..... | 45 | 4.3 |
| Innovation..... | 33 | 3.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.9 | 47 | 6.01 | Intensity of local competition | 5.3 | 37 |
| 1.02 | Intellectual property protection | 3.9 | 51 | 6.02 | Extent of market dominance | 4.6 | 23 |
| 1.03 | Diversion of public funds | 3.7 | 51 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 54 |
| 1.04 | Public trust in politicians | 4.1 | 26 | 6.04 | Extent and effect of taxation | 3.9 | 41 |
| 1.05 | Irregular payments and bribes | 4.0 | 67 | 6.05 | Total tax rate, % profits* | 63.5 | 125 |
| 1.06 | Judicial independence | 3.9 | 66 | 6.06 | No. procedures to start a business* | 14 | 134 |
| 1.07 | Favoritism in decisions of government officials | 3.8 | 34 | 6.07 | No. days to start a business* | 38 | 116 |
| 1.08 | Wastefulness of government spending | 3.7 | 39 | 6.08 | Agricultural policy costs | 4.7 | 13 |
| 1.09 | Burden of government regulation | 4.2 | 23 | 6.09 | Prevalence of trade barriers | 4.2 | 79 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.2 | 44 | 6.10 | Trade tariffs, % duty* | 11.5 | 122 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 53 | 6.11 | Prevalence of foreign ownership | 4.3 | 99 |
| 1.12 | Transparency of government policymaking | 4.5 | 51 | 6.12 | Business impact of rules on FDI | 5.0 | 41 |
| 1.13 | Gov't services for improved business performance | 4.3 | 32 | 6.13 | Burden of customs procedures | 4.2 | 65 |
| 1.14 | Business costs of terrorism | 5.1 | 102 | 6.14 | Imports as a percentage of GDP* | 27.1 | 126 |
| 1.15 | Business costs of crime and violence | 4.8 | 70 | 6.15 | Degree of customer orientation | 4.5 | 90 |
| 1.16 | Organized crime | 4.7 | 98 | 6.16 | Buyer sophistication | 4.6 | 11 |
| 1.17 | Reliability of police services | 4.5 | 59 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 58 | 7.01 | Cooperation in labor-employer relations | 4.4 | 57 |
| 1.19 | Strength of auditing and reporting standards | 4.5 | 72 | 7.02 | Flexibility of wage determination | 5.0 | 77 |
| 1.20 | Efficacy of corporate boards | 4.3 | 91 | 7.03 | Hiring and firing practices | 4.3 | 42 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 68 | 7.04 | Redundancy costs, weeks of salary* | 27 | 117 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.7 | 16 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.5 | 48 | |
| 2.01 | Quality of overall infrastructure | 4.3 | 69 | 7.07 | Brain drain | 4.1 | 39 |
| 2.02 | Quality of roads | 4.4 | 54 | 7.08 | Women in labor force, ratio to men* | 0.88 | 34 |
| 2.03 | Quality of railroad infrastructure | 4.6 | 22 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.4 | 59 | 8.01 | Availability of financial services | 4.6 | 68 |
| 2.05 | Quality of air transport infrastructure | 4.5 | 70 | 8.02 | Affordability of financial services | 4.6 | 46 |
| 2.06 | Available airline seat kms/week, millions* | 11,685.5 | 2 | 8.03 | Financing through local equity market | 3.9 | 46 |
| 2.07 | Quality of electricity supply | 5.2 | 59 | 8.04 | Ease of access to loans | 3.1 | 50 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 73.2 | 114 | 8.05 | Venture capital availability | 3.5 | 22 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.2 | 58 | 8.06 | Soundness of banks | 5.1 | 71 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.3 | 58 | |
| 3.01 | Government budget balance, % GDP* | -1.2 | 41 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 51.0 | 5 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.4 | 82 | 9.01 | Availability of latest technologies | 4.4 | 107 |
| 3.04 | General government debt, % GDP* | 25.8 | 35 | 9.02 | Firm-level technology absorption | 4.7 | 71 |
| 3.05 | Country credit rating, 0-100 (best)* | 79.6 | 22 | 9.03 | FDI and technology transfer | 4.6 | 77 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 38.3 | 73 | |
| 4.01 | Business impact of malaria | 5.6 | 89 | 9.05 | Broadband Internet subscriptions/100 pop.* | 11.6 | 49 |
| 4.02 | Malaria cases/100,000 pop.* | 2.0 | 80 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.7 | 119 |
| 4.03 | Business impact of tuberculosis | 5.1 | 84 | 9.07 | Mobile broadband subscriptions/100 pop.* | 9.5 | 69 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 78.0 | 84 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.3 | 70 | 10.01 | Domestic market size index, 1-7 (best)* | 6.8 | 2 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 7.0 | 1 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 15.8 | 71 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.3 | 75 | 11.01 | Local supplier quantity | 5.2 | 28 |
| 4.09 | Quality of primary education | 4.5 | 42 | 11.02 | Local supplier quality | 4.5 | 66 |
| 4.10 | Primary education enrollment, net %* | 99.8 | 4 | 11.03 | State of cluster development | 4.6 | 23 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 56 | |
| 5.01 | Secondary education enrollment, gross %* | 81.2 | 90 | 11.05 | Value chain breadth | 3.8 | 49 |
| 5.02 | Tertiary education enrollment, gross %* | 25.9 | 79 | 11.06 | Control of international distribution | 4.3 | 41 |
| 5.03 | Quality of the educational system | 3.9 | 57 | 11.07 | Production process sophistication | 3.9 | 57 |
| 5.04 | Quality of math and science education | 4.6 | 33 | 11.08 | Extent of marketing | 4.4 | 52 |
| 5.05 | Quality of management schools | 4.2 | 68 | 11.09 | Willingness to delegate authority | 3.8 | 54 |
| 5.06 | Internet access in schools | 5.4 | 31 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 55 | 12.01 | Capacity for innovation | 4.1 | 23 |
| 5.08 | Extent of staff training | 4.2 | 45 | 12.02 | Quality of scientific research institutions | 4.2 | 44 |
| | | | | 12.03 | Company spending on R&D | 4.1 | 24 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.4 | 35 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.4 | 16 |
| | | | | 12.06 | Availability of scientists and engineers | 4.4 | 46 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 6.5 | 38 |

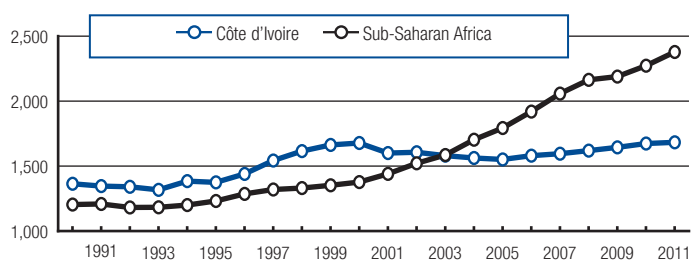
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Côte d'Ivoire

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 20.2 |
| GDP (US\$ billions)..... | 24.1 |
| GDP per capita (US\$)..... | 1,062 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

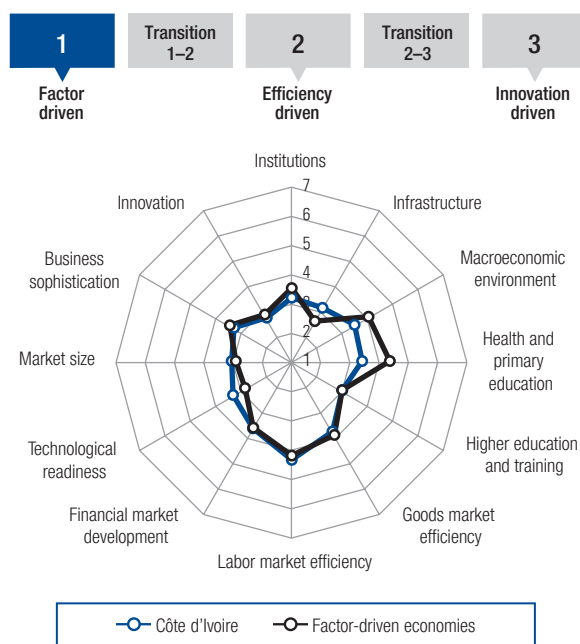
GDP (PPP) per capita (int'l \$), 1990–2011



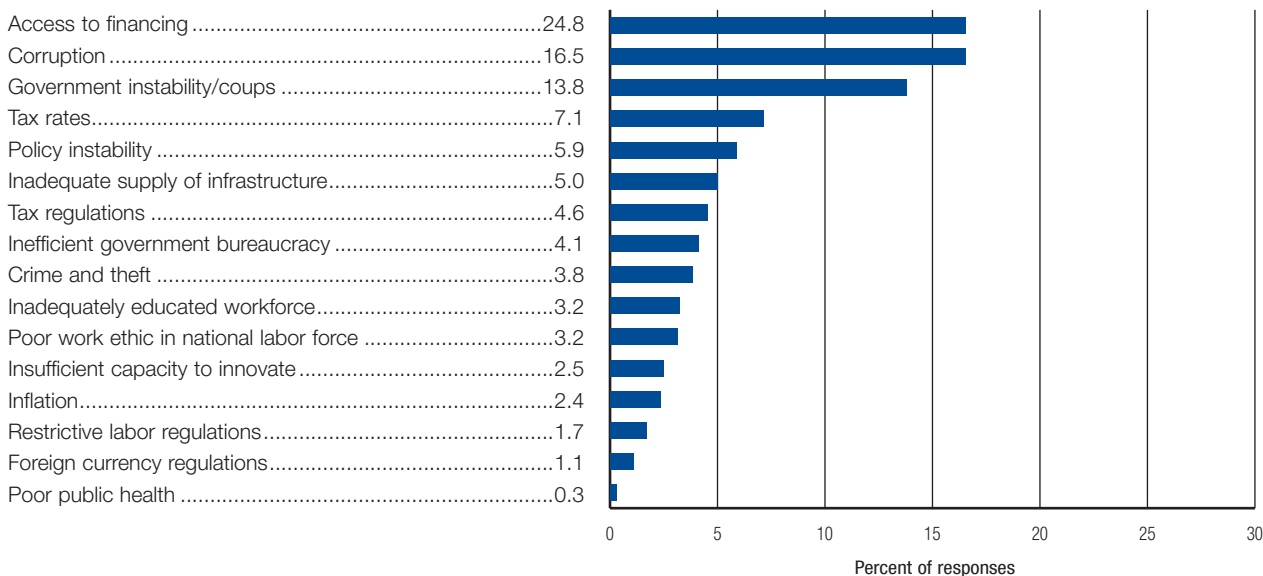
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 131 | 3.4 |
| GCI 2011–2012 (out of 142)..... | 129 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 129 | 3.3 |
| Basic requirements (60.0%) | 137 | 3.3 |
| Institutions..... | 129 | 3.2 |
| Infrastructure..... | 102 | 3.1 |
| Macroeconomic environment..... | 130 | 3.5 |
| Health and primary education..... | 140 | 3.4 |
| Efficiency enhancers (35.0%) | 115 | 3.5 |
| Higher education and training..... | 123 | 3.0 |
| Goods market efficiency..... | 122 | 3.8 |
| Labor market efficiency..... | 71 | 4.4 |
| Financial market development..... | 103 | 3.7 |
| Technological readiness..... | 99 | 3.3 |
| Market size..... | 94 | 3.1 |
| Innovation and sophistication factors (5.0%) | 121 | 3.0 |
| Business sophistication..... | 123 | 3.3 |
| Innovation..... | 115 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Côte d'Ivoire

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.2 | 126 | 6.01 | Intensity of local competition | 4.7 | 78 |
| 1.02 | Intellectual property protection | 2.6 | 122 | 6.02 | Extent of market dominance | 3.1 | 128 |
| 1.03 | Diversion of public funds | 2.4 | 125 | 6.03 | Effectiveness of anti-monopoly policy | 3.7 | 93 |
| 1.04 | Public trust in politicians | 2.2 | 105 | 6.04 | Extent and effect of taxation | 3.4 | 81 |
| 1.05 | Irregular payments and bribes | 3.2 | 113 | 6.05 | Total tax rate, % profits* | 44.3 | 94 |
| 1.06 | Judicial independence | 2.1 | 137 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 95 | 6.07 | No. days to start a business* | 32 | 105 |
| 1.08 | Wastefulness of government spending | 2.9 | 97 | 6.08 | Agricultural policy costs | 3.8 | 81 |
| 1.09 | Burden of government regulation | 3.5 | 55 | 6.09 | Prevalence of trade barriers | 3.5 | 131 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.9 | 119 | 6.10 | Trade tariffs, % duty* | 11.4 | 120 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.8 | 120 | 6.11 | Prevalence of foreign ownership | 5.5 | 22 |
| 1.12 | Transparency of government policymaking | 3.8 | 106 | 6.12 | Business impact of rules on FDI | 4.8 | 58 |
| 1.13 | Gov't services for improved business performance | 4.1 | 43 | 6.13 | Burden of customs procedures | 3.9 | 76 |
| 1.14 | Business costs of terrorism | 5.2 | 97 | 6.14 | Imports as a percentage of GDP* | 43.7 | 75 |
| 1.15 | Business costs of crime and violence | 2.8 | 137 | 6.15 | Degree of customer orientation | 4.3 | 100 |
| 1.16 | Organized crime | 3.5 | 132 | 6.16 | Buyer sophistication | 2.1 | 141 |
| 1.17 | Reliability of police services | 2.8 | 135 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 105 | 7.01 | Cooperation in labor-employer relations | 4.8 | 32 |
| 1.19 | Strength of auditing and reporting standards | 3.5 | 133 | 7.02 | Flexibility of wage determination | 5.3 | 51 |
| 1.20 | Efficacy of corporate boards | 5.0 | 31 | 7.03 | Hiring and firing practices | 4.6 | 28 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 98 | 7.04 | Redundancy costs, weeks of salary* | 13 | 58 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.3 | 125 | 7.05 | Pay and productivity | 3.4 | 108 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 80 | |
| 2.01 | Quality of overall infrastructure | 3.6 | 99 | 7.07 | Brain drain | 3.4 | 79 |
| 2.02 | Quality of roads | 3.0 | 107 | 7.08 | Women in labor force, ratio to men* | 0.64 | 107 |
| 2.03 | Quality of railroad infrastructure | 2.1 | 87 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.6 | 53 | 8.01 | Availability of financial services | 3.4 | 130 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 83 | 8.02 | Affordability of financial services | 3.2 | 132 |
| 2.06 | Available airline seat kms/week, millions* | 33.4 | 106 | 8.03 | Financing through local equity market | 3.9 | 47 |
| 2.07 | Quality of electricity supply | 3.8 | 96 | 8.04 | Ease of access to loans | 1.9 | 132 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 86.4 | 101 | 8.05 | Venture capital availability | 1.7 | 140 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.3 | 124 | 8.06 | Soundness of banks | 4.9 | 82 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 85 | |
| 3.01 | Government budget balance, % GDP* | -5.7 | 118 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 14.9 | 98 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.9 | 73 | 9.01 | Availability of latest technologies | 4.8 | 77 |
| 3.04 | General government debt, % GDP* | 90.5 | 131 | 9.02 | Firm-level technology absorption | 4.8 | 66 |
| 3.05 | Country credit rating, 0-100 (best)* | 18.2 | 132 | 9.03 | FDI and technology transfer | 4.7 | 64 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 2.2 | 136 | |
| 4.01 | Business impact of malaria | 3.6 | 126 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 122 |
| 4.02 | Malaria cases/100,000 pop.* | 38,557.2 | 143 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 18.0 | 64 |
| 4.03 | Business impact of tuberculosis | 4.4 | 113 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 139.0 | 104 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.3 | 117 | 10.01 | Domestic market size index, 1-7 (best)* | 2.8 | 94 |
| 4.06 | HIV prevalence, % adult pop.* | 3.4 | 128 | 10.02 | Foreign market size index, 1-7 (best)* | 3.8 | 89 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 85.9 | 137 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 54.7 | 128 | 11.01 | Local supplier quantity | 4.7 | 69 |
| 4.09 | Quality of primary education | 3.3 | 93 | 11.02 | Local supplier quality | 4.2 | 93 |
| 4.10 | Primary education enrollment, net %* | 61.5 | 139 | 11.03 | State of cluster development | 2.8 | 131 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.4 | 143 | |
| 5.01 | Secondary education enrollment, gross %* | 27.1 | 138 | 11.05 | Value chain breadth | 2.9 | 121 |
| 5.02 | Tertiary education enrollment, gross %* | 8.9 | 116 | 11.06 | Control of international distribution | 3.0 | 137 |
| 5.03 | Quality of the educational system | 3.3 | 95 | 11.07 | Production process sophistication | 2.6 | 130 |
| 5.04 | Quality of math and science education | 4.0 | 73 | 11.08 | Extent of marketing | 3.5 | 111 |
| 5.05 | Quality of management schools | 4.1 | 83 | 11.09 | Willingness to delegate authority | 2.9 | 130 |
| 5.06 | Internet access in schools | 1.8 | 138 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 71 | 12.01 | Capacity for innovation | 2.2 | 139 |
| 5.08 | Extent of staff training | 4.2 | 44 | 12.02 | Quality of scientific research institutions | 2.9 | 113 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 120 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.4 | 136 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 86 |
| | | | | 12.06 | Availability of scientists and engineers | 4.6 | 33 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

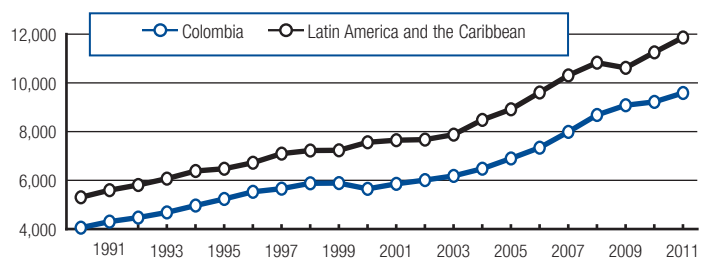
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Colombia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 47.5 |
| GDP (US\$ billions)..... | 328.4 |
| GDP per capita (US\$)..... | 7,132 |
| GDP (PPP) as share (%) of world total..... | 0.60 |

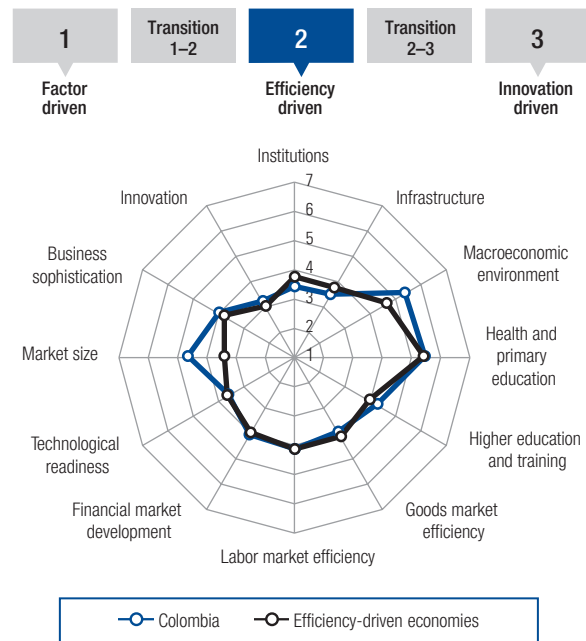
GDP (PPP) per capita (int'l \$), 1990–2011



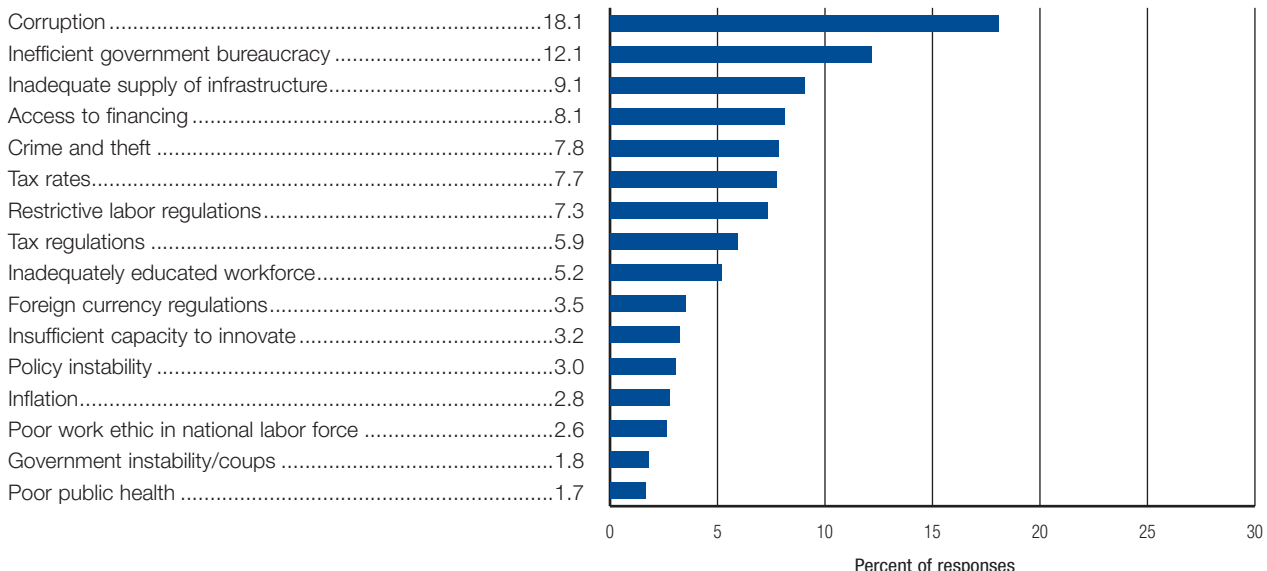
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 69 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 68 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 68 | 4.1 |
| Basic requirements (40.0%) | 77 | 4.4 |
| Institutions..... | 109 | 3.4 |
| Infrastructure..... | 93 | 3.4 |
| Macroeconomic environment..... | 34 | 5.3 |
| Health and primary education..... | 85 | 5.4 |
| Efficiency enhancers (50.0%) | 63 | 4.1 |
| Higher education and training..... | 67 | 4.3 |
| Goods market efficiency..... | 99 | 4.0 |
| Labor market efficiency..... | 88 | 4.2 |
| Financial market development..... | 67 | 4.1 |
| Technological readiness..... | 80 | 3.6 |
| Market size..... | 31 | 4.7 |
| Innovation and sophistication factors (10.0%) | 66 | 3.6 |
| Business sophistication..... | 63 | 4.0 |
| Innovation..... | 70 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Colombia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.8 | 96 | 6.01 | Intensity of local competition | 4.7 | 79 |
| 1.02 | Intellectual property protection | 3.2 | 89 | 6.02 | Extent of market dominance | 3.4 | 96 |
| 1.03 | Diversion of public funds | 2.3 | 130 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 78 |
| 1.04 | Public trust in politicians | 2.3 | 100 | 6.04 | Extent and effect of taxation | 3.0 | 116 |
| 1.05 | Irregular payments and bribes | 3.5 | 96 | 6.05 | Total tax rate, % profits* | 74.8 | 136 |
| 1.06 | Judicial independence | 3.2 | 96 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 105 | 6.07 | No. days to start a business* | 14 | 66 |
| 1.08 | Wastefulness of government spending | 2.8 | 104 | 6.08 | Agricultural policy costs | 3.5 | 108 |
| 1.09 | Burden of government regulation | 3.0 | 110 | 6.09 | Prevalence of trade barriers | 3.7 | 123 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 97 | 6.10 | Trade tariffs, % duty* | 8.3 | 95 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 89 | 6.11 | Prevalence of foreign ownership | 4.4 | 88 |
| 1.12 | Transparency of government policymaking | 4.1 | 83 | 6.12 | Business impact of rules on FDI | 4.5 | 82 |
| 1.13 | Gov't services for improved business performance | 3.7 | 69 | 6.13 | Burden of customs procedures | 3.8 | 87 |
| 1.14 | Business costs of terrorism | 2.9 | 144 | 6.14 | Imports as a percentage of GDP* | 19.5 | 140 |
| 1.15 | Business costs of crime and violence | 2.8 | 136 | 6.15 | Degree of customer orientation | 5.0 | 39 |
| 1.16 | Organized crime | 2.8 | 140 | 6.16 | Buyer sophistication | 3.7 | 52 |
| 1.17 | Reliability of police services | 4.2 | 74 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 112 | 7.01 | Cooperation in labor-employer relations | 4.3 | 65 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 84 | 7.02 | Flexibility of wage determination | 4.9 | 80 |
| 1.20 | Efficacy of corporate boards | 4.5 | 66 | 7.03 | Hiring and firing practices | 3.7 | 88 |
| 1.21 | Protection of minority shareholders' interests | 4.0 | 82 | 7.04 | Redundancy costs, weeks of salary* | 17 | 78 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.3 | 5 | 7.05 | Pay and productivity | 3.6 | 102 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 82 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 108 | 7.07 | Brain drain | 3.2 | 89 |
| 2.02 | Quality of roads | 2.6 | 126 | 7.08 | Women in labor force, ratio to men* | 0.72 | 95 |
| 2.03 | Quality of railroad infrastructure | 1.6 | 109 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.2 | 125 | 8.01 | Availability of financial services | 4.7 | 66 |
| 2.05 | Quality of air transport infrastructure | 3.8 | 106 | 8.02 | Affordability of financial services | 3.9 | 87 |
| 2.06 | Available airline seat kms/week, millions* | 487.1 | 39 | 8.03 | Financing through local equity market | 3.8 | 52 |
| 2.07 | Quality of electricity supply | 5.1 | 62 | 8.04 | Ease of access to loans | 3.1 | 54 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 98.5 | 88 | 8.05 | Venture capital availability | 2.8 | 53 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.2 | 82 | 8.06 | Soundness of banks | 5.7 | 42 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 79 | |
| 3.01 | Government budget balance, % GDP* | -2.1 | 53 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 21.8 | 62 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 42 | 9.01 | Availability of latest technologies | 4.6 | 91 |
| 3.04 | General government debt, % GDP* | 34.7 | 56 | 9.02 | Firm-level technology absorption | 4.4 | 93 |
| 3.05 | Country credit rating, 0-100 (best)* | 64.6 | 42 | 9.03 | FDI and technology transfer | 4.6 | 79 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 40.4 | 70 | |
| 4.01 | Business impact of malaria | 5.1 | 101 | 9.05 | Broadband Internet subscriptions/100 pop.* | 6.9 | 70 |
| 4.02 | Malaria cases/100,000 pop.* | 386.8 | 107 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 16.8 | 69 |
| 4.03 | Business impact of tuberculosis | 4.9 | 95 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.7 | 88 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 34.0 | 60 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 104 | 10.01 | Domestic market size index, 1-7 (best)* | 4.6 | 27 |
| 4.06 | HIV prevalence, % adult pop.* | 0.5 | 87 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 54 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 18.1 | 79 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.4 | 72 | 11.01 | Local supplier quantity | 4.9 | 58 |
| 4.09 | Quality of primary education | 3.3 | 98 | 11.02 | Local supplier quality | 4.8 | 53 |
| 4.10 | Primary education enrollment, net %* | 88.1 | 103 | 11.03 | State of cluster development | 3.9 | 60 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 80 | |
| 5.01 | Secondary education enrollment, gross %* | 96.4 | 46 | 11.05 | Value chain breadth | 3.6 | 68 |
| 5.02 | Tertiary education enrollment, gross %* | 39.1 | 63 | 11.06 | Control of international distribution | 4.1 | 63 |
| 5.03 | Quality of the educational system | 3.6 | 77 | 11.07 | Production process sophistication | 3.6 | 74 |
| 5.04 | Quality of math and science education | 3.4 | 107 | 11.08 | Extent of marketing | 3.8 | 87 |
| 5.05 | Quality of management schools | 4.1 | 74 | 11.09 | Willingness to delegate authority | 3.8 | 55 |
| 5.06 | Internet access in schools | 4.0 | 76 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 75 | 12.01 | Capacity for innovation | 3.2 | 66 |
| 5.08 | Extent of staff training | 3.6 | 99 | 12.02 | Quality of scientific research institutions | 3.4 | 85 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 69 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.0 | 47 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 52 |
| | | | | 12.06 | Availability of scientists and engineers | 3.7 | 94 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.1 | 64 |

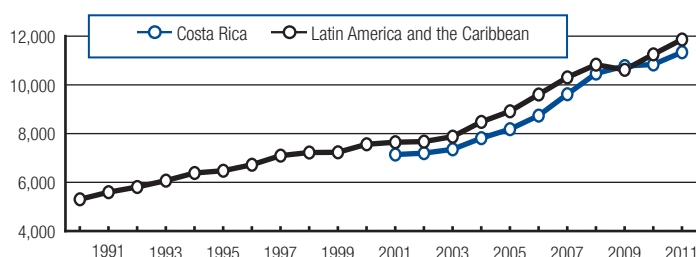
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Costa Rica

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 4.8 |
| GDP (US\$ billions)..... | 40.9 |
| GDP per capita (US\$)..... | 8,877 |
| GDP (PPP) as share (%) of world total..... | 0.07 |

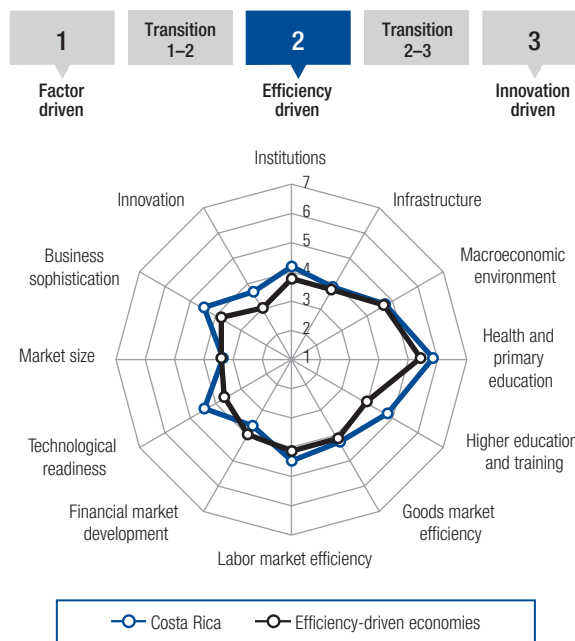
GDP (PPP) per capita (int'l \$), 1990–2011



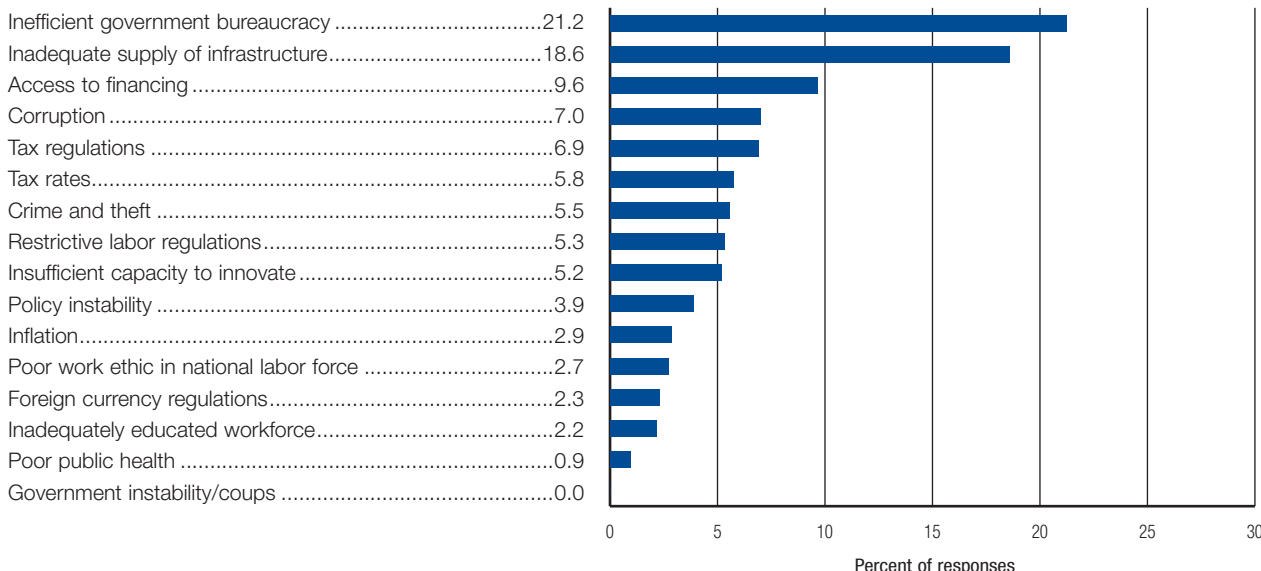
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 57 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 61 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 56 | 4.3 |
| Basic requirements (40.0%) | 67 | 4.6 |
| Institutions..... | 53 | 4.1 |
| Infrastructure..... | 74 | 3.8 |
| Macroeconomic environment..... | 65 | 4.7 |
| Health and primary education..... | 57 | 5.8 |
| Efficiency enhancers (50.0%) | 60 | 4.2 |
| Higher education and training..... | 41 | 4.8 |
| Goods market efficiency..... | 62 | 4.3 |
| Labor market efficiency..... | 52 | 4.5 |
| Financial market development..... | 101 | 3.7 |
| Technological readiness..... | 46 | 4.4 |
| Market size..... | 81 | 3.4 |
| Innovation and sophistication factors (10.0%) | 35 | 4.0 |
| Business sophistication..... | 34 | 4.5 |
| Innovation..... | 38 | 3.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Costa Rica

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.5 | 59 | 6.01 | Intensity of local competition | 5.0 | 60 |
| 1.02 | Intellectual property protection | 3.6 | 68 | 6.02 | Extent of market dominance | 4.3 | 32 |
| 1.03 | Diversion of public funds | 3.8 | 49 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 57 |
| 1.04 | Public trust in politicians | 2.9 | 64 | 6.04 | Extent and effect of taxation | 3.5 | 70 |
| 1.05 | Irregular payments and bribes | 4.3 | 56 | 6.05 | Total tax rate, % profits* | 55.0 | 119 |
| 1.06 | Judicial independence | 4.7 | 40 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 3.3 | 52 | 6.07 | No. days to start a business* | 60 | 130 |
| 1.08 | Wastefulness of government spending | 2.7 | 105 | 6.08 | Agricultural policy costs | 3.9 | 66 |
| 1.09 | Burden of government regulation | 3.2 | 88 | 6.09 | Prevalence of trade barriers | 4.1 | 89 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 73 | 6.10 | Trade tariffs, % duty* | 3.6 | 48 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 47 | 6.11 | Prevalence of foreign ownership | 5.5 | 20 |
| 1.12 | Transparency of government policymaking | 4.5 | 52 | 6.12 | Business impact of rules on FDI | 5.2 | 24 |
| 1.13 | Gov't services for improved business performance | 3.6 | 73 | 6.13 | Burden of customs procedures | 4.1 | 71 |
| 1.14 | Business costs of terrorism | 5.5 | 77 | 6.14 | Imports as a percentage of GDP* | 44.3 | 73 |
| 1.15 | Business costs of crime and violence | 3.9 | 108 | 6.15 | Degree of customer orientation | 5.1 | 37 |
| 1.16 | Organized crime | 4.9 | 92 | 6.16 | Buyer sophistication | 3.9 | 40 |
| 1.17 | Reliability of police services | 4.8 | 46 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.6 | 39 | 7.01 | Cooperation in labor-employer relations | 5.3 | 13 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 62 | 7.02 | Flexibility of wage determination | 4.8 | 86 |
| 1.20 | Efficacy of corporate boards | 4.7 | 55 | 7.03 | Hiring and firing practices | 4.2 | 46 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 50 | 7.04 | Redundancy costs, weeks of salary* | 19 | 85 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 4.0 | 64 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.6 | 44 | |
| 2.01 | Quality of overall infrastructure | 3.7 | 95 | 7.07 | Brain drain | 4.7 | 21 |
| 2.02 | Quality of roads | 2.5 | 131 | 7.08 | Women in labor force, ratio to men* | 0.60 | 117 |
| 2.03 | Quality of railroad infrastructure | 1.7 | 106 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.4 | 140 | 8.01 | Availability of financial services | 4.5 | 77 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 60 | 8.02 | Affordability of financial services | 4.4 | 57 |
| 2.06 | Available airline seat kms/week, millions* | 130.3 | 74 | 8.03 | Financing through local equity market | 2.5 | 122 |
| 2.07 | Quality of electricity supply | 5.5 | 42 | 8.04 | Ease of access to loans | 2.3 | 111 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 92.2 | 94 | 8.05 | Venture capital availability | 2.2 | 101 |
| 2.09 | Fixed telephone lines/100 pop.* | 31.5 | 38 | 8.06 | Soundness of banks | 5.9 | 24 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.8 | 98 | |
| 3.01 | Government budget balance, % GDP* | -4.3 | 101 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 16.1 | 94 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.9 | 72 | 9.01 | Availability of latest technologies | 5.2 | 57 |
| 3.04 | General government debt, % GDP* | 30.8 | 44 | 9.02 | Firm-level technology absorption | 5.1 | 50 |
| 3.05 | Country credit rating, 0-100 (best)* | 57.6 | 54 | 9.03 | FDI and technology transfer | 5.8 | 5 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 42.1 | 68 | |
| 4.01 | Business impact of malaria | 6.3 | 76 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.7 | 61 |
| 4.02 | Malaria cases/100,000 pop.* | 13.7 | 86 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 36.2 | 39 |
| 4.03 | Business impact of tuberculosis | 6.2 | 32 | 9.07 | Mobile broadband subscriptions/100 pop.* | 2.0 | 100 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 13.0 | 31 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 59 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 79 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 3.9 | 82 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 8.7 | 49 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.2 | 28 | 11.01 | Local supplier quantity | 4.8 | 64 |
| 4.09 | Quality of primary education | 4.9 | 26 | 11.02 | Local supplier quality | 5.0 | 38 |
| 4.10 | Primary education enrollment, net %* | n/a | n/a | 11.03 | State of cluster development | 3.9 | 53 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.3 | 29 | |
| 5.01 | Secondary education enrollment, gross %* | 99.7 | 34 | 11.05 | Value chain breadth | 4.5 | 27 |
| 5.02 | Tertiary education enrollment, gross %* | 25.6 | 81 | 11.06 | Control of international distribution | 4.1 | 65 |
| 5.03 | Quality of the educational system | 4.9 | 21 | 11.07 | Production process sophistication | 4.7 | 33 |
| 5.04 | Quality of math and science education | 4.5 | 41 | 11.08 | Extent of marketing | 4.4 | 45 |
| 5.05 | Quality of management schools | 5.2 | 19 | 11.09 | Willingness to delegate authority | 4.4 | 29 |
| 5.06 | Internet access in schools | 4.5 | 58 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.9 | 26 | 12.01 | Capacity for innovation | 3.5 | 43 |
| 5.08 | Extent of staff training | 4.6 | 29 | 12.02 | Quality of scientific research institutions | 4.6 | 33 |
| | | | | 12.03 | Company spending on R&D | 3.5 | 41 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.4 | 36 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 75 |
| | | | | 12.06 | Availability of scientists and engineers | 4.7 | 27 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.7 | 57 |

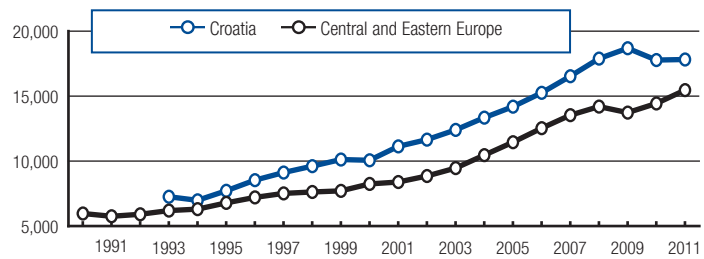
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Croatia

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 4.6 |
| GDP (US\$ billions)..... | 63.8 |
| GDP per capita (US\$)..... | 14,457 |
| GDP (PPP) as share (%) of world total..... | 0.10 |

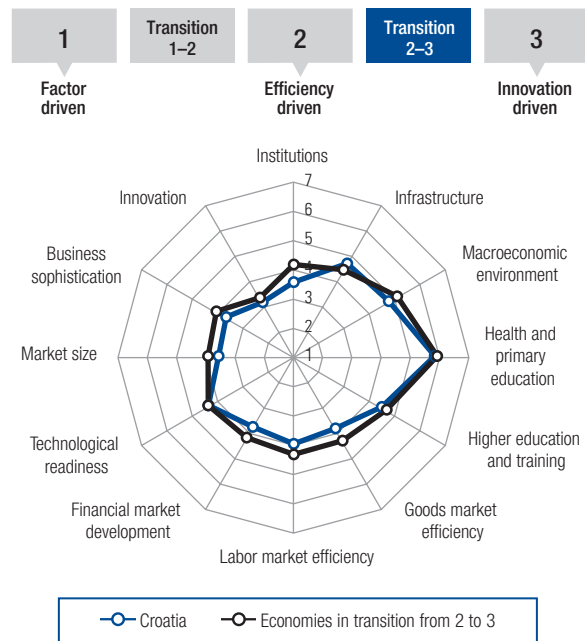
GDP (PPP) per capita (int'l \$), 1990–2011



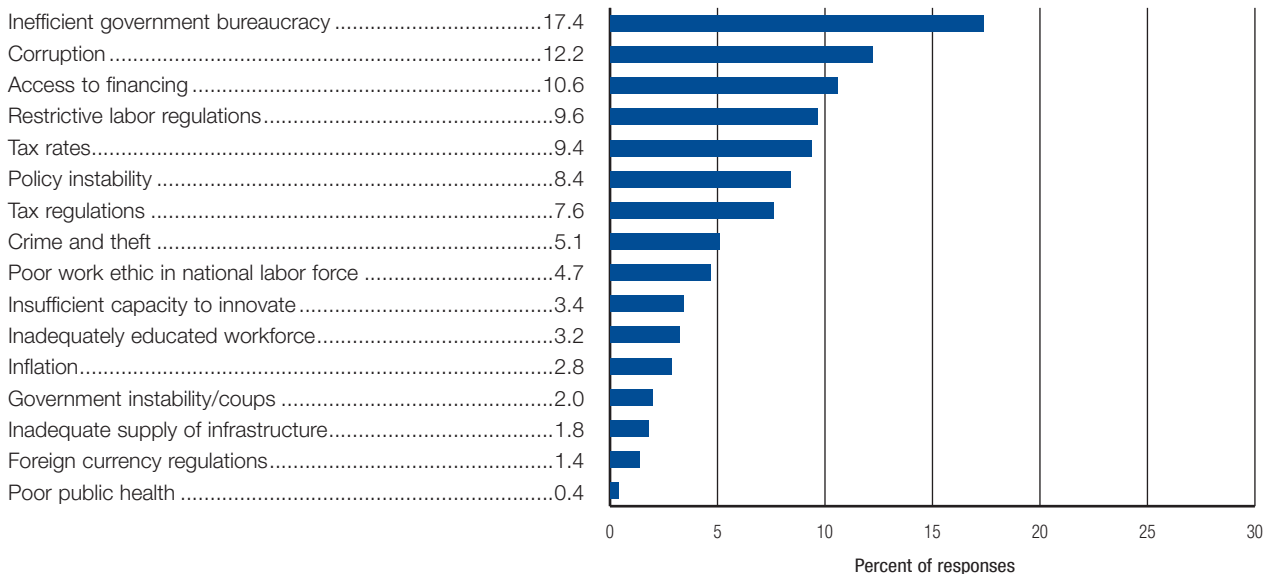
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 81 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 76 | 4.1 |
| GCI 2010–2011 (out of 139)..... | 77 | 4.0 |
| Basic requirements (26.4%) | 60 | 4.7 |
| Institutions..... | 98 | 3.5 |
| Infrastructure..... | 44 | 4.7 |
| Macroeconomic environment..... | 60 | 4.7 |
| Health and primary education..... | 60 | 5.8 |
| Efficiency enhancers (50.0%) | 72 | 4.0 |
| Higher education and training..... | 56 | 4.5 |
| Goods market efficiency..... | 114 | 3.9 |
| Labor market efficiency..... | 106 | 4.0 |
| Financial market development..... | 92 | 3.8 |
| Technological readiness..... | 50 | 4.4 |
| Market size..... | 71 | 3.6 |
| Innovation and sophistication factors (23.6%) | 83 | 3.4 |
| Business sophistication..... | 96 | 3.7 |
| Innovation..... | 74 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.8 | 100 | 6.01 | Intensity of local competition | 4.0 | 120 |
| 1.02 | Intellectual property protection | 3.5 | 76 | 6.02 | Extent of market dominance | 3.2 | 117 |
| 1.03 | Diversion of public funds | 2.8 | 99 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 90 |
| 1.04 | Public trust in politicians | 2.1 | 115 | 6.04 | Extent and effect of taxation | 2.3 | 137 |
| 1.05 | Irregular payments and bribes | 3.6 | 91 | 6.05 | Total tax rate, % profits* | 32.3 | 45 |
| 1.06 | Judicial independence | 2.8 | 106 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 97 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 2.3 | 123 | 6.08 | Agricultural policy costs | 2.5 | 143 |
| 1.09 | Burden of government regulation | 2.3 | 139 | 6.09 | Prevalence of trade barriers | 4.2 | 82 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.5 | 137 | 6.10 | Trade tariffs, % duty* | 3.0 | 45 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.7 | 129 | 6.11 | Prevalence of foreign ownership | 4.0 | 111 |
| 1.12 | Transparency of government policymaking | 4.0 | 94 | 6.12 | Business impact of rules on FDI | 3.0 | 139 |
| 1.13 | Gov't services for improved business performance | 2.9 | 118 | 6.13 | Burden of customs procedures | 3.9 | 81 |
| 1.14 | Business costs of terrorism | 6.2 | 30 | 6.14 | Imports as a percentage of GDP* | 37.3 | 92 |
| 1.15 | Business costs of crime and violence | 5.2 | 54 | 6.15 | Degree of customer orientation | 4.2 | 107 |
| 1.16 | Organized crime | 5.2 | 72 | 6.16 | Buyer sophistication | 2.9 | 116 |
| 1.17 | Reliability of police services | 4.7 | 51 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 94 | 7.01 | Cooperation in labor-employer relations | 3.4 | 133 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 100 | 7.02 | Flexibility of wage determination | 5.1 | 65 |
| 1.20 | Efficacy of corporate boards | 3.9 | 127 | 7.03 | Hiring and firing practices | 3.1 | 124 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 120 | 7.04 | Redundancy costs, weeks of salary* | 15 | 71 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.6 | 101 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 111 | |
| 2.01 | Quality of overall infrastructure | 5.2 | 38 | 7.07 | Brain drain | 2.4 | 126 |
| 2.02 | Quality of roads | 5.3 | 29 | 7.08 | Women in labor force, ratio to men* | 0.84 | 58 |
| 2.03 | Quality of railroad infrastructure | 3.2 | 49 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 77 | 8.01 | Availability of financial services | 4.1 | 91 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 79 | 8.02 | Affordability of financial services | 3.6 | 104 |
| 2.06 | Available airline seat kms/week, millions* | 75.4 | 85 | 8.03 | Financing through local equity market | 2.9 | 105 |
| 2.07 | Quality of electricity supply | 5.4 | 49 | 8.04 | Ease of access to loans | 2.5 | 94 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 116.4 | 52 | 8.05 | Venture capital availability | 2.1 | 112 |
| 2.09 | Fixed telephone lines/100 pop.* | 40.1 | 29 | 8.06 | Soundness of banks | 5.1 | 73 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 82 | |
| 3.01 | Government budget balance, % GDP* | -5.5 | 115 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 23.4 | 55 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.3 | 1 | 9.01 | Availability of latest technologies | 5.2 | 54 |
| 3.04 | General government debt, % GDP* | 45.6 | 87 | 9.02 | Firm-level technology absorption | 4.7 | 77 |
| 3.05 | Country credit rating, 0-100 (best)* | 52.5 | 64 | 9.03 | FDI and technology transfer | 4.1 | 105 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 70.7 | 33 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 19.5 | 36 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 19.9 | 59 |
| 4.03 | Business impact of tuberculosis | 6.7 | 7 | 9.07 | Mobile broadband subscriptions/100 pop.* | 6.6 | 76 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 21.0 | 46 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.6 | 6 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4 | 72 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.1 | 72 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.7 | 30 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.5 | 42 | 11.01 | Local supplier quantity | 4.3 | 101 |
| 4.09 | Quality of primary education | 4.4 | 48 | 11.02 | Local supplier quality | 4.3 | 77 |
| 4.10 | Primary education enrollment, net %* | 86.8 | 110 | 11.03 | State of cluster development | 3.3 | 94 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.9 | 43 | |
| 5.01 | Secondary education enrollment, gross %* | 95.7 | 48 | 11.05 | Value chain breadth | 3.1 | 110 |
| 5.02 | Tertiary education enrollment, gross %* | 54.1 | 47 | 11.06 | Control of international distribution | 3.8 | 96 |
| 5.03 | Quality of the educational system | 3.2 | 99 | 11.07 | Production process sophistication | 3.2 | 104 |
| 5.04 | Quality of math and science education | 4.8 | 26 | 11.08 | Extent of marketing | 3.8 | 83 |
| 5.05 | Quality of management schools | 3.9 | 87 | 11.09 | Willingness to delegate authority | 3.2 | 109 |
| 5.06 | Internet access in schools | 4.7 | 49 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 74 | 12.01 | Capacity for innovation | 3.1 | 72 |
| 5.08 | Extent of staff training | 3.2 | 124 | 12.02 | Quality of scientific research institutions | 4.1 | 48 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 76 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 80 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.7 | 129 |
| | | | | 12.06 | Availability of scientists and engineers | 3.8 | 86 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 10.0 | 33 |

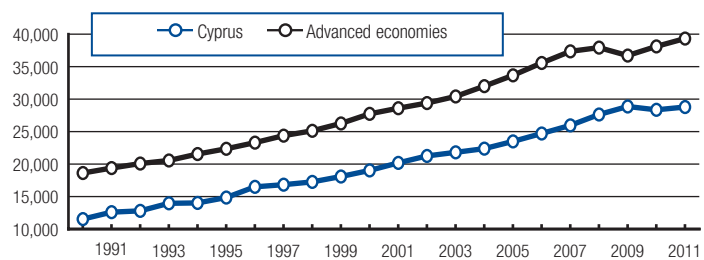
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Cyprus

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.1 |
| GDP (US\$ billions)..... | 24.9 |
| GDP per capita (US\$)..... | 30,571 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

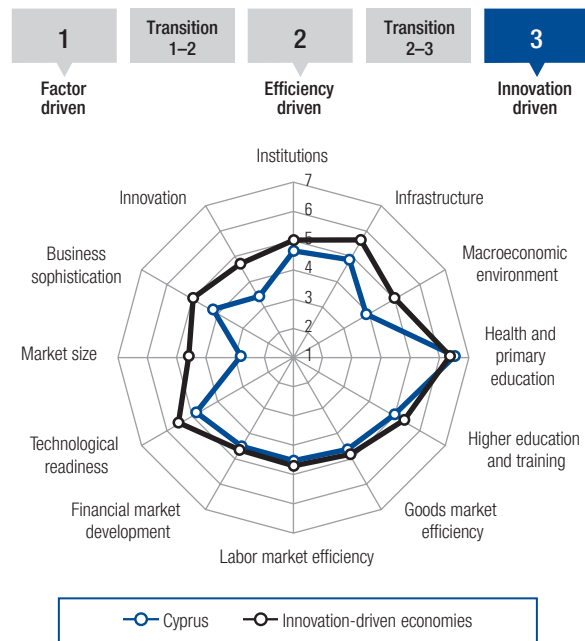
GDP (PPP) per capita (int'l \$), 1990–2011



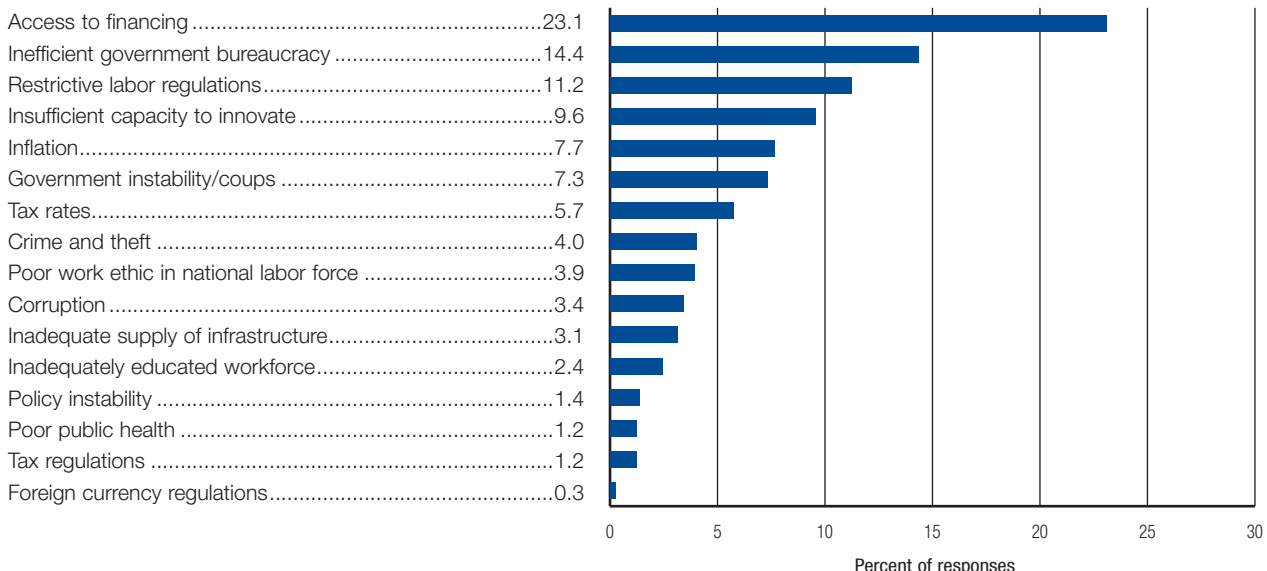
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 58 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 47 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 40 | 4.5 |
| Basic requirements (20.0%) | 42 | 4.9 |
| Institutions..... | 40 | 4.6 |
| Infrastructure..... | 39 | 4.8 |
| Macroeconomic environment..... | 117 | 3.9 |
| Health and primary education..... | 9 | 6.5 |
| Efficiency enhancers (50.0%) | 43 | 4.4 |
| Higher education and training..... | 32 | 5.0 |
| Goods market efficiency..... | 33 | 4.7 |
| Labor market efficiency..... | 44 | 4.6 |
| Financial market development..... | 38 | 4.6 |
| Technological readiness..... | 37 | 4.8 |
| Market size..... | 106 | 2.8 |
| Innovation and sophistication factors (30.0%) | 51 | 3.8 |
| Business sophistication..... | 52 | 4.2 |
| Innovation..... | 53 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.2 | 32 | 6.01 | Intensity of local competition | 5.1 | 43 |
| 1.02 | Intellectual property protection | 4.2 | 44 | 6.02 | Extent of market dominance | 4.2 | 38 |
| 1.03 | Diversion of public funds | 4.4 | 39 | 6.03 | Effectiveness of anti-monopoly policy | 4.4 | 42 |
| 1.04 | Public trust in politicians | 3.5 | 41 | 6.04 | Extent and effect of taxation | 4.6 | 16 |
| 1.05 | Irregular payments and bribes | 4.8 | 41 | 6.05 | Total tax rate, % profits* | 23.1 | 19 |
| 1.06 | Judicial independence | 4.8 | 39 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.3 | 53 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.5 | 51 | 6.08 | Agricultural policy costs | 3.8 | 75 |
| 1.09 | Burden of government regulation | 4.1 | 27 | 6.09 | Prevalence of trade barriers | 4.9 | 29 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.6 | 32 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.7 | 18 | 6.11 | Prevalence of foreign ownership | 4.7 | 68 |
| 1.12 | Transparency of government policymaking | 4.9 | 31 | 6.12 | Business impact of rules on FDI | 5.0 | 40 |
| 1.13 | Gov't services for improved business performance | 3.4 | 82 | 6.13 | Burden of customs procedures | 4.7 | 37 |
| 1.14 | Business costs of terrorism | 6.0 | 43 | 6.14 | Imports as a percentage of GDP* | 48.6 | 63 |
| 1.15 | Business costs of crime and violence | 5.6 | 28 | 6.15 | Degree of customer orientation | 4.5 | 78 |
| 1.16 | Organized crime | 5.7 | 50 | 6.16 | Buyer sophistication | 3.8 | 42 |
| 1.17 | Reliability of police services | 5.1 | 36 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.4 | 45 | 7.01 | Cooperation in labor-employer relations | 4.6 | 45 |
| 1.19 | Strength of auditing and reporting standards | 5.4 | 29 | 7.02 | Flexibility of wage determination | 4.1 | 120 |
| 1.20 | Efficacy of corporate boards | 3.7 | 139 | 7.03 | Hiring and firing practices | 3.8 | 83 |
| 1.21 | Protection of minority shareholders' interests | 5.1 | 21 | 7.04 | Redundancy costs, weeks of salary* | 6 | 15 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.8 | 74 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 121 | |
| 2.01 | Quality of overall infrastructure | 5.3 | 33 | 7.07 | Brain drain | 3.6 | 57 |
| 2.02 | Quality of roads | 5.6 | 22 | 7.08 | Women in labor force, ratio to men* | 0.85 | 54 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.0 | 41 | 8.01 | Availability of financial services | 5.2 | 35 |
| 2.05 | Quality of air transport infrastructure | 5.4 | 43 | 8.02 | Affordability of financial services | 4.5 | 50 |
| 2.06 | Available airline seat kms/week, millions* | 190.2 | 65 | 8.03 | Financing through local equity market | 3.2 | 86 |
| 2.07 | Quality of electricity supply | 5.4 | 51 | 8.04 | Ease of access to loans | 3.4 | 33 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 97.7 | 91 | 8.05 | Venture capital availability | 2.9 | 45 |
| 2.09 | Fixed telephone lines/100 pop.* | 36.3 | 33 | 8.06 | Soundness of banks | 4.9 | 83 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5 | 48 | |
| 3.01 | Government budget balance, % GDP* | -6.5 | 127 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 8.1 | 131 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.5 | 47 | 9.01 | Availability of latest technologies | 5.5 | 42 |
| 3.04 | General government debt, % GDP* | 71.8 | 117 | 9.02 | Firm-level technology absorption | 5.2 | 43 |
| 3.05 | Country credit rating, 0-100 (best)* | 58.0 | 52 | 9.03 | FDI and technology transfer | 4.7 | 71 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 57.7 | 44 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 18.1 | 37 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 53.6 | 30 |
| 4.03 | Business impact of tuberculosis | 6.0 | 39 | 9.07 | Mobile broadband subscriptions/100 pop.* | 24.1 | 41 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.4 | 5 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 40 | 10.01 | Domestic market size index, 1-7 (best)* | 2.6 | 104 |
| 4.06 | HIV prevalence, % adult pop.* | <0.1 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 3.4 | 106 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.2 | 13 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.4 | 27 | 11.01 | Local supplier quantity | 4.4 | 94 |
| 4.09 | Quality of primary education | 5.4 | 15 | 11.02 | Local supplier quality | 4.5 | 65 |
| 4.10 | Primary education enrollment, net %* | 98.7 | 19 | 11.03 | State of cluster development | 4.1 | 45 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.8 | 23 | |
| 5.01 | Secondary education enrollment, gross %* | 98.8 | 38 | 11.05 | Value chain breadth | 4.1 | 36 |
| 5.02 | Tertiary education enrollment, gross %* | 54.6 | 44 | 11.06 | Control of international distribution | 4.5 | 31 |
| 5.03 | Quality of the educational system | 4.8 | 22 | 11.07 | Production process sophistication | 3.8 | 63 |
| 5.04 | Quality of math and science education | 5.3 | 13 | 11.08 | Extent of marketing | 4.1 | 71 |
| 5.05 | Quality of management schools | 5.0 | 30 | 11.09 | Willingness to delegate authority | 3.8 | 57 |
| 5.06 | Internet access in schools | 5.2 | 36 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 54 | 12.01 | Capacity for innovation | 2.9 | 89 |
| 5.08 | Extent of staff training | 3.8 | 85 | 12.02 | Quality of scientific research institutions | 4.0 | 51 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 81 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 62 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 55 |
| | | | | 12.06 | Availability of scientists and engineers | 4.3 | 52 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 9.4 | 36 |

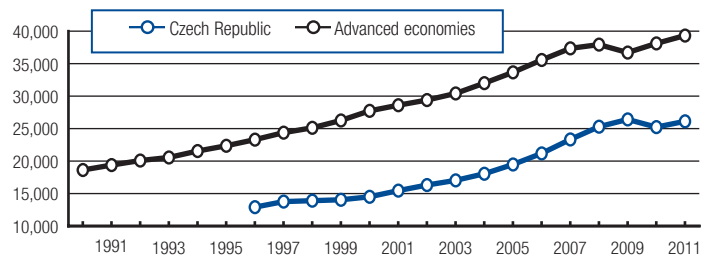
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Czech Republic

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 10.9 |
| GDP (US\$ billions)..... | 215.3 |
| GDP per capita (US\$)..... | 20,444 |
| GDP (PPP) as share (%) of world total..... | 0.36 |

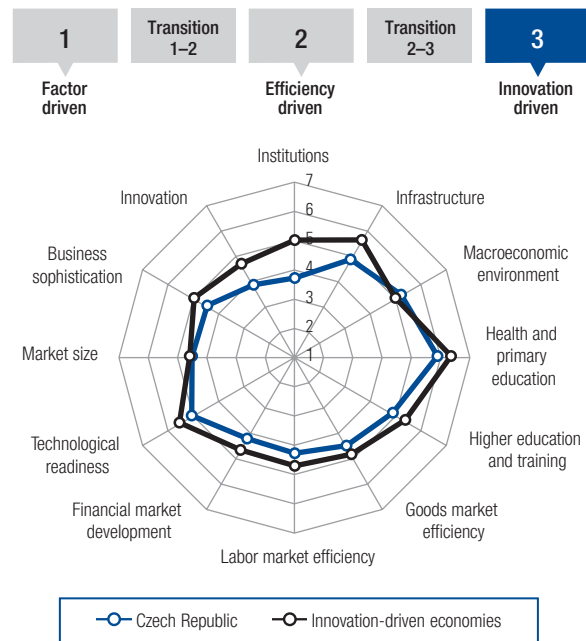
GDP (PPP) per capita (int'l \$), 1990–2011



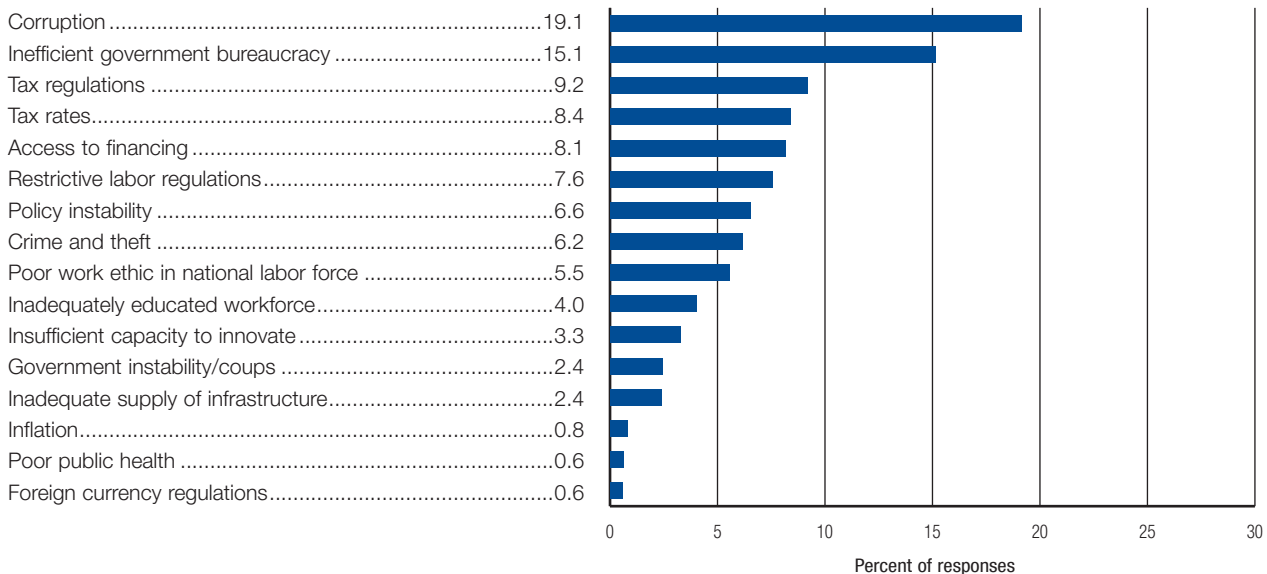
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 39 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 38 | 4.5 |
| GCI 2010–2011 (out of 139)..... | 36 | 4.6 |
| Basic requirements (20.0%) | 44 | 4.9 |
| Institutions..... | 82 | 3.7 |
| Infrastructure..... | 38 | 4.8 |
| Macroeconomic environment..... | 42 | 5.2 |
| Health and primary education..... | 53 | 5.9 |
| Efficiency enhancers (50.0%) | 34 | 4.6 |
| Higher education and training..... | 38 | 4.9 |
| Goods market efficiency..... | 41 | 4.5 |
| Labor market efficiency..... | 75 | 4.3 |
| Financial market development..... | 57 | 4.3 |
| Technological readiness..... | 31 | 5.1 |
| Market size..... | 40 | 4.5 |
| Innovation and sophistication factors (30.0%) | 32 | 4.1 |
| Business sophistication..... | 35 | 4.5 |
| Innovation..... | 34 | 3.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Czech Republic

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 76 | 6.01 | Intensity of local competition | 5.7 | 13 |
| 1.02 | Intellectual property protection | 3.8 | 56 | 6.02 | Extent of market dominance | 4.3 | 36 |
| 1.03 | Diversion of public funds | 2.3 | 127 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 48 |
| 1.04 | Public trust in politicians | 1.6 | 139 | 6.04 | Extent and effect of taxation | 3.1 | 105 |
| 1.05 | Irregular payments and bribes | 3.8 | 74 | 6.05 | Total tax rate, % profits* | 49.1 | 108 |
| 1.06 | Judicial independence | 3.7 | 75 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.4 | 123 | 6.07 | No. days to start a business* | 20 | 86 |
| 1.08 | Wastefulness of government spending | 2.4 | 119 | 6.08 | Agricultural policy costs | 3.8 | 79 |
| 1.09 | Burden of government regulation | 2.7 | 125 | 6.09 | Prevalence of trade barriers | 4.8 | 31 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.0 | 115 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9 | 118 | 6.11 | Prevalence of foreign ownership | 5.6 | 17 |
| 1.12 | Transparency of government policymaking | 4.0 | 98 | 6.12 | Business impact of rules on FDI | 5.1 | 34 |
| 1.13 | Gov't services for improved business performance | 3.2 | 100 | 6.13 | Burden of customs procedures | 4.4 | 49 |
| 1.14 | Business costs of terrorism | 6.5 | 5 | 6.14 | Imports as a percentage of GDP* | 78.8 | 27 |
| 1.15 | Business costs of crime and violence | 5.4 | 43 | 6.15 | Degree of customer orientation | 4.7 | 57 |
| 1.16 | Organized crime | 5.4 | 62 | 6.16 | Buyer sophistication | 3.5 | 68 |
| 1.17 | Reliability of police services | 3.8 | 92 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.4 | 115 | 7.01 | Cooperation in labor-employer relations | 4.3 | 69 |
| 1.19 | Strength of auditing and reporting standards | 4.9 | 51 | 7.02 | Flexibility of wage determination | 5.2 | 56 |
| 1.20 | Efficacy of corporate boards | 4.5 | 64 | 7.03 | Hiring and firing practices | 3.4 | 110 |
| 1.21 | Protection of minority shareholders' interests | 4.1 | 79 | 7.04 | Redundancy costs, weeks of salary* | 22 | 96 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.5 | 28 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.5 | 49 | |
| 2.01 | Quality of overall infrastructure | 5.5 | 28 | 7.07 | Brain drain | 3.3 | 84 |
| 2.02 | Quality of roads | 3.7 | 77 | 7.08 | Women in labor force, ratio to men* | 0.78 | 75 |
| 2.03 | Quality of railroad infrastructure | 4.6 | 23 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.6 | 54 | 8.01 | Availability of financial services | 5.0 | 45 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 21 | 8.02 | Affordability of financial services | 3.6 | 105 |
| 2.06 | Available airline seat kms/week, millions* | 192.7 | 64 | 8.03 | Financing through local equity market | 3.3 | 78 |
| 2.07 | Quality of electricity supply | 6.5 | 16 | 8.04 | Ease of access to loans | 2.9 | 66 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 121.6 | 45 | 8.05 | Venture capital availability | 2.4 | 84 |
| 2.09 | Fixed telephone lines/100 pop.* | 20.9 | 60 | 8.06 | Soundness of banks | 5.9 | 25 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.6 | 45 | |
| 3.01 | Government budget balance, % GDP* | -3.8 | 84 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 21.5 | 64 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.9 | 1 | 9.01 | Availability of latest technologies | 5.5 | 43 |
| 3.04 | General government debt, % GDP* | 41.5 | 76 | 9.02 | Firm-level technology absorption | 5.1 | 49 |
| 3.05 | Country credit rating, 0-100 (best)* | 74.7 | 28 | 9.03 | FDI and technology transfer | 5.3 | 18 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 73.0 | 28 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 15.7 | 38 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 91.1 | 16 |
| 4.03 | Business impact of tuberculosis | 5.8 | 48 | 9.07 | Mobile broadband subscriptions/100 pop.* | 43.1 | 20 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.8 | 19 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.4 | 67 | 10.01 | Domestic market size index, 1-7 (best)* | 4.2 | 45 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.4 | 27 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.1 | 11 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 77.4 | 37 | 11.01 | Local supplier quantity | 5.3 | 19 |
| 4.09 | Quality of primary education | 4.2 | 55 | 11.02 | Local supplier quality | 5.4 | 17 |
| 4.10 | Primary education enrollment, net %* | 89.6 | 99 | 11.03 | State of cluster development | 4.0 | 50 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.1 | 36 | |
| 5.01 | Secondary education enrollment, gross %* | 90.4 | 63 | 11.05 | Value chain breadth | 4.5 | 25 |
| 5.02 | Tertiary education enrollment, gross %* | 60.7 | 32 | 11.06 | Control of international distribution | 3.6 | 112 |
| 5.03 | Quality of the educational system | 3.9 | 59 | 11.07 | Production process sophistication | 4.7 | 32 |
| 5.04 | Quality of math and science education | 3.8 | 78 | 11.08 | Extent of marketing | 4.7 | 37 |
| 5.05 | Quality of management schools | 3.8 | 95 | 11.09 | Willingness to delegate authority | 3.7 | 75 |
| 5.06 | Internet access in schools | 5.8 | 21 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.1 | 23 | 12.01 | Capacity for innovation | 4.1 | 22 |
| 5.08 | Extent of staff training | 4.2 | 48 | 12.02 | Quality of scientific research institutions | 4.9 | 26 |
| | | | | 12.03 | Company spending on R&D | 3.9 | 28 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.5 | 28 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.9 | 122 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 43 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 18.4 | 28 |

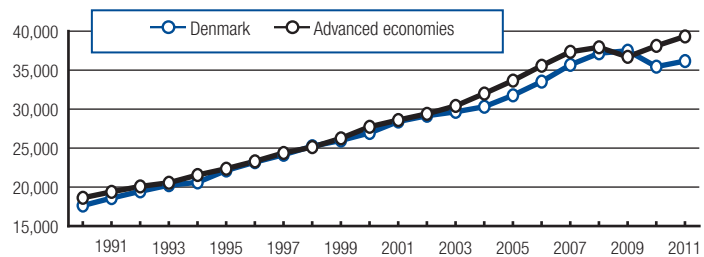
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Denmark

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 5.8 |
| GDP (US\$ billions)..... | 333.2 |
| GDP per capita (US\$)..... | 59,928 |
| GDP (PPP) as share (%) of world total..... | 0.26 |

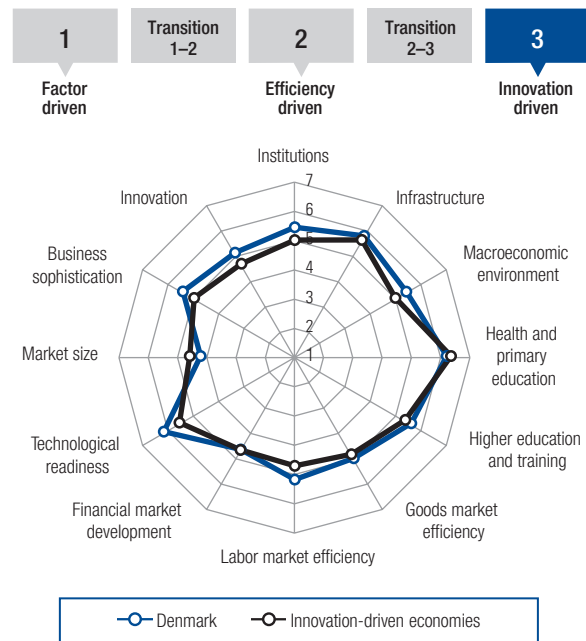
GDP (PPP) per capita (int'l \$), 1990–2011



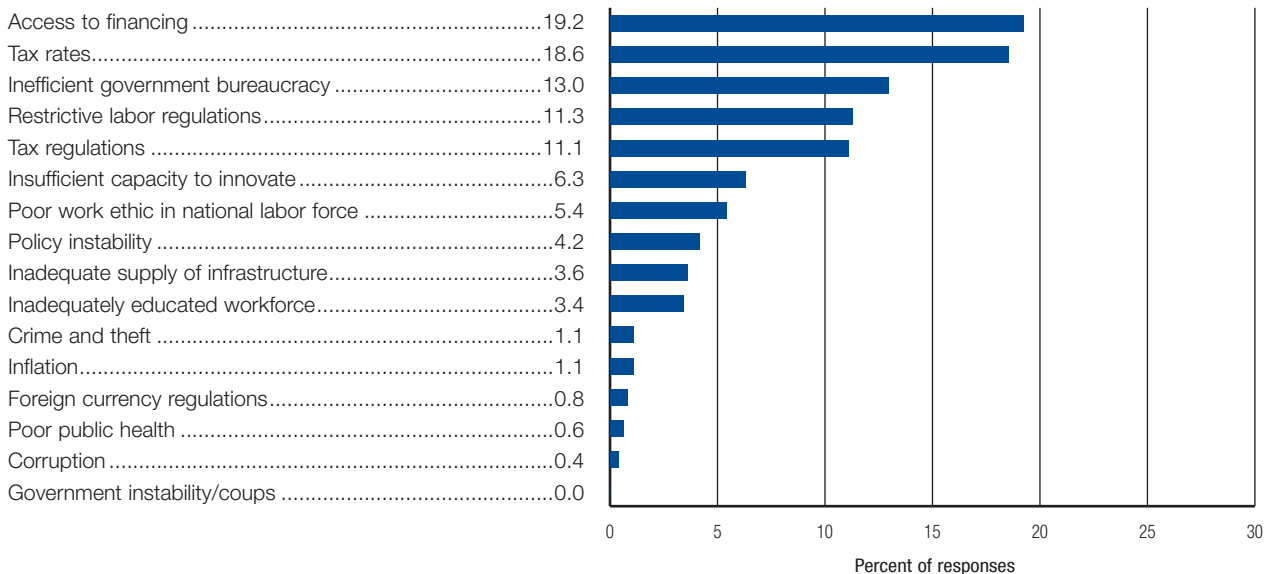
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 12 | 5.3 |
| GCI 2011–2012 (out of 142)..... | 8 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 9 | 5.3 |
| Basic requirements (20.0%) | 16 | 5.7 |
| Institutions..... | 14 | 5.4 |
| Infrastructure..... | 16 | 5.7 |
| Macroeconomic environment..... | 32 | 5.4 |
| Health and primary education..... | 29 | 6.2 |
| Efficiency enhancers (50.0%) | 15 | 5.2 |
| Higher education and training..... | 14 | 5.6 |
| Goods market efficiency..... | 19 | 5.0 |
| Labor market efficiency..... | 8 | 5.2 |
| Financial market development..... | 30 | 4.7 |
| Technological readiness..... | 3 | 6.2 |
| Market size..... | 53 | 4.2 |
| Innovation and sophistication factors (30.0%) | 12 | 5.2 |
| Business sophistication..... | 9 | 5.4 |
| Innovation..... | 12 | 5.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Denmark

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.5 | 23 | 6.01 | Intensity of local competition | 5.4 | 29 |
| 1.02 | Intellectual property protection | 5.3 | 21 | 6.02 | Extent of market dominance | 5.5 | 4 |
| 1.03 | Diversion of public funds | 6.3 | 2 | 6.03 | Effectiveness of anti-monopoly policy | 5.2 | 10 |
| 1.04 | Public trust in politicians | 4.7 | 15 | 6.04 | Extent and effect of taxation | 2.6 | 133 |
| 1.05 | Irregular payments and bribes | 6.4 | 4 | 6.05 | Total tax rate, % profits* | 27.5 | 26 |
| 1.06 | Judicial independence | 6.0 | 13 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 4.6 | 13 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 3.8 | 35 | 6.08 | Agricultural policy costs | 3.9 | 73 |
| 1.09 | Burden of government regulation | 3.4 | 69 | 6.09 | Prevalence of trade barriers | 5.0 | 20 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.1 | 13 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.6 | 20 | 6.11 | Prevalence of foreign ownership | 5.2 | 40 |
| 1.12 | Transparency of government policymaking | 4.7 | 45 | 6.12 | Business impact of rules on FDI | 4.7 | 65 |
| 1.13 | Gov't services for improved business performance | 3.4 | 87 | 6.13 | Burden of customs procedures | 5.0 | 24 |
| 1.14 | Business costs of terrorism | 5.5 | 78 | 6.14 | Imports as a percentage of GDP* | 46.2 | 68 |
| 1.15 | Business costs of crime and violence | 5.2 | 55 | 6.15 | Degree of customer orientation | 5.6 | 8 |
| 1.16 | Organized crime | 6.1 | 28 | 6.16 | Buyer sophistication | 4.1 | 31 |
| 1.17 | Reliability of police services | 6.2 | 7 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.4 | 4 | 7.01 | Cooperation in labor-employer relations | 6.0 | 3 |
| 1.19 | Strength of auditing and reporting standards | 5.3 | 33 | 7.02 | Flexibility of wage determination | 4.6 | 102 |
| 1.20 | Efficacy of corporate boards | 5.3 | 12 | 7.03 | Hiring and firing practices | 5.3 | 5 |
| 1.21 | Protection of minority shareholders' interests | 5.0 | 25 | 7.04 | Redundancy costs, weeks of salary* | 0 | 1 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 4.1 | 53 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.0 | 8 | |
| 2.01 | Quality of overall infrastructure | 6.0 | 13 | 7.07 | Brain drain | 4.3 | 34 |
| 2.02 | Quality of roads | 5.7 | 19 | 7.08 | Women in labor force, ratio to men* | 0.92 | 22 |
| 2.03 | Quality of railroad infrastructure | 4.8 | 19 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.8 | 13 | 8.01 | Availability of financial services | 5.3 | 30 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 19 | 8.02 | Affordability of financial services | 4.6 | 44 |
| 2.06 | Available airline seat kms/week, millions* | 441.5 | 43 | 8.03 | Financing through local equity market | 3.8 | 55 |
| 2.07 | Quality of electricity supply | 6.8 | 5 | 8.04 | Ease of access to loans | 3.1 | 55 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 126.5 | 36 | 8.05 | Venture capital availability | 2.6 | 69 |
| 2.09 | Fixed telephone lines/100 pop.* | 45.1 | 20 | 8.06 | Soundness of banks | 4.8 | 91 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.4 | 18 | |
| 3.01 | Government budget balance, % GDP* | -3.9 | 85 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 23.8 | 53 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.8 | 1 | 9.01 | Availability of latest technologies | 6.2 | 20 |
| 3.04 | General government debt, % GDP* | 46.4 | 89 | 9.02 | Firm-level technology absorption | 5.8 | 18 |
| 3.05 | Country credit rating, 0-100 (best)* | 89.1 | 12 | 9.03 | FDI and technology transfer | 4.9 | 52 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 90.0 | 6 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 38.2 | 4 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 159.5 | 8 |
| 4.03 | Business impact of tuberculosis | 6.8 | 3 | 9.07 | Mobile broadband subscriptions/100 pop.* | 80.2 | 6 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.0 | 14 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.6 | 3 | 10.01 | Domestic market size index, 1-7 (best)* | 4.0 | 53 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 45 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.3 | 16 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.1 | 30 | 11.01 | Local supplier quantity | 5.1 | 29 |
| 4.09 | Quality of primary education | 4.6 | 36 | 11.02 | Local supplier quality | 5.6 | 11 |
| 4.10 | Primary education enrollment, net %* | 95.5 | 50 | 11.03 | State of cluster development | 4.5 | 26 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.1 | 3 | |
| 5.01 | Secondary education enrollment, gross %* | 117.4 | 7 | 11.05 | Value chain breadth | 5.0 | 16 |
| 5.02 | Tertiary education enrollment, gross %* | 74.4 | 13 | 11.06 | Control of international distribution | 5.0 | 16 |
| 5.03 | Quality of the educational system | 5.0 | 19 | 11.07 | Production process sophistication | 5.6 | 16 |
| 5.04 | Quality of math and science education | 4.5 | 38 | 11.08 | Extent of marketing | 5.4 | 18 |
| 5.05 | Quality of management schools | 5.1 | 25 | 11.09 | Willingness to delegate authority | 6.2 | 1 |
| 5.06 | Internet access in schools | 5.9 | 19 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.3 | 19 | 12.01 | Capacity for innovation | 4.9 | 13 |
| 5.08 | Extent of staff training | 5.1 | 10 | 12.02 | Quality of scientific research institutions | 5.3 | 18 |
| | | | | 12.03 | Company spending on R&D | 4.9 | 9 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.9 | 21 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 63 |
| | | | | 12.06 | Availability of scientists and engineers | 4.7 | 28 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 210.5 | 6 |

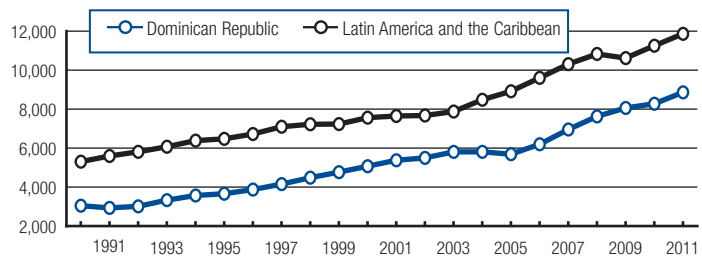
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Dominican Republic

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 10.2 |
| GDP (US\$ billions)..... | 56.7 |
| GDP per capita (US\$)..... | 5,639 |
| GDP (PPP) as share (%) of world total..... | 0.12 |

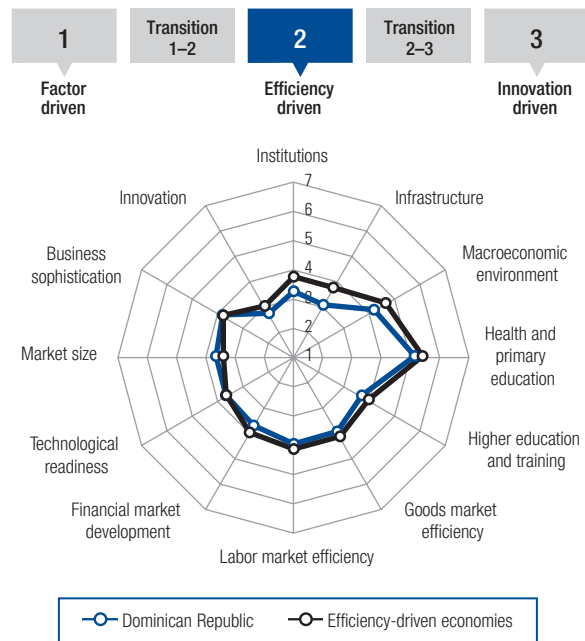
GDP (PPP) per capita (int'l \$), 1990–2011



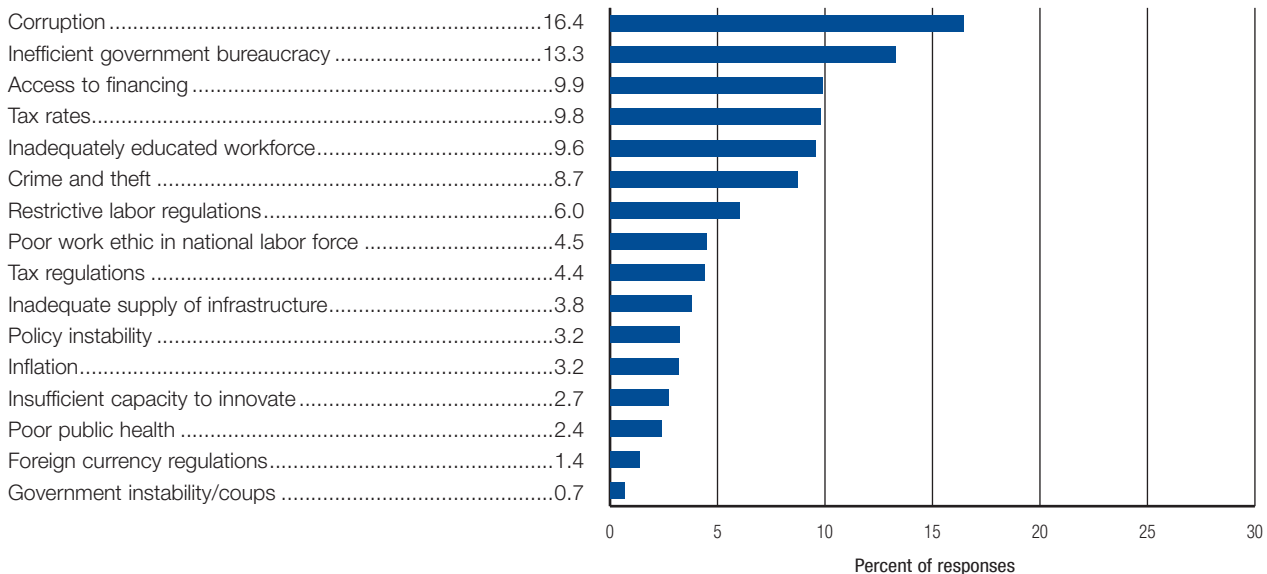
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 105 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 110 | 3.7 |
| GCI 2010–2011 (out of 139)..... | 101 | 3.7 |
| Basic requirements (40.0%) | 111 | 3.9 |
| Institutions..... | 126 | 3.2 |
| Infrastructure..... | 105 | 3.0 |
| Macroeconomic environment..... | 105 | 4.2 |
| Health and primary education..... | 106 | 5.1 |
| Efficiency enhancers (50.0%) | 93 | 3.8 |
| Higher education and training..... | 97 | 3.7 |
| Goods market efficiency..... | 101 | 4.0 |
| Labor market efficiency..... | 107 | 4.0 |
| Financial market development..... | 96 | 3.7 |
| Technological readiness..... | 78 | 3.7 |
| Market size..... | 65 | 3.7 |
| Innovation and sophistication factors (10.0%) | 105 | 3.2 |
| Business sophistication..... | 80 | 3.8 |
| Innovation..... | 118 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Dominican Republic

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.9 | 89 | 6.01 | Intensity of local competition | 5.0 | 56 |
| 1.02 | Intellectual property protection | 2.7 | 119 | 6.02 | Extent of market dominance | 2.7 | 139 |
| 1.03 | Diversion of public funds | 1.8 | 142 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 123 |
| 1.04 | Public trust in politicians | 1.6 | 138 | 6.04 | Extent and effect of taxation | 2.7 | 131 |
| 1.05 | Irregular payments and bribes | 3.3 | 106 | 6.05 | Total tax rate, % profits* | 41.7 | 83 |
| 1.06 | Judicial independence | 2.6 | 120 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 1.8 | 144 | 6.07 | No. days to start a business* | 19 | 80 |
| 1.08 | Wastefulness of government spending | 1.8 | 144 | 6.08 | Agricultural policy costs | 3.6 | 93 |
| 1.09 | Burden of government regulation | 3.2 | 83 | 6.09 | Prevalence of trade barriers | 3.7 | 119 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 95 | 6.10 | Trade tariffs, % duty* | 7.3 | 88 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9 | 119 | 6.11 | Prevalence of foreign ownership | 5.0 | 54 |
| 1.12 | Transparency of government policymaking | 4.3 | 69 | 6.12 | Business impact of rules on FDI | 4.8 | 59 |
| 1.13 | Gov't services for improved business performance | 3.2 | 99 | 6.13 | Burden of customs procedures | 4.3 | 61 |
| 1.14 | Business costs of terrorism | 5.5 | 73 | 6.14 | Imports as a percentage of GDP* | 34.8 | 100 |
| 1.15 | Business costs of crime and violence | 3.4 | 127 | 6.15 | Degree of customer orientation | 4.4 | 95 |
| 1.16 | Organized crime | 4.3 | 110 | 6.16 | Buyer sophistication | 3.1 | 98 |
| 1.17 | Reliability of police services | 2.0 | 143 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 111 | 7.01 | Cooperation in labor-employer relations | 4.7 | 43 |
| 1.19 | Strength of auditing and reporting standards | 4.5 | 73 | 7.02 | Flexibility of wage determination | 5.3 | 53 |
| 1.20 | Efficacy of corporate boards | 4.2 | 98 | 7.03 | Hiring and firing practices | 4.0 | 68 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 63 | 7.04 | Redundancy costs, weeks of salary* | 26 | 113 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.3 | 117 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.4 | 129 | |
| 2.01 | Quality of overall infrastructure | 3.7 | 96 | 7.07 | Brain drain | 3.6 | 59 |
| 2.02 | Quality of roads | 4.2 | 62 | 7.08 | Women in labor force, ratio to men* | 0.66 | 103 |
| 2.03 | Quality of railroad infrastructure | 2.7 | 62 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.7 | 51 | 8.01 | Availability of financial services | 5.0 | 48 |
| 2.05 | Quality of air transport infrastructure | 5.4 | 41 | 8.02 | Affordability of financial services | 4.2 | 65 |
| 2.06 | Available airline seat kms/week, millions* | 332.1 | 50 | 8.03 | Financing through local equity market | 2.7 | 113 |
| 2.07 | Quality of electricity supply | 2.1 | 130 | 8.04 | Ease of access to loans | 2.5 | 90 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 87.2 | 99 | 8.05 | Venture capital availability | 2.2 | 111 |
| 2.09 | Fixed telephone lines/100 pop.* | 10.4 | 92 | 8.06 | Soundness of banks | 5.9 | 30 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 92 | |
| 3.01 | Government budget balance, % GDP* | -2.5 | 61 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 8.3 | 130 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.5 | 112 | 9.01 | Availability of latest technologies | 5.2 | 60 |
| 3.04 | General government debt, % GDP* | 29.3 | 41 | 9.02 | Firm-level technology absorption | 4.9 | 57 |
| 3.05 | Country credit rating, 0-100 (best)* | 38.2 | 82 | 9.03 | FDI and technology transfer | 5.0 | 31 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 35.5 | 79 | |
| 4.01 | Business impact of malaria | 5.5 | 92 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.0 | 81 |
| 4.02 | Malaria cases/100,000 pop.* | 41.8 | 91 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 11.2 | 81 |
| 4.03 | Business impact of tuberculosis | 5.3 | 76 | 9.07 | Mobile broadband subscriptions/100 pop.* | 7.7 | 75 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 67.0 | 78 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.0 | 89 | 10.01 | Domestic market size index, 1-7 (best)* | 3.6 | 65 |
| 4.06 | HIV prevalence, % adult pop.* | 0.9 | 102 | 10.02 | Foreign market size index, 1-7 (best)* | 3.9 | 80 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 22.3 | 89 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.2 | 77 | 11.01 | Local supplier quantity | 4.6 | 79 |
| 4.09 | Quality of primary education | 1.9 | 143 | 11.02 | Local supplier quality | 4.3 | 85 |
| 4.10 | Primary education enrollment, net %* | 90.2 | 92 | 11.03 | State of cluster development | 3.6 | 77 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 113 | |
| 5.01 | Secondary education enrollment, gross %* | 76.4 | 96 | 11.05 | Value chain breadth | 3.7 | 63 |
| 5.02 | Tertiary education enrollment, gross %* | 34.0 | 72 | 11.06 | Control of international distribution | 4.3 | 46 |
| 5.03 | Quality of the educational system | 2.4 | 137 | 11.07 | Production process sophistication | 3.5 | 82 |
| 5.04 | Quality of math and science education | 2.1 | 142 | 11.08 | Extent of marketing | 4.2 | 58 |
| 5.05 | Quality of management schools | 3.9 | 88 | 11.09 | Willingness to delegate authority | 3.5 | 91 |
| 5.06 | Internet access in schools | 3.4 | 102 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.9 | 84 | 12.01 | Capacity for innovation | 2.5 | 118 |
| 5.08 | Extent of staff training | 3.9 | 76 | 12.02 | Quality of scientific research institutions | 2.6 | 126 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 99 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 89 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 93 |
| | | | | 12.06 | Availability of scientists and engineers | 3.3 | 125 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.5 | 77 |

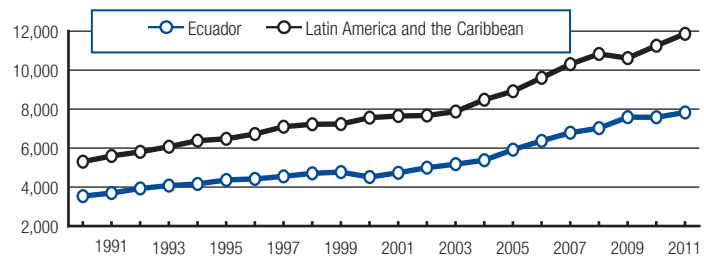
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Ecuador

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 14.9 |
| GDP (US\$ billions)..... | 66.4 |
| GDP per capita (US\$)..... | 4,424 |
| GDP (PPP) as share (%) of world total..... | 0.16 |

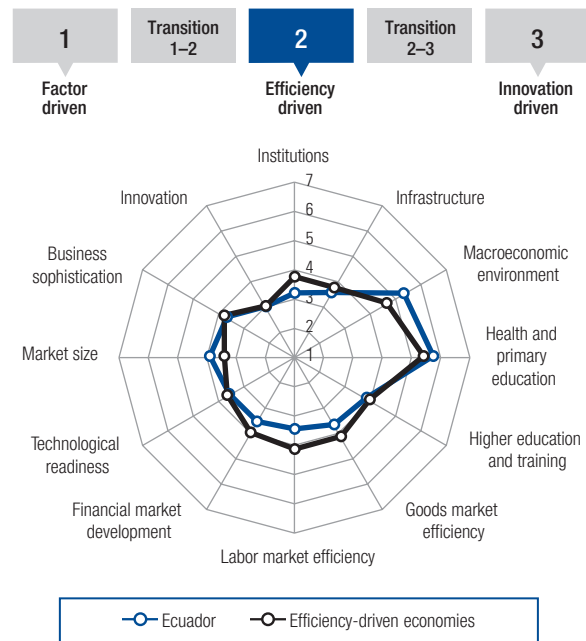
GDP (PPP) per capita (int'l \$), 1990–2011



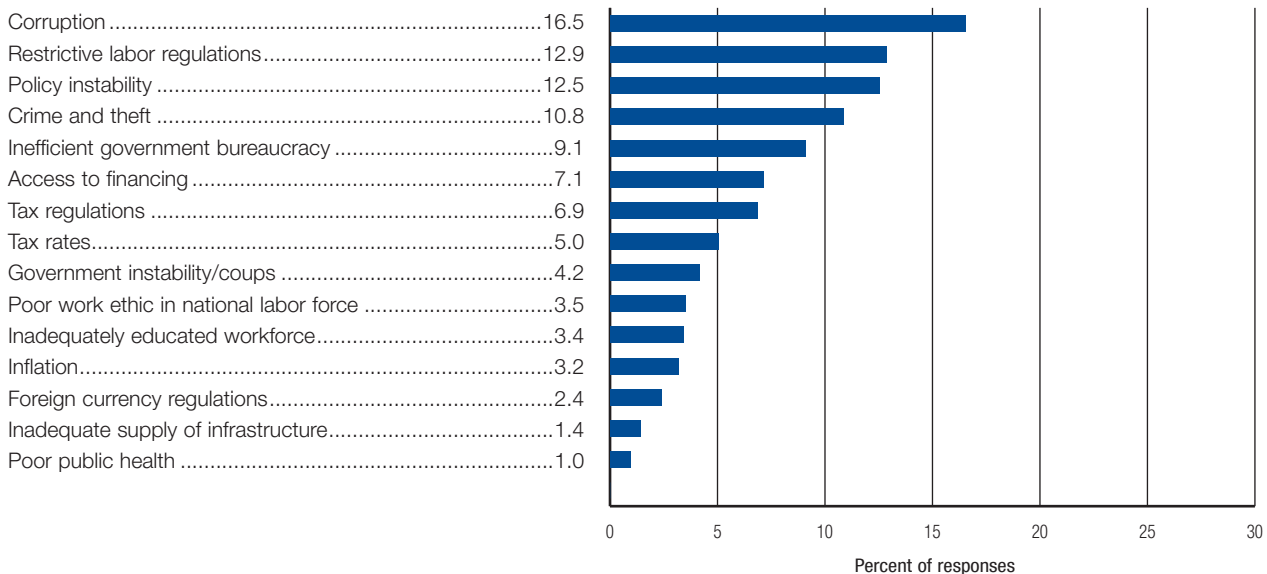
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 86 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 101 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 105 | 3.7 |
| Basic requirements (40.0%) | 75 | 4.4 |
| Institutions..... | 131 | 3.2 |
| Infrastructure..... | 90 | 3.5 |
| Macroeconomic environment..... | 37 | 5.3 |
| Health and primary education..... | 67 | 5.7 |
| Efficiency enhancers (50.0%) | 100 | 3.7 |
| Higher education and training..... | 91 | 3.8 |
| Goods market efficiency..... | 129 | 3.7 |
| Labor market efficiency..... | 135 | 3.5 |
| Financial market development..... | 110 | 3.6 |
| Technological readiness..... | 82 | 3.6 |
| Market size..... | 60 | 3.9 |
| Innovation and sophistication factors (10.0%) | 93 | 3.3 |
| Business sophistication..... | 94 | 3.7 |
| Innovation..... | 96 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Ecuador

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.4 | 120 | 6.01 | Intensity of local competition | 4.3 | 103 |
| 1.02 | Intellectual property protection | 2.8 | 115 | 6.02 | Extent of market dominance | 3.1 | 125 |
| 1.03 | Diversion of public funds | 2.6 | 109 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 110 |
| 1.04 | Public trust in politicians | 2.6 | 77 | 6.04 | Extent and effect of taxation | 3.0 | 114 |
| 1.05 | Irregular payments and bribes | 3.2 | 109 | 6.05 | Total tax rate, % profits* | 35.3 | 59 |
| 1.06 | Judicial independence | 2.5 | 128 | 6.06 | No. procedures to start a business* | 13 | 130 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 81 | 6.07 | No. days to start a business* | 56 | 127 |
| 1.08 | Wastefulness of government spending | 3.1 | 79 | 6.08 | Agricultural policy costs | 3.7 | 86 |
| 1.09 | Burden of government regulation | 3.0 | 101 | 6.09 | Prevalence of trade barriers | 3.2 | 140 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 130 | 6.10 | Trade tariffs, % duty* | 7.2 | 87 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.5 | 138 | 6.11 | Prevalence of foreign ownership | 4.0 | 116 |
| 1.12 | Transparency of government policymaking | 4.0 | 96 | 6.12 | Business impact of rules on FDI | 3.2 | 136 |
| 1.13 | Gov't services for improved business performance | n/a | n/a | 6.13 | Burden of customs procedures | 3.6 | 95 |
| 1.14 | Business costs of terrorism | 4.4 | 127 | 6.14 | Imports as a percentage of GDP* | 41.3 | 82 |
| 1.15 | Business costs of crime and violence | 3.1 | 131 | 6.15 | Degree of customer orientation | 3.8 | 129 |
| 1.16 | Organized crime | 3.6 | 130 | 6.16 | Buyer sophistication | 3.4 | 74 |
| 1.17 | Reliability of police services | 3.2 | 116 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 131 | 7.01 | Cooperation in labor-employer relations | 3.9 | 108 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 107 | 7.02 | Flexibility of wage determination | 4.1 | 121 |
| 1.20 | Efficacy of corporate boards | 4.0 | 115 | 7.03 | Hiring and firing practices | 3.1 | 125 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 111 | 7.04 | Redundancy costs, weeks of salary* | 36 | 131 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.3 | 114 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.7 | 105 | |
| 2.01 | Quality of overall infrastructure | 3.9 | 85 | 7.07 | Brain drain | 3.2 | 91 |
| 2.02 | Quality of roads | 4.4 | 53 | 7.08 | Women in labor force, ratio to men* | 0.67 | 102 |
| 2.03 | Quality of railroad infrastructure | 2.3 | 78 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.9 | 88 | 8.01 | Availability of financial services | 4.1 | 93 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 80 | 8.02 | Affordability of financial services | 3.7 | 101 |
| 2.06 | Available airline seat kms/week, millions* | 157.9 | 71 | 8.03 | Financing through local equity market | 3.3 | 75 |
| 2.07 | Quality of electricity supply | 4.1 | 90 | 8.04 | Ease of access to loans | 2.8 | 68 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 104.5 | 78 | 8.05 | Venture capital availability | 2.6 | 68 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.1 | 83 | 8.06 | Soundness of banks | 4.6 | 95 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.1 | 71 | |
| 3.01 | Government budget balance, % GDP* | -1.0 | 39 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 28.7 | 27 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.5 | 67 | 9.01 | Availability of latest technologies | 4.5 | 102 |
| 3.04 | General government debt, % GDP* | 18.0 | 24 | 9.02 | Firm-level technology absorption | 4.3 | 101 |
| 3.05 | Country credit rating, 0-100 (best)* | 24.4 | 116 | 9.03 | FDI and technology transfer | 3.8 | 120 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 31.4 | 87 | |
| 4.01 | Business impact of malaria | 5.0 | 105 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.2 | 80 |
| 4.02 | Malaria cases/100,000 pop.* | 51.4 | 92 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 27.7 | 47 |
| 4.03 | Business impact of tuberculosis | 4.9 | 94 | 9.07 | Mobile broadband subscriptions/100 pop.* | 10.3 | 67 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 65.0 | 76 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.4 | 112 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 58 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 4.4 | 68 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 17.6 | 78 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.5 | 47 | 11.01 | Local supplier quantity | 4.4 | 99 |
| 4.09 | Quality of primary education | 3.2 | 101 | 11.02 | Local supplier quality | 4.1 | 101 |
| 4.10 | Primary education enrollment, net %* | 97.0 | 39 | 11.03 | State of cluster development | 3.5 | 82 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 91 | |
| 5.01 | Secondary education enrollment, gross %* | 74.8 | 98 | 11.05 | Value chain breadth | 3.4 | 88 |
| 5.02 | Tertiary education enrollment, gross %* | 39.8 | 62 | 11.06 | Control of international distribution | 3.9 | 81 |
| 5.03 | Quality of the educational system | 3.3 | 93 | 11.07 | Production process sophistication | 3.5 | 83 |
| 5.04 | Quality of math and science education | 3.5 | 102 | 11.08 | Extent of marketing | 3.7 | 98 |
| 5.05 | Quality of management schools | 3.8 | 94 | 11.09 | Willingness to delegate authority | 3.5 | 89 |
| 5.06 | Internet access in schools | 3.5 | 98 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.6 | 105 | 12.01 | Capacity for innovation | 3.0 | 82 |
| 5.08 | Extent of staff training | 3.7 | 90 | 12.02 | Quality of scientific research institutions | 3.0 | 110 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 73 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.4 | 84 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 60 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 96 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 94 |

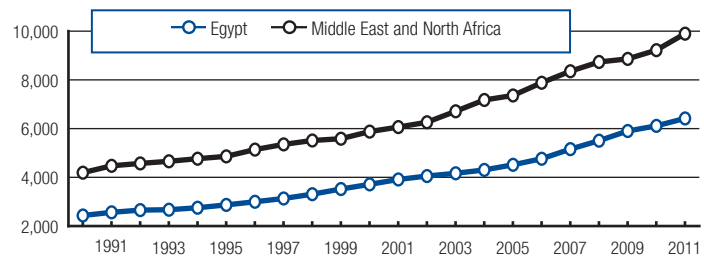
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Egypt

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 83.1 |
| GDP (US\$ billions)..... | 235.7 |
| GDP per capita (US\$)..... | 2,970 |
| GDP (PPP) as share (%) of world total..... | 0.66 |

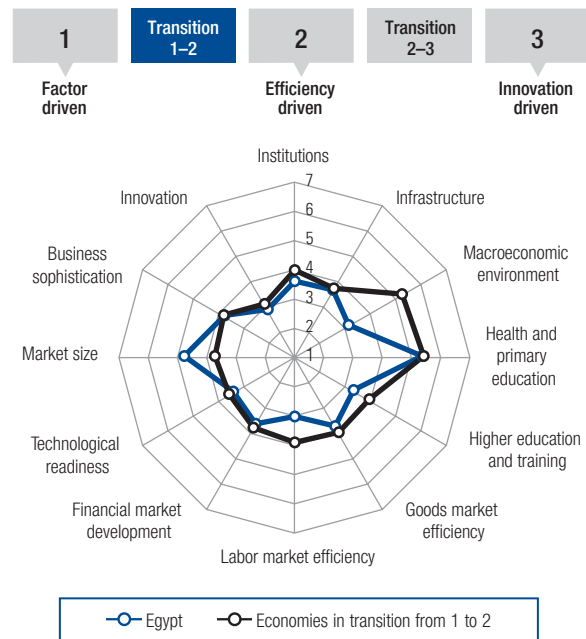
GDP (PPP) per capita (int'l \$), 1990–2011



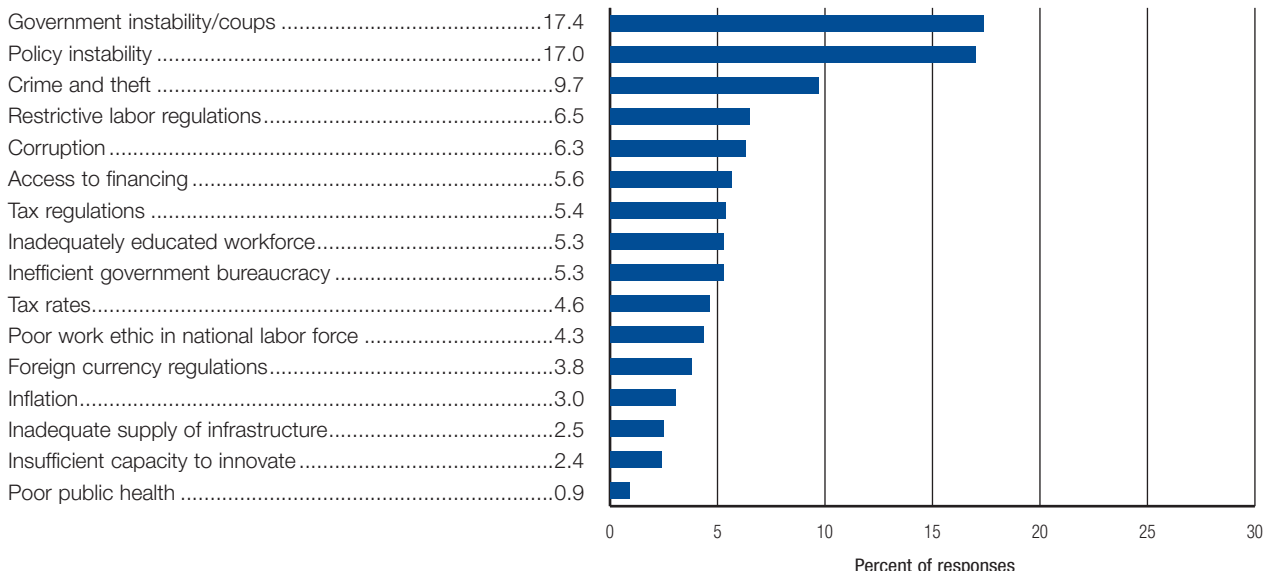
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 107 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 94 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 81 | 4.0 |
| Basic requirements (40.6%) | 110 | 3.9 |
| Institutions..... | 96 | 3.6 |
| Infrastructure..... | 83 | 3.6 |
| Macroeconomic environment..... | 138 | 3.1 |
| Health and primary education..... | 94 | 5.3 |
| Efficiency enhancers (49.6%) | 101 | 3.7 |
| Higher education and training..... | 109 | 3.3 |
| Goods market efficiency..... | 125 | 3.8 |
| Labor market efficiency..... | 142 | 3.1 |
| Financial market development..... | 102 | 3.7 |
| Technological readiness..... | 91 | 3.4 |
| Market size..... | 29 | 4.8 |
| Innovation and sophistication factors (9.9%) | 96 | 3.3 |
| Business sophistication..... | 83 | 3.8 |
| Innovation..... | 109 | 2.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|--------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 4.0.....85 | 6.01 | Intensity of local competition | 4.0.....121 |
| 1.02 | Intellectual property protection | 3.3.....83 | 6.02 | Extent of market dominance | 3.2.....118 |
| 1.03 | Diversion of public funds | 2.6.....113 | 6.03 | Effectiveness of anti-monopoly policy | 3.2.....133 |
| 1.04 | Public trust in politicians | 2.8.....69 | 6.04 | Extent and effect of taxation | 3.3.....87 |
| 1.05 | Irregular payments and bribes | 3.4.....100 | 6.05 | Total tax rate, % profits* | 43.6.....87 |
| 1.06 | Judicial independence | 4.1.....53 | 6.06 | No. procedures to start a business* | 6.....47 |
| 1.07 | Favoritism in decisions of government officials | 3.0.....74 | 6.07 | No. days to start a business* | 7.....25 |
| 1.08 | Wastefulness of government spending | 2.5.....113 | 6.08 | Agricultural policy costs | 3.2.....126 |
| 1.09 | Burden of government regulation | 2.9.....113 | 6.09 | Prevalence of trade barriers | 3.7.....124 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.4.....86 | 6.10 | Trade tariffs, % duty* | 15.2.....133 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2.....100 | 6.11 | Prevalence of foreign ownership | 4.0.....112 |
| 1.12 | Transparency of government policymaking | 3.8.....113 | 6.12 | Business impact of rules on FDI | 4.0.....110 |
| 1.13 | Gov't services for improved business performance | 3.5.....80 | 6.13 | Burden of customs procedures | 3.7.....90 |
| 1.14 | Business costs of terrorism | 3.1.....142 | 6.14 | Imports as a percentage of GDP* | 30.5.....116 |
| 1.15 | Business costs of crime and violence | 3.0.....133 | 6.15 | Degree of customer orientation | 4.5.....86 |
| 1.16 | Organized crime | 5.0.....82 | 6.16 | Buyer sophistication | 2.5.....126 |
| 1.17 | Reliability of police services | 3.5.....106 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.8.....73 | 7.01 | Cooperation in labor-employer relations | 3.6.....128 |
| 1.19 | Strength of auditing and reporting standards | 4.1.....104 | 7.02 | Flexibility of wage determination | 5.2.....55 |
| 1.20 | Efficacy of corporate boards | 3.8.....136 | 7.03 | Hiring and firing practices | 3.3.....116 |
| 1.21 | Protection of minority shareholders' interests | 4.1.....75 | 7.04 | Redundancy costs, weeks of salary* | 37.....132 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3.....65 | 7.05 | Pay and productivity | 3.4.....112 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.3.....134 |
| 2.01 | Quality of overall infrastructure | 3.8.....88 | 7.07 | Brain drain | 2.2.....132 |
| 2.02 | Quality of roads | 2.9.....109 | 7.08 | Women in labor force, ratio to men* | 0.32.....139 |
| 2.03 | Quality of railroad infrastructure | 3.1.....52 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 4.0.....79 | 8.01 | Availability of financial services | 4.2.....88 |
| 2.05 | Quality of air transport infrastructure | 5.0.....54 | 8.02 | Affordability of financial services | 4.1.....71 |
| 2.06 | Available airline seat kms/week, millions* | 668.1.....34 | 8.03 | Financing through local equity market | 4.2.....37 |
| 2.07 | Quality of electricity supply | 4.4.....82 | 8.04 | Ease of access to loans | 2.6.....84 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 101.1.....84 | 8.05 | Venture capital availability | 3.0.....40 |
| 2.09 | Fixed telephone lines/100 pop.* | 10.6.....90 | 8.06 | Soundness of banks | 4.3.....123 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.1.....69 |
| 3.01 | Government budget balance, % GDP* | -9.9.....142 | 8.08 | Legal rights index, 0-10 (best)* | 3.....118 |
| 3.02 | Gross national savings, % GDP* | 15.1.....96 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 11.1.....128 | 9.01 | Availability of latest technologies | 4.2.....115 |
| 3.04 | General government debt, % GDP* | 76.4.....122 | 9.02 | Firm-level technology absorption | 4.6.....86 |
| 3.05 | Country credit rating, 0-100 (best)* | 39.7.....80 | 9.03 | FDI and technology transfer | 4.6.....75 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 35.6.....78 |
| 4.01 | Business impact of malaria | n/appl.....1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 2.2.....90 |
| 4.02 | Malaria cases/100,000 pop.* | 0.0.....1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.8.....97 |
| 4.03 | Business impact of tuberculosis | 4.8.....96 | 9.07 | Mobile broadband subscriptions/100 pop.* | 21.0.....46 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 18.0.....40 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 5.1.....86 | 10.01 | Domestic market size index, 1-7 (best)* | 4.7.....25 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1.....12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9.....47 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 18.6.....81 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 73.0.....81 | 11.01 | Local supplier quantity | 4.6.....80 |
| 4.09 | Quality of primary education | 2.1.....137 | 11.02 | Local supplier quality | 3.8.....118 |
| 4.10 | Primary education enrollment, net %* | 94.4.....59 | 11.03 | State of cluster development | 3.7.....70 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4.....76 |
| 5.01 | Secondary education enrollment, gross %* | 72.5.....101 | 11.05 | Value chain breadth | 3.6.....72 |
| 5.02 | Tertiary education enrollment, gross %* | 32.4.....73 | 11.06 | Control of international distribution | 4.0.....72 |
| 5.03 | Quality of the educational system | 2.3.....139 | 11.07 | Production process sophistication | 3.4.....86 |
| 5.04 | Quality of math and science education | 2.3.....139 | 11.08 | Extent of marketing | 3.7.....100 |
| 5.05 | Quality of management schools | 2.8.....137 | 11.09 | Willingness to delegate authority | 4.0.....45 |
| 5.06 | Internet access in schools | 3.0.....116 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.7.....99 | 12.01 | Capacity for innovation | 3.0.....80 |
| 5.08 | Extent of staff training | 3.1.....129 | 12.02 | Quality of scientific research institutions | 2.9.....114 |
| | | | 12.03 | Company spending on R&D | 2.6.....116 |
| | | | 12.04 | University-industry collaboration in R&D | 2.7.....128 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.3.....95 |
| | | | 12.06 | Availability of scientists and engineers | 4.2.....61 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.6.....73 |

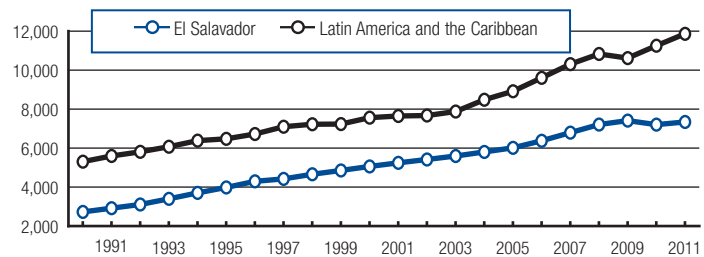
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

El Salvador

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 6.3 |
| GDP (US\$ billions)..... | 22.8 |
| GDP per capita (US\$)..... | 3,855 |
| GDP (PPP) as share (%) of world total..... | 0.06 |

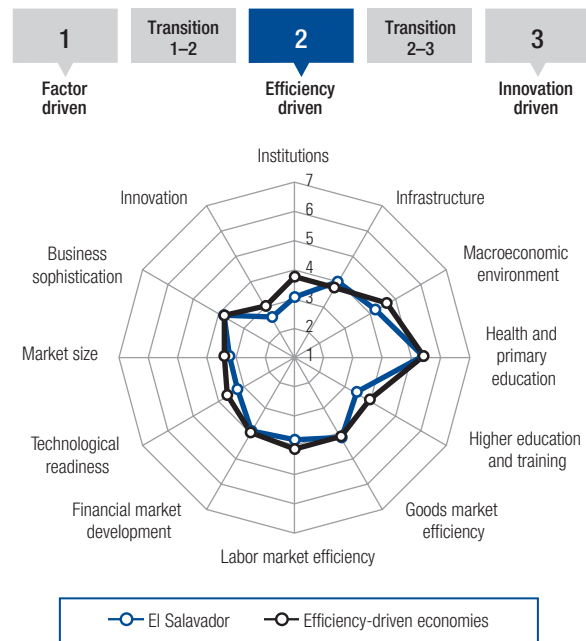
GDP (PPP) per capita (int'l \$), 1990–2011



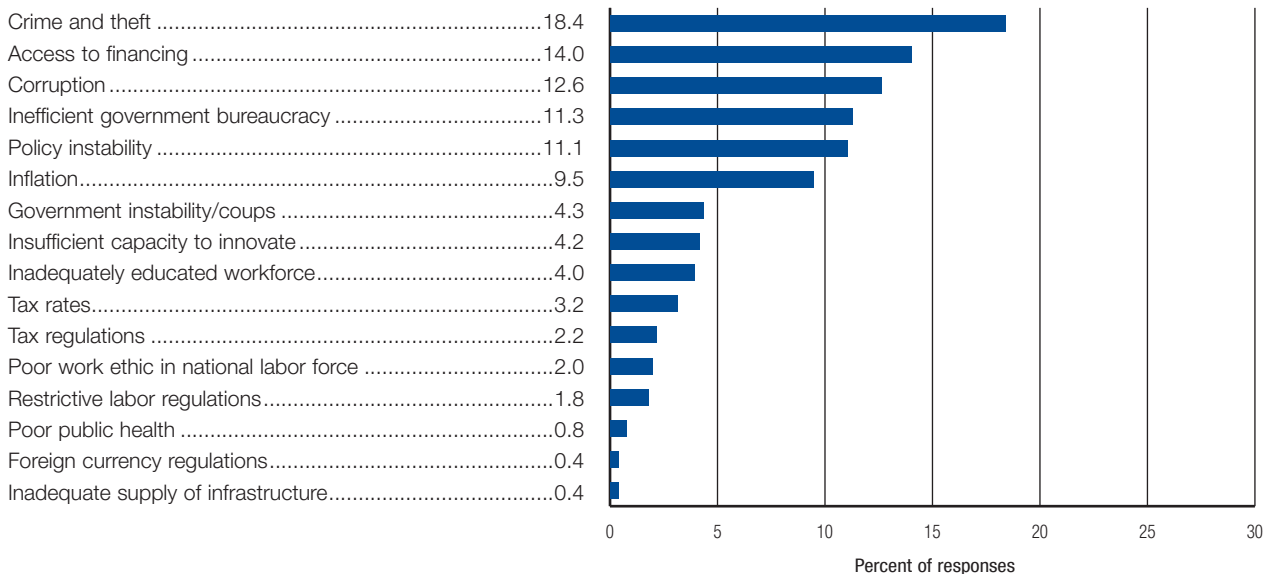
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 101 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 91 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 82 | 4.0 |
| Basic requirements (40.0%) | 99 | 4.1 |
| Institutions..... | 134 | 3.0 |
| Infrastructure..... | 72 | 3.9 |
| Macroeconomic environment..... | 103 | 4.2 |
| Health and primary education..... | 90 | 5.4 |
| Efficiency enhancers (50.0%) | 103 | 3.7 |
| Higher education and training..... | 105 | 3.4 |
| Goods market efficiency..... | 74 | 4.2 |
| Labor market efficiency..... | 121 | 3.9 |
| Financial market development..... | 81 | 4.0 |
| Technological readiness..... | 102 | 3.3 |
| Market size..... | 83 | 3.2 |
| Innovation and sophistication factors (10.0%) | 107 | 3.2 |
| Business sophistication..... | 82 | 3.8 |
| Innovation..... | 128 | 2.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

El Salvador

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|----------------------|---|---|--------------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.8.....99 | 6.01 | Intensity of local competition | 4.9.....64 |
| 1.02 | Intellectual property protection | 2.4.....133 | 6.02 | Extent of market dominance | 3.2.....114 |
| 1.03 | Diversion of public funds | 2.6.....110 | 6.03 | Effectiveness of anti-monopoly policy | 3.6.....98 |
| 1.04 | Public trust in politicians | 1.7.....135 | 6.04 | Extent and effect of taxation | 2.8.....123 |
| 1.05 | Irregular payments and bribes | 3.4.....102 | 6.05 | Total tax rate, % profits* | 35.0.....56 |
| 1.06 | Judicial independence | 2.7.....116 | 6.06 | No. procedures to start a business* | 8.....87 |
| 1.07 | Favoritism in decisions of government officials | 2.4.....125 | 6.07 | No. days to start a business* | 17.....75 |
| 1.08 | Wastefulness of government spending | 2.2.....130 | 6.08 | Agricultural policy costs | 3.5.....107 |
| 1.09 | Burden of government regulation | 3.3.....78 | 6.09 | Prevalence of trade barriers | 3.9.....104 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.8.....123 | 6.10 | Trade tariffs, % duty* | 4.4.....55 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9.....117 | 6.11 | Prevalence of foreign ownership | 4.9.....63 |
| 1.12 | Transparency of government policymaking | 3.6.....125 | 6.12 | Business impact of rules on FDI | 3.9.....117 |
| 1.13 | Gov't services for improved business performance | 2.9.....117 | 6.13 | Burden of customs procedures | 3.5.....103 |
| 1.14 | Business costs of terrorism | 4.2.....129 | 6.14 | Imports as a percentage of GDP* | 49.2.....62 |
| 1.15 | Business costs of crime and violence | 1.9.....143 | 6.15 | Degree of customer orientation | 5.1..... 35 |
| 1.16 | Organized crime | 1.8.....144 | 6.16 | Buyer sophistication | 3.2.....87 |
| 1.17 | Reliability of police services | 3.1.....118 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.4.....118 | 7.01 | Cooperation in labor-employer relations | 4.5..... 48 |
| 1.19 | Strength of auditing and reporting standards | 4.3.....90 | 7.02 | Flexibility of wage determination | 5.6..... 23 |
| 1.20 | Efficacy of corporate boards | 4.4.....83 | 7.03 | Hiring and firing practices | 3.9.....79 |
| 1.21 | Protection of minority shareholders' interests | 3.6.....117 | 7.04 | Redundancy costs, weeks of salary* | 23.....103 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0.....130 | 7.05 | Pay and productivity | 3.3.....119 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5.....116 |
| 2.01 | Quality of overall infrastructure | 4.4.....66 | 7.07 | Brain drain | 2.4.....124 |
| 2.02 | Quality of roads | 4.5.....52 | 7.08 | Women in labor force, ratio to men* | 0.62.....112 |
| 2.03 | Quality of railroad infrastructure | 1.8.....101 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 3.9.....86 | 8.01 | Availability of financial services | 4.9.....54 |
| 2.05 | Quality of air transport infrastructure | 5.4..... 42 | 8.02 | Affordability of financial services | 4.2.....64 |
| 2.06 | Available airline seat kms/week, millions* | 87.5.....79 | 8.03 | Financing through local equity market | 2.9.....104 |
| 2.07 | Quality of electricity supply | 4.9.....70 | 8.04 | Ease of access to loans | 2.7.....74 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 125.8..... 37 | 8.05 | Venture capital availability | 2.3.....95 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.3.....80 | 8.06 | Soundness of banks | 5.7..... 40 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9.....91 |
| 3.01 | Government budget balance, % GDP* | -4.2.....94 | 8.08 | Legal rights index, 0-10 (best)* | 5.....89 |
| 3.02 | Gross national savings, % GDP* | 8.4.....129 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 3.6..... 49 | 9.01 | Availability of latest technologies | 4.7.....88 |
| 3.04 | General government debt, % GDP* | 50.8.....98 | 9.02 | Firm-level technology absorption | 4.5.....92 |
| 3.05 | Country credit rating, 0-100 (best)* | 43.8.....74 | 9.03 | FDI and technology transfer | 4.2.....99 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 17.7.....101 |
| 4.01 | Business impact of malaria | 6.0.....81 | 9.05 | Broadband Internet subscriptions/100 pop.* | 3.3.....84 |
| 4.02 | Malaria cases/100,000 pop.* | 0.4.....77 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.2.....112 |
| 4.03 | Business impact of tuberculosis | 4.8.....99 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.6.....91 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 28.0.....55 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 4.9.....92 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1.....83 |
| 4.06 | HIV prevalence, % adult pop.* | 0.8.....98 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6.....96 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 13.9.....65 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 71.7.....90 | 11.01 | Local supplier quantity | 4.7.....72 |
| 4.09 | Quality of primary education | 2.4.....131 | 11.02 | Local supplier quality | 4.6.....60 |
| 4.10 | Primary education enrollment, net %* | 93.7.....69 | 11.03 | State of cluster development | 3.4.....86 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4.....74 |
| 5.01 | Secondary education enrollment, gross %* | 65.0.....105 | 11.05 | Value chain breadth | 3.5.....75 |
| 5.02 | Tertiary education enrollment, gross %* | 23.4.....84 | 11.06 | Control of international distribution | 4.1.....62 |
| 5.03 | Quality of the educational system | 2.5.....134 | 11.07 | Production process sophistication | 3.1.....108 |
| 5.04 | Quality of math and science education | 2.5.....133 | 11.08 | Extent of marketing | 3.7.....96 |
| 5.05 | Quality of management schools | 3.8.....99 | 11.09 | Willingness to delegate authority | 3.6.....87 |
| 5.06 | Internet access in schools | 3.4.....103 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.9.....81 | 12.01 | Capacity for innovation | 2.7.....107 |
| 5.08 | Extent of staff training | 3.8.....81 | 12.02 | Quality of scientific research institutions | 2.3.....136 |
| | | | 12.03 | Company spending on R&D | 2.7.....106 |
| | | | 12.04 | University-industry collaboration in R&D | 3.3.....92 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.1.....113 |
| | | | 12.06 | Availability of scientists and engineers | 2.8.....139 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.4.....81 |

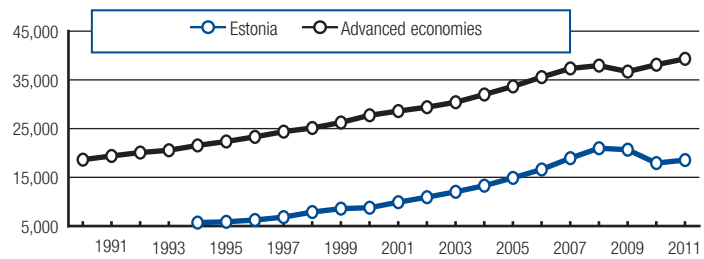
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Estonia

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.4 |
| GDP (US\$ billions)..... | 22.2 |
| GDP per capita (US\$)..... | 16,583 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

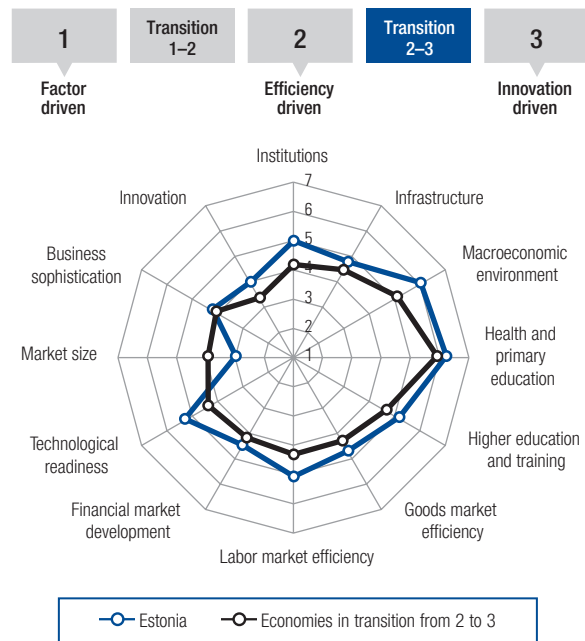
GDP (PPP) per capita (int'l \$), 1990–2011



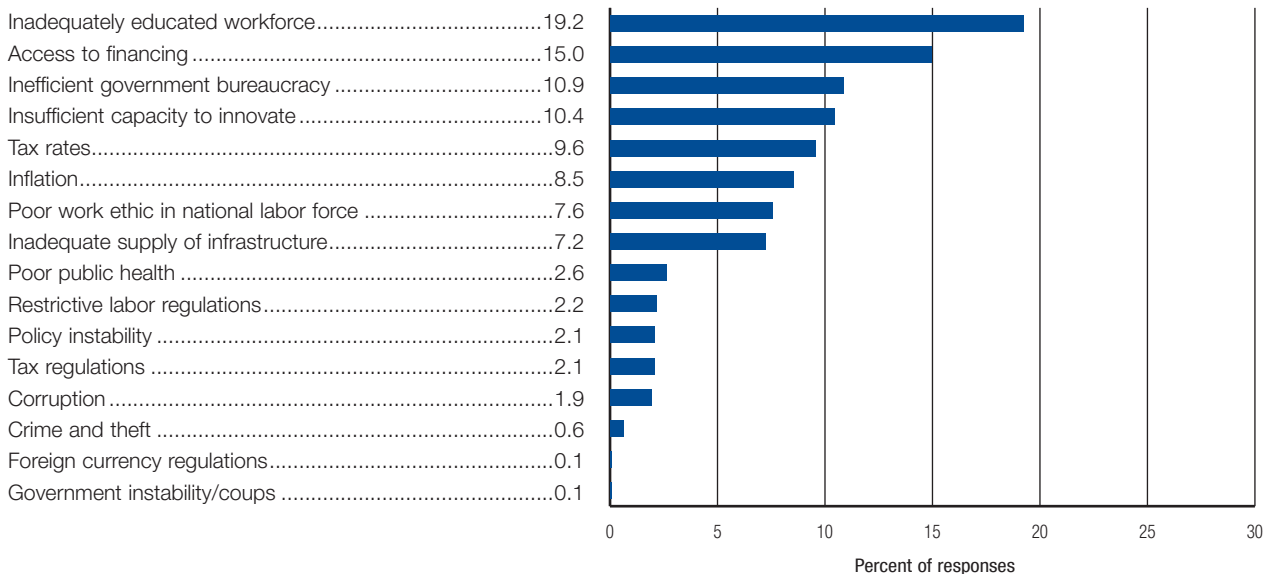
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 34 | 4.6 |
| GCI 2011–2012 (out of 142)..... | 33 | 4.6 |
| GCI 2010–2011 (out of 139)..... | 33 | 4.6 |
| Basic requirements (21.0%) | 26 | 5.5 |
| Institutions..... | 30 | 4.9 |
| Infrastructure..... | 41 | 4.7 |
| Macroeconomic environment..... | 20 | 6.0 |
| Health and primary education..... | 27 | 6.2 |
| Efficiency enhancers (50.0%) | 31 | 4.6 |
| Higher education and training..... | 25 | 5.2 |
| Goods market efficiency..... | 31 | 4.7 |
| Labor market efficiency..... | 10 | 5.1 |
| Financial market development..... | 39 | 4.5 |
| Technological readiness..... | 25 | 5.3 |
| Market size..... | 96 | 3.0 |
| Innovation and sophistication factors (29.0%) | 33 | 4.1 |
| Business sophistication..... | 51 | 4.2 |
| Innovation..... | 30 | 3.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.2 | 35 | 6.01 | Intensity of local competition | 5.5 | 25 |
| 1.02 | Intellectual property protection | 4.7 | 34 | 6.02 | Extent of market dominance | 4.0 | 45 |
| 1.03 | Diversion of public funds | 4.6 | 33 | 6.03 | Effectiveness of anti-monopoly policy | 4.5 | 39 |
| 1.04 | Public trust in politicians | 3.9 | 30 | 6.04 | Extent and effect of taxation | 4.5 | 18 |
| 1.05 | Irregular payments and bribes | 5.5 | 29 | 6.05 | Total tax rate, % profits* | 58.6 | 122 |
| 1.06 | Judicial independence | 5.5 | 21 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 4.1 | 26 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 3.6 | 47 | 6.08 | Agricultural policy costs | 4.5 | 22 |
| 1.09 | Burden of government regulation | 4.3 | 17 | 6.09 | Prevalence of trade barriers | 5.4 | 14 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.3 | 41 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2 | 39 | 6.11 | Prevalence of foreign ownership | 5.4 | 26 |
| 1.12 | Transparency of government policymaking | 5.1 | 19 | 6.12 | Business impact of rules on FDI | 5.4 | 15 |
| 1.13 | Gov't services for improved business performance | 4.2 | 36 | 6.13 | Burden of customs procedures | 5.2 | 15 |
| 1.14 | Business costs of terrorism | 6.4 | 9 | 6.14 | Imports as a percentage of GDP* | 95.8 | 10 |
| 1.15 | Business costs of crime and violence | 5.5 | 37 | 6.15 | Degree of customer orientation | 5.1 | 34 |
| 1.16 | Organized crime | 6.6 | 8 | 6.16 | Buyer sophistication | 3.0 | 103 |
| 1.17 | Reliability of police services | 5.5 | 31 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 31 | 7.01 | Cooperation in labor-employer relations | 4.8 | 31 |
| 1.19 | Strength of auditing and reporting standards | 5.5 | 24 | 7.02 | Flexibility of wage determination | 6.0 | 5 |
| 1.20 | Efficacy of corporate boards | 4.8 | 43 | 7.03 | Hiring and firing practices | 4.5 | 36 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 58 | 7.04 | Redundancy costs, weeks of salary* | 13 | 53 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 4.9 | 8 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.2 | 26 | |
| 2.01 | Quality of overall infrastructure | 5.4 | 32 | 7.07 | Brain drain | 3.4 | 78 |
| 2.02 | Quality of roads | 4.2 | 61 | 7.08 | Women in labor force, ratio to men* | 0.92 | 20 |
| 2.03 | Quality of railroad infrastructure | 3.5 | 44 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.6 | 18 | 8.01 | Availability of financial services | 5.0 | 43 |
| 2.05 | Quality of air transport infrastructure | 4.5 | 73 | 8.02 | Affordability of financial services | 4.3 | 59 |
| 2.06 | Available airline seat kms/week, millions* | 25.8 | 112 | 8.03 | Financing through local equity market | 3.6 | 62 |
| 2.07 | Quality of electricity supply | 5.2 | 58 | 8.04 | Ease of access to loans | 2.8 | 67 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 139.0 | 24 | 8.05 | Venture capital availability | 3.2 | 33 |
| 2.09 | Fixed telephone lines/100 pop.* | 35.1 | 34 | 8.06 | Soundness of banks | 5.7 | 36 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.7 | 40 | |
| 3.01 | Government budget balance, % GDP* | 1.0 | 24 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 27.7 | 32 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.1 | 78 | 9.01 | Availability of latest technologies | 5.8 | 36 |
| 3.04 | General government debt, % GDP* | 6.0 | 6 | 9.02 | Firm-level technology absorption | 5.5 | 34 |
| 3.05 | Country credit rating, 0-100 (best)* | 68.5 | 37 | 9.03 | FDI and technology transfer | 5.2 | 20 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 76.5 | 23 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 27.1 | 19 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 24.4 | 51 |
| 4.03 | Business impact of tuberculosis | 5.9 | 41 | 9.07 | Mobile broadband subscriptions/100 pop.* | 42.0 | 23 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 25.0 | 53 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.7 | 45 | 10.01 | Domestic market size index, 1-7 (best)* | 2.6 | 103 |
| 4.06 | HIV prevalence, % adult pop.* | 1.2 | 110 | 10.02 | Foreign market size index, 1-7 (best)* | 4.1 | 75 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.3 | 28 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.4 | 48 | 11.01 | Local supplier quantity | 4.7 | 70 |
| 4.09 | Quality of primary education | 5.2 | 19 | 11.02 | Local supplier quality | 5.0 | 35 |
| 4.10 | Primary education enrollment, net %* | 93.9 | 63 | 11.03 | State of cluster development | 3.5 | 79 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 65 | |
| 5.01 | Secondary education enrollment, gross %* | 103.6 | 19 | 11.05 | Value chain breadth | 3.6 | 67 |
| 5.02 | Tertiary education enrollment, gross %* | 62.7 | 27 | 11.06 | Control of international distribution | 4.0 | 73 |
| 5.03 | Quality of the educational system | 4.1 | 49 | 11.07 | Production process sophistication | 4.2 | 45 |
| 5.04 | Quality of math and science education | 5.0 | 19 | 11.08 | Extent of marketing | 4.3 | 55 |
| 5.05 | Quality of management schools | 4.5 | 48 | 11.09 | Willingness to delegate authority | 4.4 | 32 |
| 5.06 | Internet access in schools | 6.4 | 2 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.6 | 39 | 12.01 | Capacity for innovation | 3.8 | 33 |
| 5.08 | Extent of staff training | 4.2 | 46 | 12.02 | Quality of scientific research institutions | 4.9 | 25 |
| | | | | 12.03 | Company spending on R&D | 3.4 | 42 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.4 | 34 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 35 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 69 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 34.5 | 26 |

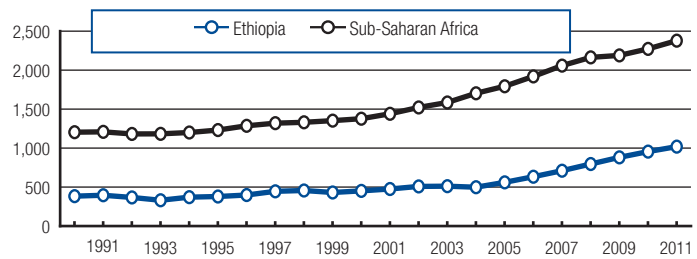
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Ethiopia

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 85.1 |
| GDP (US\$ billions)..... | 31.3 |
| GDP per capita (US\$)..... | 360 |
| GDP (PPP) as share (%) of world total..... | 0.12 |

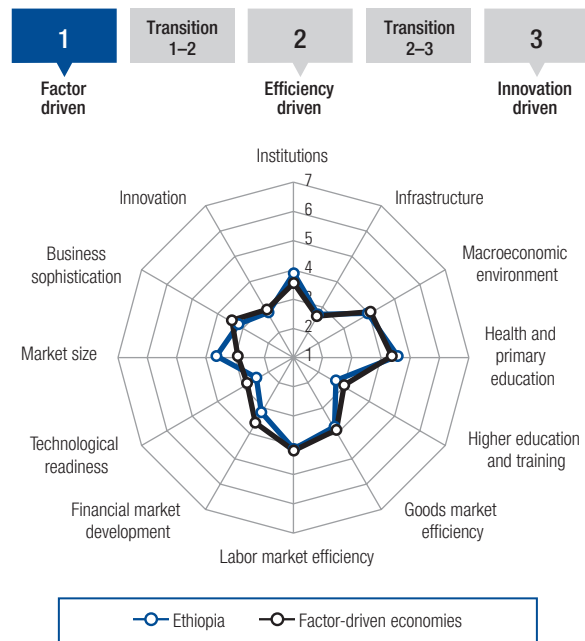
GDP (PPP) per capita (int'l \$), 1990–2011



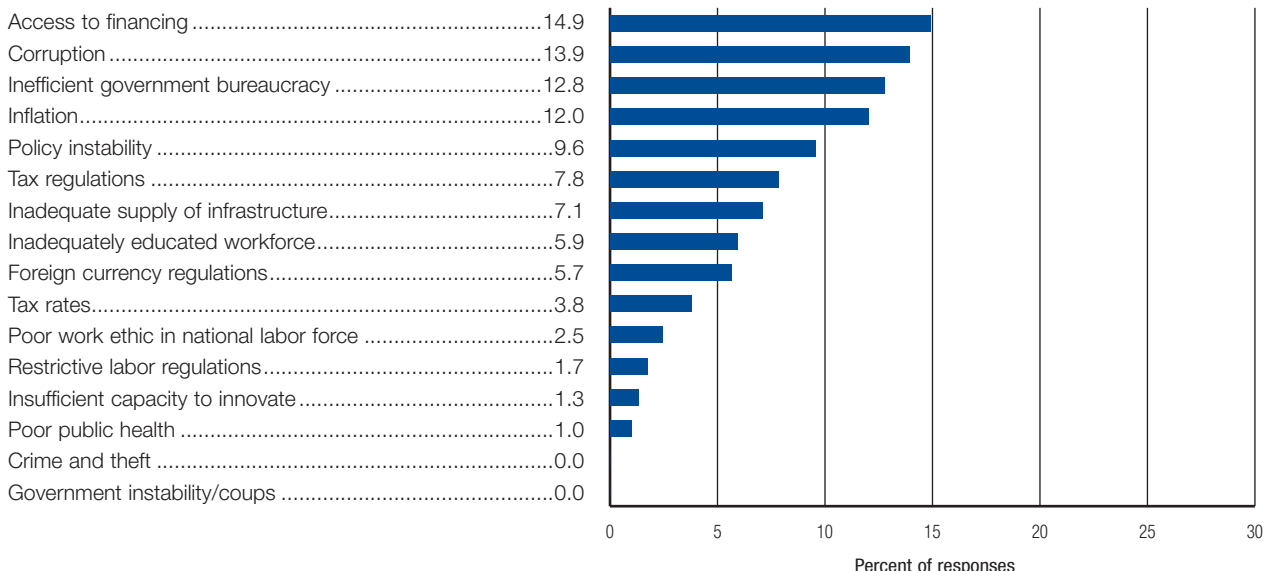
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 121 | 3.6 |
| GCI 2011–2012 (out of 142)..... | 106 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 119 | 3.5 |
| Basic requirements (60.0%) | 118 | 3.7 |
| Institutions..... | 74 | 3.8 |
| Infrastructure..... | 119 | 2.6 |
| Macroeconomic environment..... | 114 | 3.9 |
| Health and primary education..... | 116 | 4.6 |
| Efficiency enhancers (35.0%) | 123 | 3.3 |
| Higher education and training..... | 134 | 2.7 |
| Goods market efficiency..... | 120 | 3.8 |
| Labor market efficiency..... | 87 | 4.2 |
| Financial market development..... | 129 | 3.2 |
| Technological readiness..... | 140 | 2.5 |
| Market size..... | 66 | 3.6 |
| Innovation and sophistication factors (5.0%) | 125 | 3.0 |
| Business sophistication..... | 129 | 3.2 |
| Innovation..... | 114 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 79 | 6.01 | Intensity of local competition | 3.6 | 139 |
| 1.02 | Intellectual property protection | 3.7 | 65 | 6.02 | Extent of market dominance | 2.8 | 135 |
| 1.03 | Diversion of public funds | 3.4 | 62 | 6.03 | Effectiveness of anti-monopoly policy | 3.2 | 129 |
| 1.04 | Public trust in politicians | 3.2 | 48 | 6.04 | Extent and effect of taxation | 3.5 | 69 |
| 1.05 | Irregular payments and bribes | 3.3 | 105 | 6.05 | Total tax rate, % profits* | 31.1 | 37 |
| 1.06 | Judicial independence | 2.8 | 109 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 71 | 6.07 | No. days to start a business* | 9 | 43 |
| 1.08 | Wastefulness of government spending | 3.9 | 29 | 6.08 | Agricultural policy costs | 4.0 | 59 |
| 1.09 | Burden of government regulation | 3.4 | 63 | 6.09 | Prevalence of trade barriers | 2.9 | 143 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 62 | 6.10 | Trade tariffs, % duty* | 12.8 | 128 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 75 | 6.11 | Prevalence of foreign ownership | 3.3 | 135 |
| 1.12 | Transparency of government policymaking | 3.5 | 129 | 6.12 | Business impact of rules on FDI | 3.9 | 114 |
| 1.13 | Gov't services for improved business performance | 4.0 | 48 | 6.13 | Burden of customs procedures | 3.2 | 125 |
| 1.14 | Business costs of terrorism | 5.6 | 64 | 6.14 | Imports as a percentage of GDP* | 37.5 | 91 |
| 1.15 | Business costs of crime and violence | 5.8 | 22 | 6.15 | Degree of customer orientation | 3.9 | 119 |
| 1.16 | Organized crime | 6.2 | 24 | 6.16 | Buyer sophistication | 2.8 | 117 |
| 1.17 | Reliability of police services | 4.0 | 82 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 103 | 7.01 | Cooperation in labor-employer relations | 4.0 | 100 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 106 | 7.02 | Flexibility of wage determination | 4.8 | 93 |
| 1.20 | Efficacy of corporate boards | 4.2 | 104 | 7.03 | Hiring and firing practices | 3.8 | 81 |
| 1.21 | Protection of minority shareholders' interests | 4.1 | 74 | 7.04 | Redundancy costs, weeks of salary* | 21 | 91 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 3.6 | 93 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 117 | |
| 2.01 | Quality of overall infrastructure | 3.6 | 100 | 7.07 | Brain drain | 2.7 | 118 |
| 2.02 | Quality of roads | 4.1 | 64 | 7.08 | Women in labor force, ratio to men* | 0.89 | 32 |
| 2.03 | Quality of railroad infrastructure | 1.4 | 112 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.5 | 110 | 8.01 | Availability of financial services | 3.0 | 137 |
| 2.05 | Quality of air transport infrastructure | 5.1 | 50 | 8.02 | Affordability of financial services | 3.2 | 130 |
| 2.06 | Available airline seat kms/week, millions* | 223.8 | 60 | 8.03 | Financing through local equity market | 3.2 | 85 |
| 2.07 | Quality of electricity supply | 3.2 | 112 | 8.04 | Ease of access to loans | 1.9 | 133 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 16.7 | 143 | 8.05 | Venture capital availability | 2.1 | 118 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.0 | 128 | 8.06 | Soundness of banks | 4.6 | 105 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.4 | 113 | |
| 3.01 | Government budget balance, % GDP* | -1.6 | 47 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 25.6 | 41 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 18.1 | 139 | 9.01 | Availability of latest technologies | 3.8 | 132 |
| 3.04 | General government debt, % GDP* | 37.3 | 63 | 9.02 | Firm-level technology absorption | 3.7 | 139 |
| 3.05 | Country credit rating, 0-100 (best)* | 17.6 | 135 | 9.03 | FDI and technology transfer | 3.7 | 128 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 1.1 | 142 | |
| 4.01 | Business impact of malaria | 4.2 | 116 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 131 |
| 4.02 | Malaria cases/100,000 pop.* | 2,995.5 | 115 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.5 | 98 |
| 4.03 | Business impact of tuberculosis | 3.7 | 129 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.3 | 120 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 261.0 | 123 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.7 | 126 | 10.01 | Domestic market size index, 1-7 (best)* | 3.6 | 63 |
| 4.06 | HIV prevalence, % adult pop.* | 2.1 | 124 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6 | 92 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 67.8 | 128 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 58.7 | 119 | 11.01 | Local supplier quantity | 4.0 | 126 |
| 4.09 | Quality of primary education | 3.2 | 105 | 11.02 | Local supplier quality | 3.5 | 136 |
| 4.10 | Primary education enrollment, net %* | 81.3 | 122 | 11.03 | State of cluster development | 3.2 | 105 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.5 | 137 | |
| 5.01 | Secondary education enrollment, gross %* | 35.7 | 129 | 11.05 | Value chain breadth | 3.0 | 115 |
| 5.02 | Tertiary education enrollment, gross %* | 5.5 | 124 | 11.06 | Control of international distribution | 4.1 | 61 |
| 5.03 | Quality of the educational system | 3.4 | 85 | 11.07 | Production process sophistication | 2.4 | 137 |
| 5.04 | Quality of math and science education | 3.4 | 105 | 11.08 | Extent of marketing | 2.7 | 133 |
| 5.05 | Quality of management schools | 3.6 | 108 | 11.09 | Willingness to delegate authority | 3.1 | 119 |
| 5.06 | Internet access in schools | 2.8 | 119 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.9 | 133 | 12.01 | Capacity for innovation | 2.3 | 133 |
| 5.08 | Extent of staff training | 3.1 | 130 | 12.02 | Quality of scientific research institutions | 3.2 | 99 |
| | | | | 12.03 | Company spending on R&D | 2.1 | 139 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 101 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 59 |
| | | | | 12.06 | Availability of scientists and engineers | 3.1 | 132 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

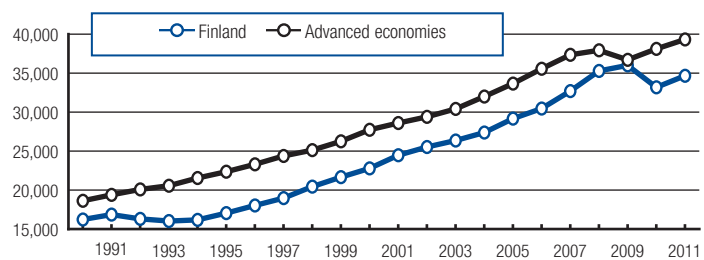
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Finland

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 5.6 |
| GDP (US\$ billions)..... | 266.6 |
| GDP per capita (US\$)..... | 49,350 |
| GDP (PPP) as share (%) of world total..... | 0.25 |

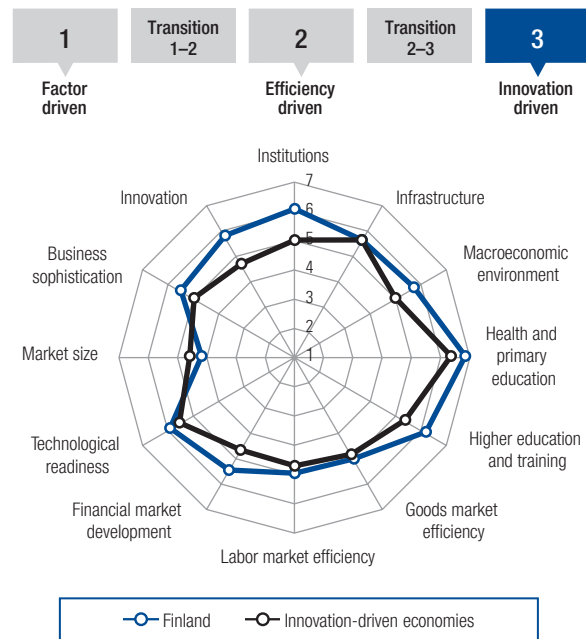
GDP (PPP) per capita (int'l \$), 1990–2011



The Global Competitiveness Index

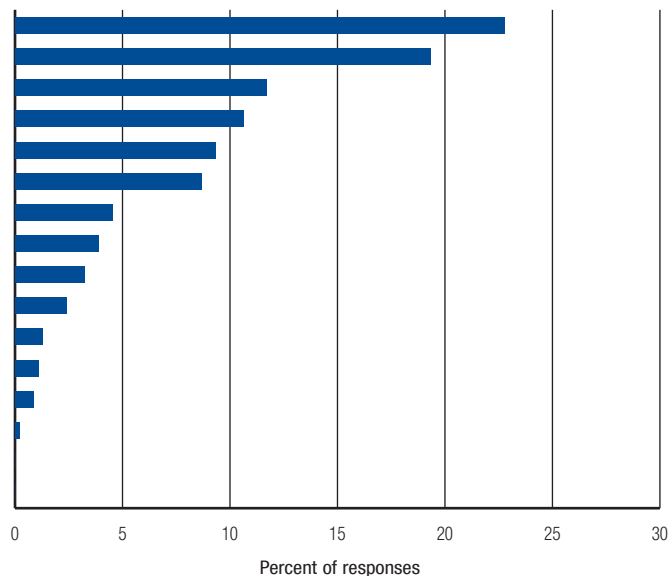
| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 3 | 5.5 |
| GCI 2011–2012 (out of 142)..... | 4 | 5.5 |
| GCI 2010–2011 (out of 139)..... | 7 | 5.4 |
| Basic requirements (20.0%) | 4 | 6.0 |
| Institutions..... | 3 | 6.0 |
| Infrastructure..... | 23 | 5.6 |
| Macroeconomic environment..... | 24 | 5.7 |
| Health and primary education..... | 1 | 6.8 |
| Efficiency enhancers (50.0%) | 9 | 5.3 |
| Higher education and training..... | 1 | 6.2 |
| Goods market efficiency..... | 18 | 5.1 |
| Labor market efficiency..... | 15 | 5.0 |
| Financial market development..... | 4 | 5.5 |
| Technological readiness..... | 10 | 5.9 |
| Market size..... | 54 | 4.2 |
| Innovation and sophistication factors (30.0%) | 3 | 5.6 |
| Business sophistication..... | 7 | 5.5 |
| Innovation..... | 2 | 5.8 |

Stage of development



The most problematic factors for doing business

| | |
|--|------|
| Tax rates..... | 22.8 |
| Restrictive labor regulations..... | 19.3 |
| Access to financing..... | 11.7 |
| Insufficient capacity to innovate..... | 10.6 |
| Inefficient government bureaucracy..... | 9.3 |
| Tax regulations..... | 8.7 |
| Policy instability..... | 4.6 |
| Poor work ethic in national labor force..... | 3.9 |
| Inflation..... | 3.3 |
| Inadequately educated workforce..... | 2.4 |
| Corruption..... | 1.3 |
| Government instability/coups..... | 1.1 |
| Inadequate supply of infrastructure..... | 0.9 |
| Crime and theft..... | 0.2 |
| Foreign currency regulations..... | 0.0 |
| Poor public health..... | 0.0 |



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|---|---------|----------|---|-------|----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 Property rights | 6.5 | 1 | 6.01 Intensity of local competition | 4.9 | 68 |
| 1.02 Intellectual property protection | 6.3 | 1 | 6.02 Extent of market dominance | 4.6 | 26 |
| 1.03 Diversion of public funds | 6.2 | 3 | 6.03 Effectiveness of anti-monopoly policy | 5.5 | 4 |
| 1.04 Public trust in politicians | 5.1 | 12 | 6.04 Extent and effect of taxation | 3.2 | 99 |
| 1.05 Irregular payments and bribes | 6.6 | 2 | 6.05 Total tax rate, % profits* | 39.0 | 73 |
| 1.06 Judicial independence | 6.5 | 2 | 6.06 No. procedures to start a business* | 3 | 8 |
| 1.07 Favoritism in decisions of government officials | 5.1 | 7 | 6.07 No. days to start a business* | 14 | 66 |
| 1.08 Wastefulness of government spending | 4.8 | 9 | 6.08 Agricultural policy costs | 4.1 | 56 |
| 1.09 Burden of government regulation | 4.8 | 6 | 6.09 Prevalence of trade barriers | 5.8 | 5 |
| 1.10 Efficiency of legal framework in settling disputes | 6.0 | 2 | 6.10 Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 Efficiency of legal framework in challenging regs. | 5.9 | 1 | 6.11 Prevalence of foreign ownership | 5.4 | 27 |
| 1.12 Transparency of government policymaking | 6.1 | 2 | 6.12 Business impact of rules on FDI | 5.0 | 39 |
| 1.13 Gov't services for improved business performance | 4.8 | 8 | 6.13 Burden of customs procedures | 6.1 | 2 |
| 1.14 Business costs of terrorism | 6.7 | 2 | 6.14 Imports as a percentage of GDP* | 41.3 | 83 |
| 1.15 Business costs of crime and violence | 6.4 | 3 | 6.15 Degree of customer orientation | 5.4 | 20 |
| 1.16 Organized crime | 6.7 | 4 | 6.16 Buyer sophistication | 4.9 | 4 |
| 1.17 Reliability of police services | 6.6 | 1 | 7th pillar: Labor market efficiency | | |
| 1.18 Ethical behavior of firms | 6.5 | 2 | 7.01 Cooperation in labor-employer relations | 5.2 | 16 |
| 1.19 Strength of auditing and reporting standards | 6.3 | 2 | 7.02 Flexibility of wage determination | 3.2 | 137 |
| 1.20 Efficacy of corporate boards | 5.4 | 9 | 7.03 Hiring and firing practices | 3.9 | 80 |
| 1.21 Protection of minority shareholders' interests | 6.1 | 1 | 7.04 Redundancy costs, weeks of salary* | 10 | 38 |
| 1.22 Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 Pay and productivity | 4.2 | 46 |
| 2nd pillar: Infrastructure | | | 7.06 Reliance on professional management | 6.3 | 2 |
| 2.01 Quality of overall infrastructure | 6.5 | 3 | 7.07 Brain drain | 5.1 | 12 |
| 2.02 Quality of roads | 6.1 | 9 | 7.08 Women in labor force, ratio to men* | 0.95 | 11 |
| 2.03 Quality of railroad infrastructure | 5.7 | 6 | 8th pillar: Financial market development | | |
| 2.04 Quality of port infrastructure | 6.3 | 7 | 8.01 Availability of financial services | 5.9 | 16 |
| 2.05 Quality of air transport infrastructure | 6.2 | 11 | 8.02 Affordability of financial services | 5.5 | 9 |
| 2.06 Available airline seat kms/week, millions* | 396.1 | 48 | 8.03 Financing through local equity market | 4.5 | 20 |
| 2.07 Quality of electricity supply | 6.6 | 11 | 8.04 Ease of access to loans | 4.4 | 9 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 166.0 | 8 | 8.05 Venture capital availability | 3.9 | 13 |
| 2.09 Fixed telephone lines/100 pop.* | 20.1 | 65 | 8.06 Soundness of banks | 6.5 | 6 |
| 3rd pillar: Macroeconomic environment | | | 8.07 Regulation of securities exchanges | 6.1 | 2 |
| 3.01 Government budget balance, % GDP* | -0.8 | 35 | 8.08 Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 Gross national savings, % GDP* | 21.0 | 68 | 9th pillar: Technological readiness | | |
| 3.03 Inflation, annual % change* | 3.3 | 34 | 9.01 Availability of latest technologies | 6.6 | 3 |
| 3.04 General government debt, % GDP* | 48.6 | 93 | 9.02 Firm-level technology absorption | 6.1 | 6 |
| 3.05 Country credit rating, 0-100 (best)* | 92.5 | 5 | 9.03 FDI and technology transfer | 4.4 | 87 |
| 4th pillar: Health and primary education | | | 9.04 Individuals using Internet, %* | 89.4 | 7 |
| 4.01 Business impact of malaria | n/appl. | 1 | 9.05 Broadband Internet subscriptions/100 pop.* | 29.5 | 16 |
| 4.02 Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 Int'l Internet bandwidth, kb/s per user* | 118.4 | 13 |
| 4.03 Business impact of tuberculosis | 6.8 | 2 | 9.07 Mobile broadband subscriptions/100 pop.* | 87.1 | 5 |
| 4.04 Tuberculosis cases/100,000 pop.* | 6.7 | 18 | 10th pillar: Market size | | |
| 4.05 Business impact of HIV/AIDS | 6.7 | 1 | 10.01 Domestic market size index, 1-7 (best)* | 4.0 | 52 |
| 4.06 HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 Foreign market size index, 1-7 (best)* | 4.7 | 56 |
| 4.07 Infant mortality, deaths/1,000 live births* | 2.4 | 7 | 11th pillar: Business sophistication | | |
| 4.08 Life expectancy, years* | 79.9 | 25 | 11.01 Local supplier quantity | 4.5 | 87 |
| 4.09 Quality of primary education | 6.8 | 1 | 11.02 Local supplier quality | 5.7 | 7 |
| 4.10 Primary education enrollment, net %* | 97.7 | 32 | 11.03 State of cluster development | 5.2 | 6 |
| 5th pillar: Higher education and training | | | 11.04 Nature of competitive advantage | 6.1 | 5 |
| 5.01 Secondary education enrollment, gross %* | 107.5 | 13 | 11.05 Value chain breadth | 5.6 | 7 |
| 5.02 Tertiary education enrollment, gross %* | 93.7 | 3 | 11.06 Control of international distribution | 5.0 | 17 |
| 5.03 Quality of the educational system | 5.8 | 2 | 11.07 Production process sophistication | 6.3 | 4 |
| 5.04 Quality of math and science education | 6.2 | 2 | 11.08 Extent of marketing | 5.3 | 20 |
| 5.05 Quality of management schools | 5.6 | 10 | 11.09 Willingness to delegate authority | 5.5 | 6 |
| 5.06 Internet access in schools | 6.4 | 3 | 12th pillar: Innovation | | |
| 5.07 Availability of research and training services | 5.7 | 8 | 12.01 Capacity for innovation | 5.6 | 4 |
| 5.08 Extent of staff training | 5.4 | 2 | 12.02 Quality of scientific research institutions | 5.5 | 13 |
| | | | 12.03 Company spending on R&D | 5.6 | 3 |
| | | | 12.04 University-industry collaboration in R&D | 5.6 | 4 |
| | | | 12.05 Gov't procurement of advanced tech products | 4.5 | 14 |
| | | | 12.06 Availability of scientists and engineers | 6.2 | 1 |
| | | | 12.07 PCT patents, applications/million pop.* | 277.1 | 3 |

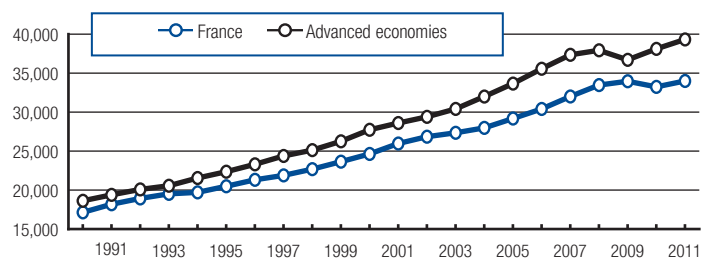
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

France

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 66.6 |
| GDP (US\$ billions)..... | 2,776.3 |
| GDP per capita (US\$)..... | 44,008 |
| GDP (PPP) as share (%) of world total..... | 2.81 |

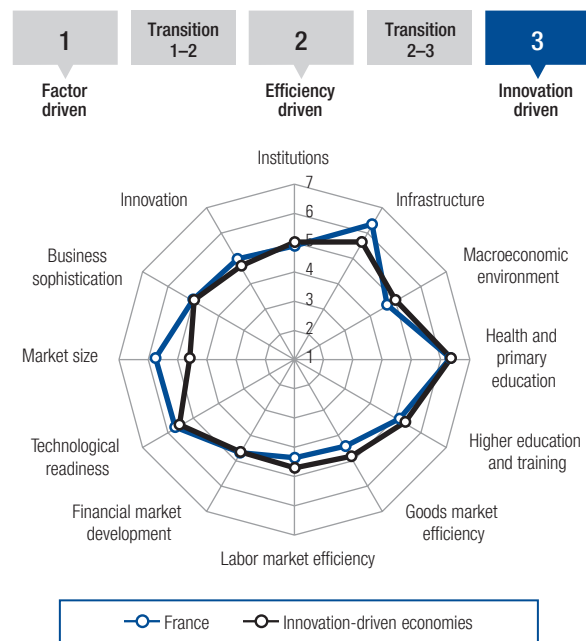
GDP (PPP) per capita (int'l \$), 1990–2011



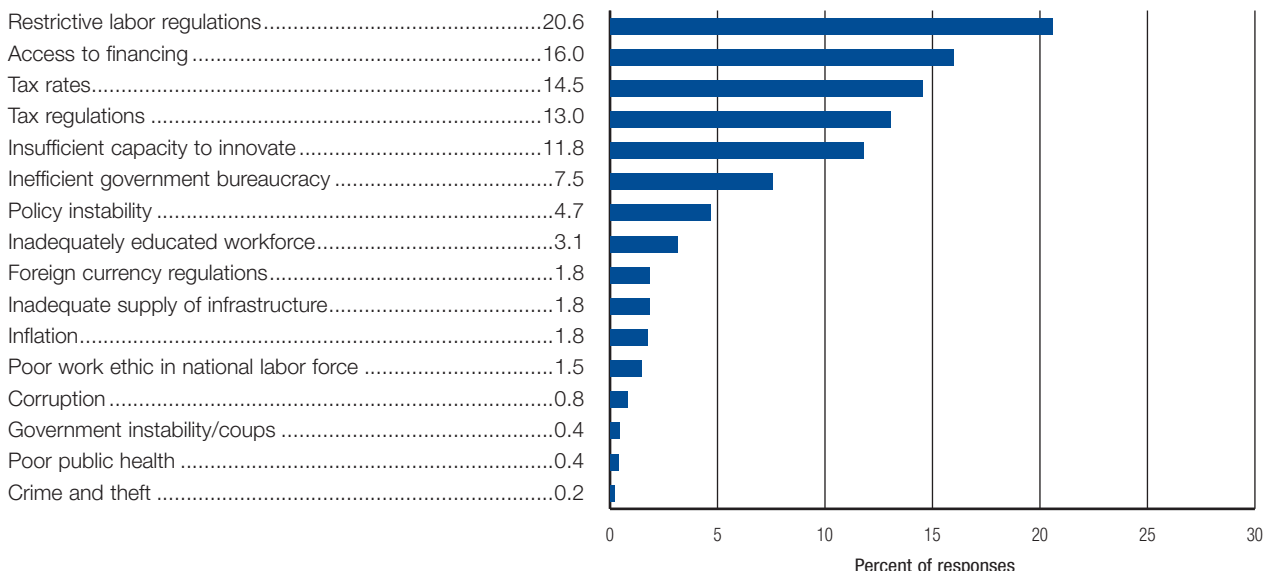
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 21 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 18 | 5.1 |
| GCI 2010–2011 (out of 139)..... | 15 | 5.1 |
| Basic requirements (20.0%) | 23 | 5.5 |
| Institutions..... | 32 | 4.8 |
| Infrastructure..... | 4 | 6.3 |
| Macroeconomic environment..... | 68 | 4.6 |
| Health and primary education..... | 21 | 6.3 |
| Efficiency enhancers (50.0%) | 18 | 5.0 |
| Higher education and training..... | 27 | 5.1 |
| Goods market efficiency..... | 46 | 4.5 |
| Labor market efficiency..... | 66 | 4.4 |
| Financial market development..... | 27 | 4.7 |
| Technological readiness..... | 14 | 5.7 |
| Market size..... | 8 | 5.8 |
| Innovation and sophistication factors (30.0%) | 18 | 5.0 |
| Business sophistication..... | 21 | 5.0 |
| Innovation..... | 17 | 4.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.7 | 18 | 6.01 | Intensity of local competition | 5.5 | 28 |
| 1.02 | Intellectual property protection | 5.6 | 9 | 6.02 | Extent of market dominance | 4.3 | 33 |
| 1.03 | Diversion of public funds | 4.8 | 29 | 6.03 | Effectiveness of anti-monopoly policy | 4.9 | 20 |
| 1.04 | Public trust in politicians | 3.4 | 44 | 6.04 | Extent and effect of taxation | 2.8 | 128 |
| 1.05 | Irregular payments and bribes | 5.4 | 32 | 6.05 | Total tax rate, % profits* | 65.7 | 128 |
| 1.06 | Judicial independence | 4.9 | 37 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.7 | 39 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 3.1 | 77 | 6.08 | Agricultural policy costs | 4.0 | 60 |
| 1.09 | Burden of government regulation | 2.7 | 126 | 6.09 | Prevalence of trade barriers | 4.7 | 35 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.4 | 37 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 27 | 6.11 | Prevalence of foreign ownership | 5.6 | 18 |
| 1.12 | Transparency of government policymaking | 4.6 | 47 | 6.12 | Business impact of rules on FDI | 4.6 | 71 |
| 1.13 | Gov't services for improved business performance | 3.6 | 70 | 6.13 | Burden of customs procedures | 4.6 | 39 |
| 1.14 | Business costs of terrorism | 5.2 | 93 | 6.14 | Imports as a percentage of GDP* | 30.8 | 114 |
| 1.15 | Business costs of crime and violence | 5.3 | 47 | 6.15 | Degree of customer orientation | 4.7 | 58 |
| 1.16 | Organized crime | 5.8 | 39 | 6.16 | Buyer sophistication | 3.8 | 43 |
| 1.17 | Reliability of police services | 5.3 | 33 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.4 | 23 | 7.01 | Cooperation in labor-employer relations | 3.3 | 137 |
| 1.19 | Strength of auditing and reporting standards | 5.3 | 34 | 7.02 | Flexibility of wage determination | 5.1 | 62 |
| 1.20 | Efficacy of corporate boards | 5.2 | 21 | 7.03 | Hiring and firing practices | 2.5 | 141 |
| 1.21 | Protection of minority shareholders' interests | 4.6 | 42 | 7.04 | Redundancy costs, weeks of salary* | 12 | 51 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.9 | 66 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.0 | 34 | |
| 2.01 | Quality of overall infrastructure | 6.4 | 5 | 7.07 | Brain drain | 3.7 | 50 |
| 2.02 | Quality of roads | 6.5 | 1 | 7.08 | Women in labor force, ratio to men* | 0.88 | 33 |
| 2.03 | Quality of railroad infrastructure | 6.3 | 4 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.4 | 26 | 8.01 | Availability of financial services | 5.6 | 25 |
| 2.05 | Quality of air transport infrastructure | 6.2 | 10 | 8.02 | Affordability of financial services | 5.0 | 28 |
| 2.06 | Available airline seat kms/week, millions* | 3,717.5 | 8 | 8.03 | Financing through local equity market | 4.7 | 12 |
| 2.07 | Quality of electricity supply | 6.7 | 9 | 8.04 | Ease of access to loans | 3.0 | 61 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 105.0 | 74 | 8.05 | Venture capital availability | 2.8 | 57 |
| 2.09 | Fixed telephone lines/100 pop.* | 55.9 | 7 | 8.06 | Soundness of banks | 5.4 | 54 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.1 | 30 | |
| 3.01 | Government budget balance, % GDP* | -5.3 | 114 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 18.8 | 75 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.3 | 1 | 9.01 | Availability of latest technologies | 6.3 | 16 |
| 3.04 | General government debt, % GDP* | 86.3 | 130 | 9.02 | Firm-level technology absorption | 5.5 | 35 |
| 3.05 | Country credit rating, 0-100 (best)* | 85.2 | 16 | 9.03 | FDI and technology transfer | 4.8 | 59 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 79.6 | 16 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 36.1 | 7 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 78.6 | 19 |
| 4.03 | Business impact of tuberculosis | 6.3 | 26 | 9.07 | Mobile broadband subscriptions/100 pop.* | 44.0 | 18 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 9.3 | 28 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.7 | 47 | 10.01 | Domestic market size index, 1-7 (best)* | 5.7 | 8 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 6.0 | 13 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.4 | 17 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.4 | 11 | 11.01 | Local supplier quantity | 5.2 | 26 |
| 4.09 | Quality of primary education | 4.6 | 37 | 11.02 | Local supplier quality | 5.5 | 15 |
| 4.10 | Primary education enrollment, net %* | 98.5 | 22 | 11.03 | State of cluster development | 4.5 | 30 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.5 | 15 | |
| 5.01 | Secondary education enrollment, gross %* | 113.2 | 8 | 11.05 | Value chain breadth | 5.4 | 9 |
| 5.02 | Tertiary education enrollment, gross %* | 54.5 | 45 | 11.06 | Control of international distribution | 4.4 | 33 |
| 5.03 | Quality of the educational system | 4.2 | 41 | 11.07 | Production process sophistication | 5.4 | 19 |
| 5.04 | Quality of math and science education | 4.9 | 25 | 11.08 | Extent of marketing | 5.6 | 11 |
| 5.05 | Quality of management schools | 5.6 | 8 | 11.09 | Willingness to delegate authority | 3.5 | 88 |
| 5.06 | Internet access in schools | 4.4 | 59 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.4 | 15 | 12.01 | Capacity for innovation | 5.0 | 10 |
| 5.08 | Extent of staff training | 4.3 | 41 | 12.02 | Quality of scientific research institutions | 5.5 | 15 |
| | | | | 12.03 | Company spending on R&D | 4.6 | 19 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.4 | 33 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 49 |
| | | | | 12.06 | Availability of scientists and engineers | 4.9 | 22 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 110.2 | 14 |

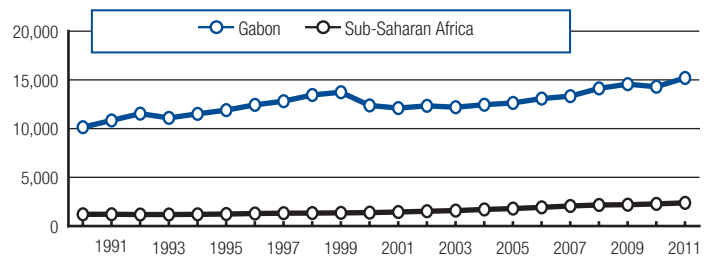
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Gabon

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.5 |
| GDP (US\$ billions)..... | 16.2 |
| GDP per capita (US\$)..... | 10,654 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

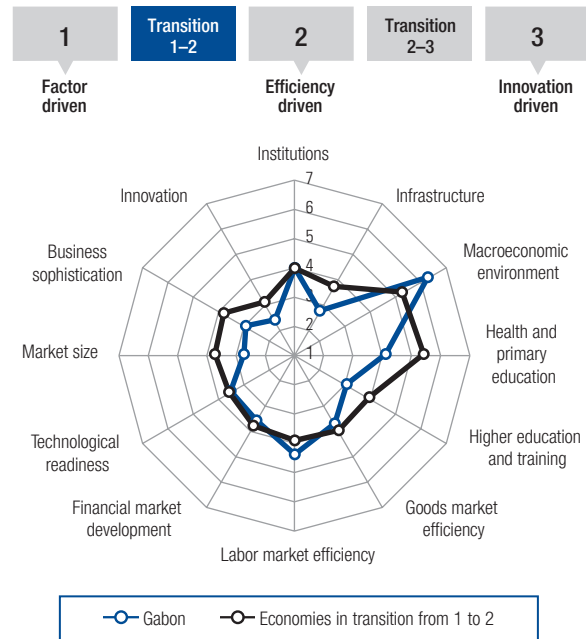
GDP (PPP) per capita (int'l \$), 1990–2011



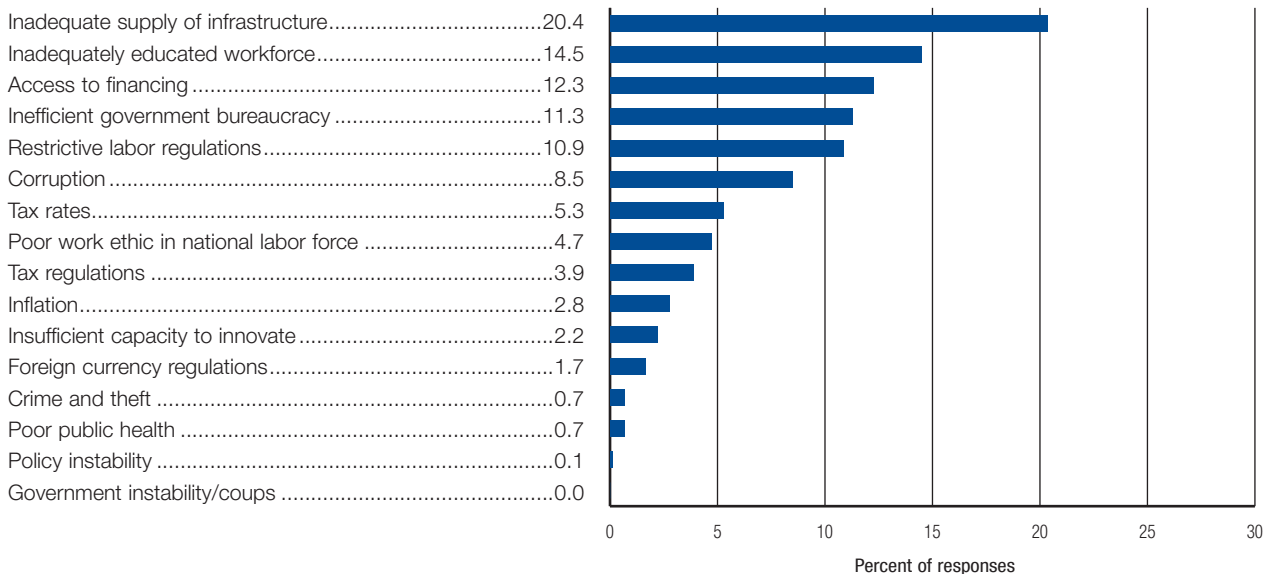
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 99 | 3.8 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (50.5%) | 86 | 4.3 |
| Institutions..... | 67 | 3.9 |
| Infrastructure..... | 117 | 2.7 |
| Macroeconomic environment..... | 9 | 6.2 |
| Health and primary education..... | 128 | 4.1 |
| Efficiency enhancers (42.1%) | 116 | 3.5 |
| Higher education and training..... | 122 | 3.1 |
| Goods market efficiency..... | 126 | 3.7 |
| Labor market efficiency..... | 63 | 4.4 |
| Financial market development..... | 106 | 3.6 |
| Technological readiness..... | 86 | 3.5 |
| Market size..... | 110 | 2.7 |
| Innovation and sophistication factors (7.4%) | 139 | 2.6 |
| Business sophistication..... | 141 | 2.9 |
| Innovation..... | 136 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.9 | 44 | 6.01 | Intensity of local competition | 3.8 | 132 |
| 1.02 | Intellectual property protection | 3.1 | 99 | 6.02 | Extent of market dominance | 2.8 | 136 |
| 1.03 | Diversion of public funds | 2.7 | 102 | 6.03 | Effectiveness of anti-monopoly policy | 3.2 | 128 |
| 1.04 | Public trust in politicians | 3.1 | 55 | 6.04 | Extent and effect of taxation | 3.6 | 63 |
| 1.05 | Irregular payments and bribes | 3.8 | 77 | 6.05 | Total tax rate, % profits* | 43.5 | 86 |
| 1.06 | Judicial independence | 2.6 | 117 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 69 | 6.07 | No. days to start a business* | 58 | 129 |
| 1.08 | Wastefulness of government spending | 3.3 | 64 | 6.08 | Agricultural policy costs | 4.0 | 61 |
| 1.09 | Burden of government regulation | 4.2 | 19 | 6.09 | Prevalence of trade barriers | 3.3 | 139 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 60 | 6.10 | Trade tariffs, % duty* | 0.1 | 4 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 50 | 6.11 | Prevalence of foreign ownership | 5.3 | 39 |
| 1.12 | Transparency of government policymaking | 4.7 | 39 | 6.12 | Business impact of rules on FDI | 4.9 | 43 |
| 1.13 | Gov't services for improved business performance | 3.2 | 98 | 6.13 | Burden of customs procedures | 3.6 | 99 |
| 1.14 | Business costs of terrorism | 5.9 | 49 | 6.14 | Imports as a percentage of GDP* | 34.3 | 102 |
| 1.15 | Business costs of crime and violence | 5.3 | 48 | 6.15 | Degree of customer orientation | 4.2 | 106 |
| 1.16 | Organized crime | 6.0 | 31 | 6.16 | Buyer sophistication | 2.7 | 120 |
| 1.17 | Reliability of police services | 3.7 | 99 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.3 | 49 | 7.01 | Cooperation in labor-employer relations | 4.2 | 82 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 85 | 7.02 | Flexibility of wage determination | 4.7 | 99 |
| 1.20 | Efficacy of corporate boards | 4.8 | 44 | 7.03 | Hiring and firing practices | 3.2 | 119 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 113 | 7.04 | Redundancy costs, weeks of salary* | 15 | 68 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.3 | 125 | 7.05 | Pay and productivity | 4.0 | 63 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.5 | 51 | |
| 2.01 | Quality of overall infrastructure | 3.3 | 114 | 7.07 | Brain drain | 3.5 | 65 |
| 2.02 | Quality of roads | 2.3 | 138 | 7.08 | Women in labor force, ratio to men* | 0.86 | 45 |
| 2.03 | Quality of railroad infrastructure | 2.6 | 67 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.6 | 138 | 8.01 | Availability of financial services | 3.6 | 124 |
| 2.05 | Quality of air transport infrastructure | 3.7 | 108 | 8.02 | Affordability of financial services | 3.4 | 121 |
| 2.06 | Available airline seat kms/week, millions* | 22.5 | 117 | 8.03 | Financing through local equity market | 3.1 | 89 |
| 2.07 | Quality of electricity supply | 2.5 | 123 | 8.04 | Ease of access to loans | 2.6 | 87 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 117.3 | 48 | 8.05 | Venture capital availability | 2.3 | 100 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.0 | 120 | 8.06 | Soundness of banks | 5.0 | 79 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.1 | 127 | |
| 3.01 | Government budget balance, % GDP* | 2.1 | 18 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 40.5 | 12 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.3 | 1 | 9.01 | Availability of latest technologies | 4.1 | 121 |
| 3.04 | General government debt, % GDP* | 20.5 | 25 | 9.02 | Firm-level technology absorption | 4.4 | 97 |
| 3.05 | Country credit rating, 0-100 (best)* | 37.8 | 83 | 9.03 | FDI and technology transfer | 4.5 | 84 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 8.0 | 123 | |
| 4.01 | Business impact of malaria | 3.1 | 132 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3 | 112 |
| 4.02 | Malaria cases/100,000 pop.* | 19,021.1 | 126 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 46.2 | 34 |
| 4.03 | Business impact of tuberculosis | 3.8 | 127 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 553.0 | 138 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.7 | 127 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 116 |
| 4.06 | HIV prevalence, % adult pop.* | 5.2 | 131 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6 | 95 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 54.4 | 117 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 62.3 | 114 | 11.01 | Local supplier quantity | 3.2 | 144 |
| 4.09 | Quality of primary education | 2.6 | 124 | 11.02 | Local supplier quality | 3.8 | 124 |
| 4.10 | Primary education enrollment, net %* | 80.0 | 124 | 11.03 | State of cluster development | 3.1 | 108 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.5 | 136 | |
| 5.01 | Secondary education enrollment, gross %* | 53.1 | 115 | 11.05 | Value chain breadth | 2.3 | 142 |
| 5.02 | Tertiary education enrollment, gross %* | n/a | n/a | 11.06 | Control of international distribution | 2.8 | 143 |
| 5.03 | Quality of the educational system | 2.7 | 127 | 11.07 | Production process sophistication | 2.5 | 136 |
| 5.04 | Quality of math and science education | 2.8 | 123 | 11.08 | Extent of marketing | 2.5 | 137 |
| 5.05 | Quality of management schools | 3.1 | 130 | 11.09 | Willingness to delegate authority | 2.9 | 134 |
| 5.06 | Internet access in schools | 1.7 | 142 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.6 | 139 | 12.01 | Capacity for innovation | 2.0 | 141 |
| 5.08 | Extent of staff training | 3.7 | 93 | 12.02 | Quality of scientific research institutions | 2.7 | 123 |
| | | | | 12.03 | Company spending on R&D | 2.2 | 136 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.2 | 140 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.0 | 117 |
| | | | | 12.06 | Availability of scientists and engineers | 3.1 | 133 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 93 |

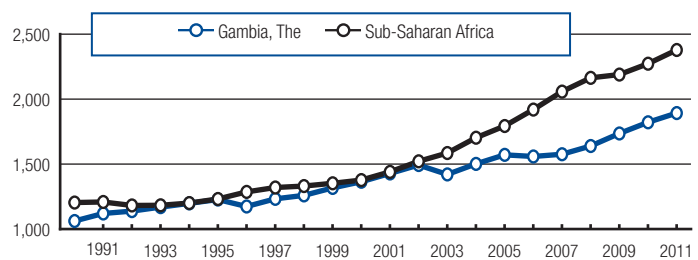
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Gambia, The

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 1.8 |
| GDP (US\$ billions)..... | 1.0 |
| GDP per capita (US\$)..... | 543 |
| GDP (PPP) as share (%) of world total..... | 0.00 |

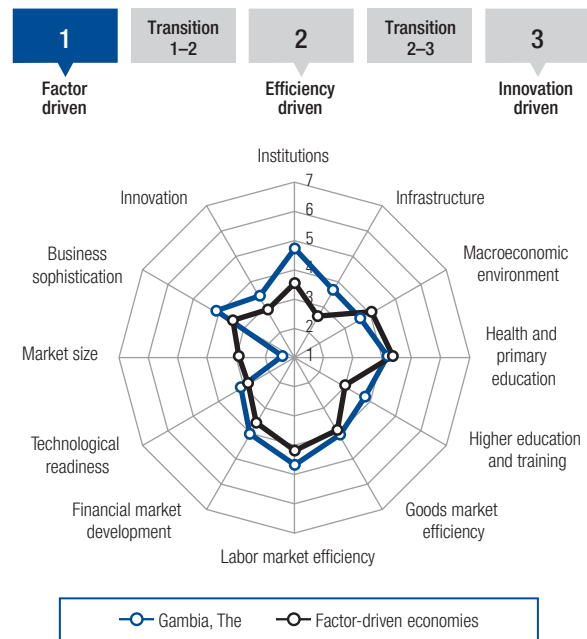
GDP (PPP) per capita (int'l \$), 1990–2011



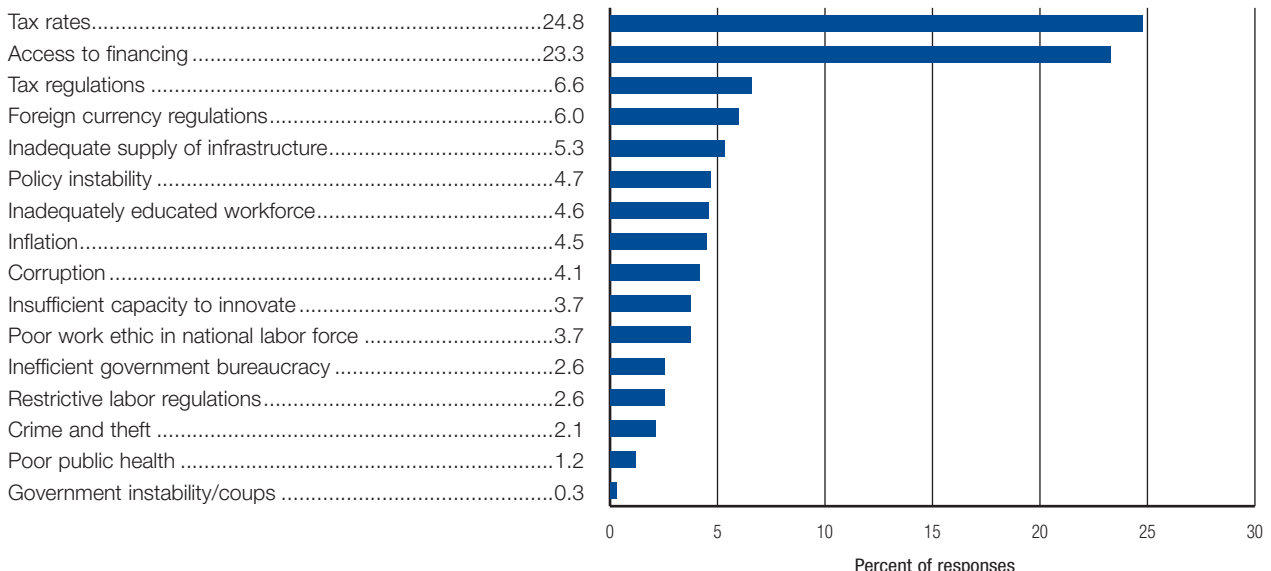
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 98 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 99 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 90 | 3.9 |
| Basic requirements (60.0%) | 103 | 4.0 |
| Institutions..... | 35 | 4.7 |
| Infrastructure..... | 82 | 3.6 |
| Macroeconomic environment..... | 129 | 3.6 |
| Health and primary education..... | 126 | 4.2 |
| Efficiency enhancers (35.0%) | 114 | 3.5 |
| Higher education and training..... | 94 | 3.8 |
| Goods market efficiency..... | 94 | 4.1 |
| Labor market efficiency..... | 31 | 4.7 |
| Financial market development..... | 69 | 4.1 |
| Technological readiness..... | 109 | 3.1 |
| Market size..... | 141 | 1.4 |
| Innovation and sophistication factors (5.0%) | 54 | 3.7 |
| Business sophistication..... | 59 | 4.1 |
| Innovation..... | 52 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Gambia, The

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.9 | 45 | 6.01 | Intensity of local competition | 4.7 | 82 |
| 1.02 | Intellectual property protection | 4.7 | 36 | 6.02 | Extent of market dominance | 4.3 | 37 |
| 1.03 | Diversion of public funds | 4.5 | 35 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 50 |
| 1.04 | Public trust in politicians | 4.4 | 18 | 6.04 | Extent and effect of taxation | 3.5 | 67 |
| 1.05 | Irregular payments and bribes | 4.4 | 51 | 6.05 | Total tax rate, % profits* | 283.5 | 141 |
| 1.06 | Judicial independence | 4.3 | 49 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 4.3 | 17 | 6.07 | No. days to start a business* | 27 | 96 |
| 1.08 | Wastefulness of government spending | 4.7 | 12 | 6.08 | Agricultural policy costs | 4.8 | 10 |
| 1.09 | Burden of government regulation | 4.4 | 12 | 6.09 | Prevalence of trade barriers | 4.6 | 44 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.9 | 21 | 6.10 | Trade tariffs, % duty* | 17.9 | 137 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 26 | 6.11 | Prevalence of foreign ownership | 5.3 | 38 |
| 1.12 | Transparency of government policymaking | 4.7 | 44 | 6.12 | Business impact of rules on FDI | 5.2 | 28 |
| 1.13 | Gov't services for improved business performance | 4.8 | 9 | 6.13 | Burden of customs procedures | 4.9 | 25 |
| 1.14 | Business costs of terrorism | 5.6 | 65 | 6.14 | Imports as a percentage of GDP* | 36.8 | 95 |
| 1.15 | Business costs of crime and violence | 5.3 | 45 | 6.15 | Degree of customer orientation | 5.1 | 32 |
| 1.16 | Organized crime | 5.8 | 41 | 6.16 | Buyer sophistication | 3.2 | 89 |
| 1.17 | Reliability of police services | 4.9 | 44 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.7 | 38 | 7.01 | Cooperation in labor-employer relations | 5.1 | 24 |
| 1.19 | Strength of auditing and reporting standards | 4.9 | 52 | 7.02 | Flexibility of wage determination | 5.2 | 57 |
| 1.20 | Efficacy of corporate boards | 5.1 | 25 | 7.03 | Hiring and firing practices | 4.4 | 40 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 35 | 7.04 | Redundancy costs, weeks of salary* | 26 | 111 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 2.7 | 138 | 7.05 | Pay and productivity | 4.3 | 36 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.9 | 37 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 63 | 7.07 | Brain drain | 4.3 | 33 |
| 2.02 | Quality of roads | 4.5 | 51 | 7.08 | Women in labor force, ratio to men* | 0.88 | 35 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.8 | 47 | 8.01 | Availability of financial services | 4.6 | 69 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 62 | 8.02 | Affordability of financial services | 4.6 | 38 |
| 2.06 | Available airline seat kms/week, millions* | 12.6 | 130 | 8.03 | Financing through local equity market | 3.5 | 66 |
| 2.07 | Quality of electricity supply | 4.1 | 89 | 8.04 | Ease of access to loans | 2.7 | 73 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 89.0 | 97 | 8.05 | Venture capital availability | 2.6 | 66 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.8 | 116 | 8.06 | Soundness of banks | 5.4 | 60 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 63 | |
| 3.01 | Government budget balance, % GDP* | -4.4 | 103 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 3.6 | 137 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.8 | 71 | 9.01 | Availability of latest technologies | 4.9 | 71 |
| 3.04 | General government debt, % GDP* | 68.8 | 113 | 9.02 | Firm-level technology absorption | 4.8 | 68 |
| 3.05 | Country credit rating, 0-100 (best)* | 21.1 | 124 | 9.03 | FDI and technology transfer | 4.6 | 76 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 10.9 | 117 | |
| 4.01 | Business impact of malaria | 3.4 | 130 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 134 |
| 4.02 | Malaria cases/100,000 pop.* | 28,226.0 | 134 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.7 | 128 |
| 4.03 | Business impact of tuberculosis | 4.5 | 106 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.5 | 116 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 273.0 | 125 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.8 | 96 | 10.01 | Domestic market size index, 1-7 (best)* | 1.4 | 141 |
| 4.06 | HIV prevalence, % adult pop.* | 2.0 | 123 | 10.02 | Foreign market size index, 1-7 (best)* | 1.5 | 142 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 56.9 | 121 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 58.2 | 121 | 11.01 | Local supplier quantity | 4.8 | 66 |
| 4.09 | Quality of primary education | 4.6 | 32 | 11.02 | Local supplier quality | 4.9 | 47 |
| 4.10 | Primary education enrollment, net %* | 65.5 | 135 | 11.03 | State of cluster development | 3.9 | 59 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 54 | |
| 5.01 | Secondary education enrollment, gross %* | 54.1 | 114 | 11.05 | Value chain breadth | 3.6 | 71 |
| 5.02 | Tertiary education enrollment, gross %* | 4.1 | 129 | 11.06 | Control of international distribution | 4.1 | 64 |
| 5.03 | Quality of the educational system | 4.6 | 29 | 11.07 | Production process sophistication | 3.5 | 77 |
| 5.04 | Quality of math and science education | 4.0 | 74 | 11.08 | Extent of marketing | 3.8 | 88 |
| 5.05 | Quality of management schools | 4.9 | 31 | 11.09 | Willingness to delegate authority | 4.3 | 35 |
| 5.06 | Internet access in schools | 4.0 | 77 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 52 | 12.01 | Capacity for innovation | 3.3 | 52 |
| 5.08 | Extent of staff training | 4.7 | 22 | 12.02 | Quality of scientific research institutions | 3.7 | 61 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 54 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 58 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.5 | 13 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 115 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

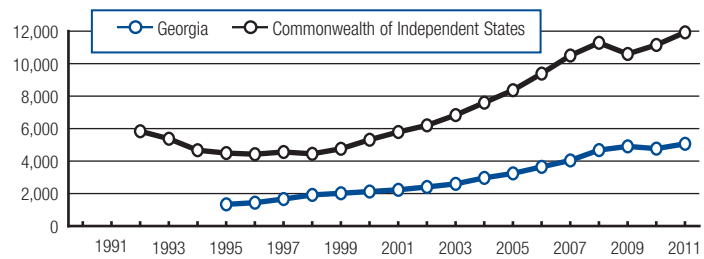
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Georgia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 4.5 |
| GDP (US\$ billions)..... | 14.3 |
| GDP per capita (US\$)..... | 3,210 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

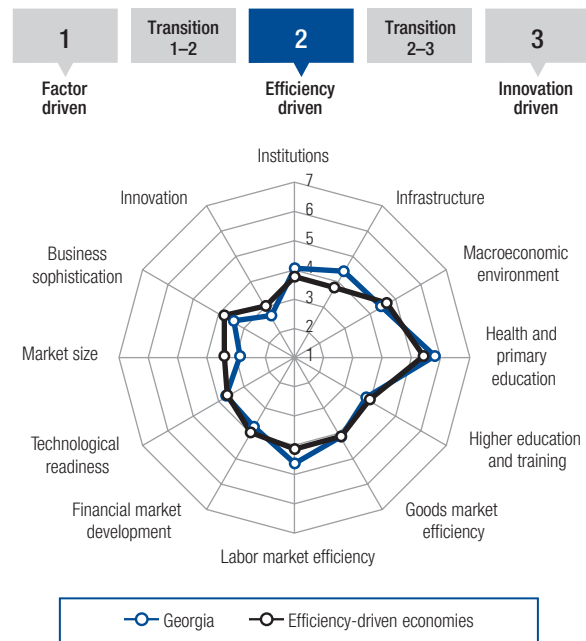
GDP (PPP) per capita (int'l \$), 1990–2011



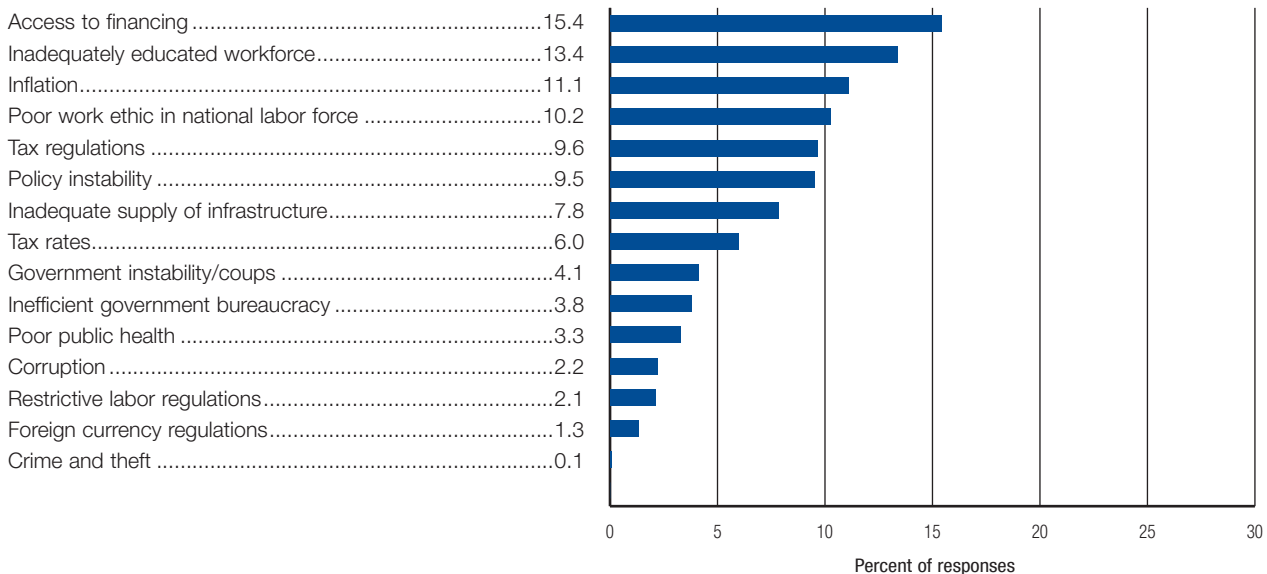
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 77 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 88 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 93 | 3.9 |
| Basic requirements (40.0%) | 64 | 4.6 |
| Institutions..... | 61 | 4.0 |
| Infrastructure..... | 53 | 4.3 |
| Macroeconomic environment..... | 88 | 4.4 |
| Health and primary education..... | 61 | 5.8 |
| Efficiency enhancers (50.0%) | 87 | 3.8 |
| Higher education and training..... | 93 | 3.8 |
| Goods market efficiency..... | 82 | 4.2 |
| Labor market efficiency..... | 35 | 4.7 |
| Financial market development..... | 93 | 3.8 |
| Technological readiness..... | 76 | 3.7 |
| Market size..... | 99 | 2.9 |
| Innovation and sophistication factors (10.0%) | 120 | 3.0 |
| Business sophistication..... | 113 | 3.4 |
| Innovation..... | 126 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.1 | 131 | 6.01 | Intensity of local competition | 3.9 | 127 |
| 1.02 | Intellectual property protection | 2.6 | 126 | 6.02 | Extent of market dominance | 3.2 | 121 |
| 1.03 | Diversion of public funds | 4.7 | 30 | 6.03 | Effectiveness of anti-monopoly policy | 2.9 | 141 |
| 1.04 | Public trust in politicians | 3.0 | 63 | 6.04 | Extent and effect of taxation | 3.9 | 38 |
| 1.05 | Irregular payments and bribes | 5.6 | 26 | 6.05 | Total tax rate, % profits* | 16.5 | 11 |
| 1.06 | Judicial independence | 3.2 | 95 | 6.06 | No. procedures to start a business* | 2 | 3 |
| 1.07 | Favoritism in decisions of government officials | 3.4 | 51 | 6.07 | No. days to start a business* | 2 | 2 |
| 1.08 | Wastefulness of government spending | 3.5 | 52 | 6.08 | Agricultural policy costs | 3.1 | 128 |
| 1.09 | Burden of government regulation | 4.6 | 9 | 6.09 | Prevalence of trade barriers | 5.0 | 21 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.4 | 89 | 6.10 | Trade tariffs, % duty* | 1.0 | 33 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.1 | 106 | 6.11 | Prevalence of foreign ownership | 3.9 | 121 |
| 1.12 | Transparency of government policymaking | 4.8 | 36 | 6.12 | Business impact of rules on FDI | 4.8 | 51 |
| 1.13 | Gov't services for improved business performance | n/a | n/a | 6.13 | Burden of customs procedures | 5.2 | 13 |
| 1.14 | Business costs of terrorism | 5.5 | 81 | 6.14 | Imports as a percentage of GDP* | 57.6 | 45 |
| 1.15 | Business costs of crime and violence | 5.1 | 56 | 6.15 | Degree of customer orientation | 3.9 | 120 |
| 1.16 | Organized crime | 5.2 | 75 | 6.16 | Buyer sophistication | 3.0 | 106 |
| 1.17 | Reliability of police services | 5.1 | 37 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.1 | 55 | 7.01 | Cooperation in labor-employer relations | 4.3 | 63 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 94 | 7.02 | Flexibility of wage determination | 5.4 | 42 |
| 1.20 | Efficacy of corporate boards | 4.2 | 100 | 7.03 | Hiring and firing practices | 5.0 | 9 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 114 | 7.04 | Redundancy costs, weeks of salary* | 4 | 13 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 4.1 | 55 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 92 | |
| 2.01 | Quality of overall infrastructure | 4.6 | 55 | 7.07 | Brain drain | 3.0 | 104 |
| 2.02 | Quality of roads | 4.4 | 56 | 7.08 | Women in labor force, ratio to men* | 0.77 | 79 |
| 2.03 | Quality of railroad infrastructure | 4.0 | 34 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.3 | 65 | 8.01 | Availability of financial services | 3.9 | 100 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 82 | 8.02 | Affordability of financial services | 3.9 | 85 |
| 2.06 | Available airline seat kms/week, millions* | 29.4 | 110 | 8.03 | Financing through local equity market | 2.4 | 126 |
| 2.07 | Quality of electricity supply | 5.5 | 46 | 8.04 | Ease of access to loans | 2.5 | 93 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 102.3 | 83 | 8.05 | Venture capital availability | 2.2 | 104 |
| 2.09 | Fixed telephone lines/100 pop.* | 31.0 | 40 | 8.06 | Soundness of banks | 4.7 | 92 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 119 | |
| 3.01 | Government budget balance, % GDP* | -0.9 | 37 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 10.9 | 122 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.5 | 115 | 9.01 | Availability of latest technologies | 4.6 | 94 |
| 3.04 | General government debt, % GDP* | 33.9 | 53 | 9.02 | Firm-level technology absorption | 4.0 | 123 |
| 3.05 | Country credit rating, 0-100 (best)* | 35.7 | 91 | 9.03 | FDI and technology transfer | 4.2 | 101 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 36.6 | 75 | |
| 4.01 | Business impact of malaria | 5.7 | 86 | 9.05 | Broadband Internet subscriptions/100 pop.* | 7.6 | 66 |
| 4.02 | Malaria cases/100,000 pop.* | 0.2 | 75 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 15.8 | 70 |
| 4.03 | Business impact of tuberculosis | 4.9 | 91 | 9.07 | Mobile broadband subscriptions/100 pop.* | 20.5 | 48 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 107.0 | 96 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 76 | 10.01 | Domestic market size index, 1-7 (best)* | 2.7 | 96 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 3.2 | 114 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 20.0 | 84 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.3 | 73 | 11.01 | Local supplier quantity | 3.7 | 137 |
| 4.09 | Quality of primary education | 3.4 | 91 | 11.02 | Local supplier quality | 3.6 | 131 |
| 4.10 | Primary education enrollment, net %* | 99.6 | 7 | 11.03 | State of cluster development | 3.0 | 116 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.3 | 81 | |
| 5.01 | Secondary education enrollment, gross %* | 86.2 | 80 | 11.05 | Value chain breadth | 3.4 | 84 |
| 5.02 | Tertiary education enrollment, gross %* | 28.2 | 77 | 11.06 | Control of international distribution | 3.6 | 105 |
| 5.03 | Quality of the educational system | 3.0 | 114 | 11.07 | Production process sophistication | 3.1 | 112 |
| 5.04 | Quality of math and science education | 3.5 | 101 | 11.08 | Extent of marketing | 3.6 | 104 |
| 5.05 | Quality of management schools | 3.6 | 110 | 11.09 | Willingness to delegate authority | 3.0 | 127 |
| 5.06 | Internet access in schools | 4.3 | 65 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 119 | 12.01 | Capacity for innovation | 2.5 | 116 |
| 5.08 | Extent of staff training | 3.6 | 101 | 12.02 | Quality of scientific research institutions | 2.6 | 125 |
| | | | | 12.03 | Company spending on R&D | 2.5 | 125 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.5 | 134 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 61 |
| | | | | 12.06 | Availability of scientists and engineers | 3.3 | 124 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.5 | 60 |

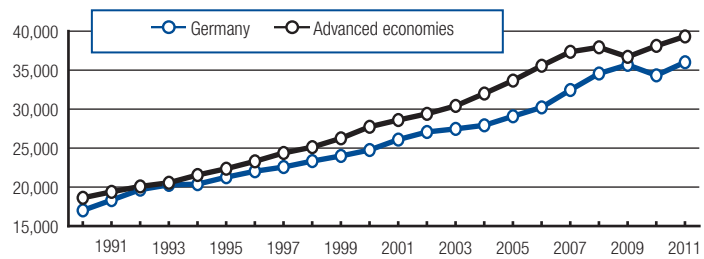
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Germany

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 86.5 |
| GDP (US\$ billions)..... | 3,577.0 |
| GDP per capita (US\$)..... | 43,742 |
| GDP (PPP) as share (%) of world total..... | 3.93 |

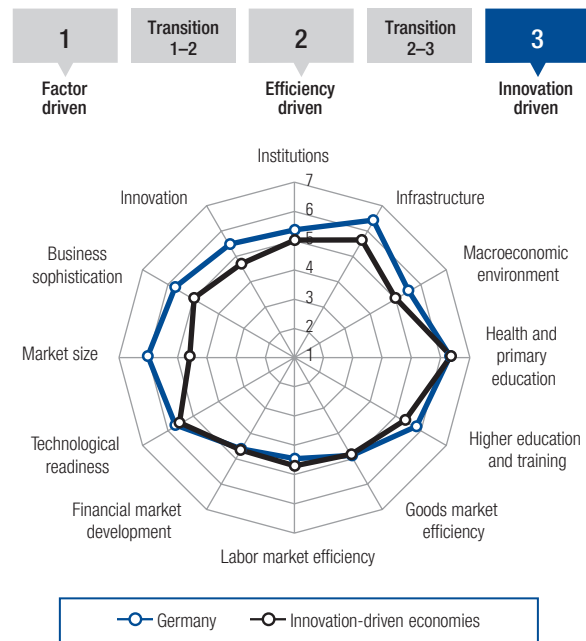
GDP (PPP) per capita (int'l \$), 1990–2011



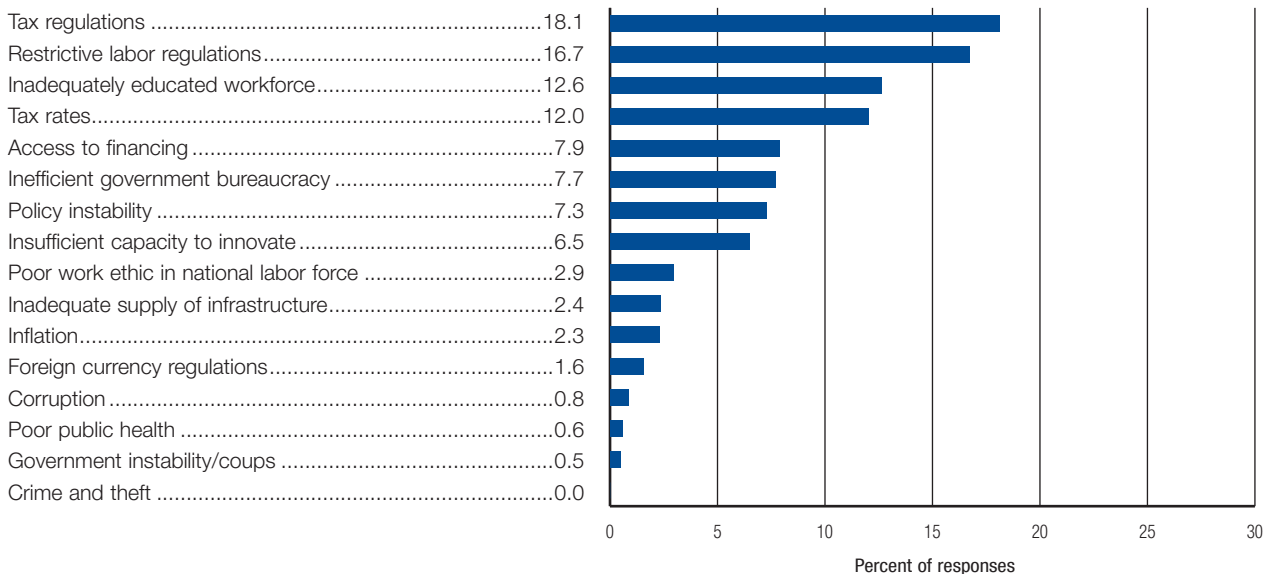
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 6 | 5.5 |
| GCI 2011–2012 (out of 142)..... | 6 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 5 | 5.4 |
| Basic requirements (20.0%) | 11 | 5.9 |
| Institutions..... | 16 | 5.3 |
| Infrastructure..... | 3 | 6.4 |
| Macroeconomic environment..... | 30 | 5.5 |
| Health and primary education..... | 22 | 6.3 |
| Efficiency enhancers (50.0%) | 10 | 5.3 |
| Higher education and training..... | 5 | 5.8 |
| Goods market efficiency..... | 21 | 4.9 |
| Labor market efficiency..... | 53 | 4.5 |
| Financial market development..... | 32 | 4.7 |
| Technological readiness..... | 15 | 5.7 |
| Market size..... | 5 | 6.0 |
| Innovation and sophistication factors (30.0%) | 4 | 5.6 |
| Business sophistication..... | 3 | 5.7 |
| Innovation..... | 7 | 5.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Germany

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.8 | 14 | 6.01 | Intensity of local competition | 5.8 | 8 |
| 1.02 | Intellectual property protection | 5.6 | 10 | 6.02 | Extent of market dominance | 5.8 | 2 |
| 1.03 | Diversion of public funds | 5.5 | 16 | 6.03 | Effectiveness of anti-monopoly policy | 4.8 | 24 |
| 1.04 | Public trust in politicians | 3.7 | 33 | 6.04 | Extent and effect of taxation | 3.5 | 74 |
| 1.05 | Irregular payments and bribes | 5.9 | 18 | 6.05 | Total tax rate, % profits* | 46.7 | 103 |
| 1.06 | Judicial independence | 6.2 | 7 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 4.5 | 15 | 6.07 | No. days to start a business* | 15 | 71 |
| 1.08 | Wastefulness of government spending | 4.0 | 28 | 6.08 | Agricultural policy costs | 3.9 | 74 |
| 1.09 | Burden of government regulation | 3.4 | 71 | 6.09 | Prevalence of trade barriers | 4.7 | 38 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.9 | 20 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.0 | 13 | 6.11 | Prevalence of foreign ownership | 5.1 | 44 |
| 1.12 | Transparency of government policymaking | 5.0 | 27 | 6.12 | Business impact of rules on FDI | 4.6 | 72 |
| 1.13 | Gov't services for improved business performance | 4.5 | 22 | 6.13 | Burden of customs procedures | 4.9 | 29 |
| 1.14 | Business costs of terrorism | 5.8 | 56 | 6.14 | Imports as a percentage of GDP* | 43.0 | 77 |
| 1.15 | Business costs of crime and violence | 5.8 | 20 | 6.15 | Degree of customer orientation | 5.4 | 15 |
| 1.16 | Organized crime | 6.0 | 32 | 6.16 | Buyer sophistication | 4.5 | 15 |
| 1.17 | Reliability of police services | 5.9 | 20 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.8 | 14 | 7.01 | Cooperation in labor-employer relations | 5.2 | 20 |
| 1.19 | Strength of auditing and reporting standards | 5.5 | 26 | 7.02 | Flexibility of wage determination | 3.2 | 139 |
| 1.20 | Efficacy of corporate boards | 5.2 | 17 | 7.03 | Hiring and firing practices | 3.1 | 127 |
| 1.21 | Protection of minority shareholders' interests | 4.9 | 26 | 7.04 | Redundancy costs, weeks of salary* | 22 | 95 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.3 | 41 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.6 | 15 | |
| 2.01 | Quality of overall infrastructure | 6.2 | 9 | 7.07 | Brain drain | 4.7 | 23 |
| 2.02 | Quality of roads | 6.1 | 10 | 7.08 | Women in labor force, ratio to men* | 0.86 | 49 |
| 2.03 | Quality of railroad infrastructure | 5.7 | 7 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.0 | 9 | 8.01 | Availability of financial services | 5.8 | 18 |
| 2.05 | Quality of air transport infrastructure | 6.4 | 7 | 8.02 | Affordability of financial services | 5.1 | 26 |
| 2.06 | Available airline seat kms/week, millions* | 4,754.7 | 5 | 8.03 | Financing through local equity market | 4.3 | 33 |
| 2.07 | Quality of electricity supply | 6.4 | 19 | 8.04 | Ease of access to loans | 3.2 | 44 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 132.3 | 27 | 8.05 | Venture capital availability | 3.2 | 34 |
| 2.09 | Fixed telephone lines/100 pop.* | 63.0 | 2 | 8.06 | Soundness of banks | 5.1 | 75 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.8 | 35 | |
| 3.01 | Government budget balance, % GDP* | -1.0 | 40 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 23.7 | 54 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.5 | 1 | 9.01 | Availability of latest technologies | 6.3 | 17 |
| 3.04 | General government debt, % GDP* | 81.5 | 126 | 9.02 | Firm-level technology absorption | 5.9 | 16 |
| 3.05 | Country credit rating, 0-100 (best)* | 89.8 | 9 | 9.03 | FDI and technology transfer | 4.6 | 80 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 83.0 | 12 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 32.5 | 12 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 74.8 | 21 |
| 4.03 | Business impact of tuberculosis | 6.6 | 14 | 9.07 | Mobile broadband subscriptions/100 pop.* | 34.8 | 31 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.8 | 8 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.2 | 20 | 10.01 | Domestic market size index, 1-7 (best)* | 5.9 | 5 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 6.5 | 3 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.4 | 17 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.0 | 23 | 11.01 | Local supplier quantity | 5.8 | 2 |
| 4.09 | Quality of primary education | 4.7 | 30 | 11.02 | Local supplier quality | 6.1 | 4 |
| 4.10 | Primary education enrollment, net %* | 97.7 | 33 | 11.03 | State of cluster development | 5.1 | 8 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.1 | 4 | |
| 5.01 | Secondary education enrollment, gross %* | 103.3 | 20 | 11.05 | Value chain breadth | 6.1 | 1 |
| 5.02 | Tertiary education enrollment, gross %* | n/a | n/a | 11.06 | Control of international distribution | 5.3 | 3 |
| 5.03 | Quality of the educational system | 4.9 | 20 | 11.07 | Production process sophistication | 6.4 | 3 |
| 5.04 | Quality of math and science education | 4.7 | 29 | 11.08 | Extent of marketing | 5.7 | 7 |
| 5.05 | Quality of management schools | 4.9 | 32 | 11.09 | Willingness to delegate authority | 4.9 | 16 |
| 5.06 | Internet access in schools | 4.8 | 45 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 6.1 | 4 | 12.01 | Capacity for innovation | 5.7 | 3 |
| 5.08 | Extent of staff training | 5.0 | 13 | 12.02 | Quality of scientific research institutions | 5.6 | 10 |
| | | | | 12.03 | Company spending on R&D | 5.5 | 4 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.2 | 11 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.3 | 21 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 40 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 203.6 | 7 |

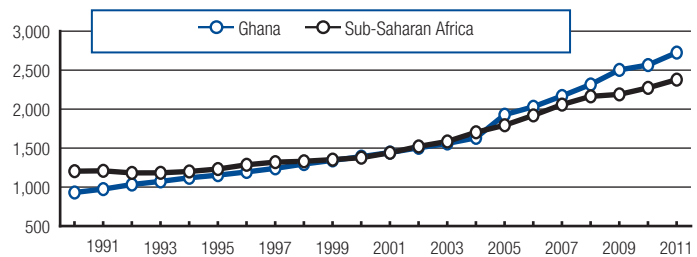
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Ghana

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 25.1 |
| GDP (US\$ billions)..... | 37.2 |
| GDP per capita (US\$)..... | 1,529 |
| GDP (PPP) as share (%) of world total..... | 0.10 |

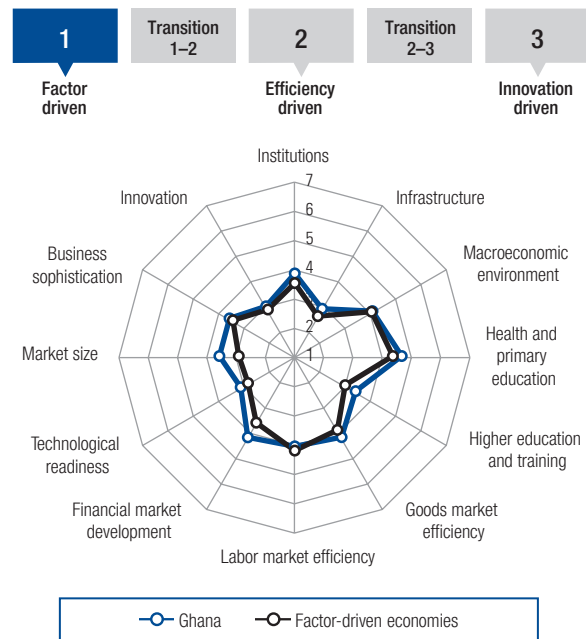
GDP (PPP) per capita (int'l \$), 1990–2011



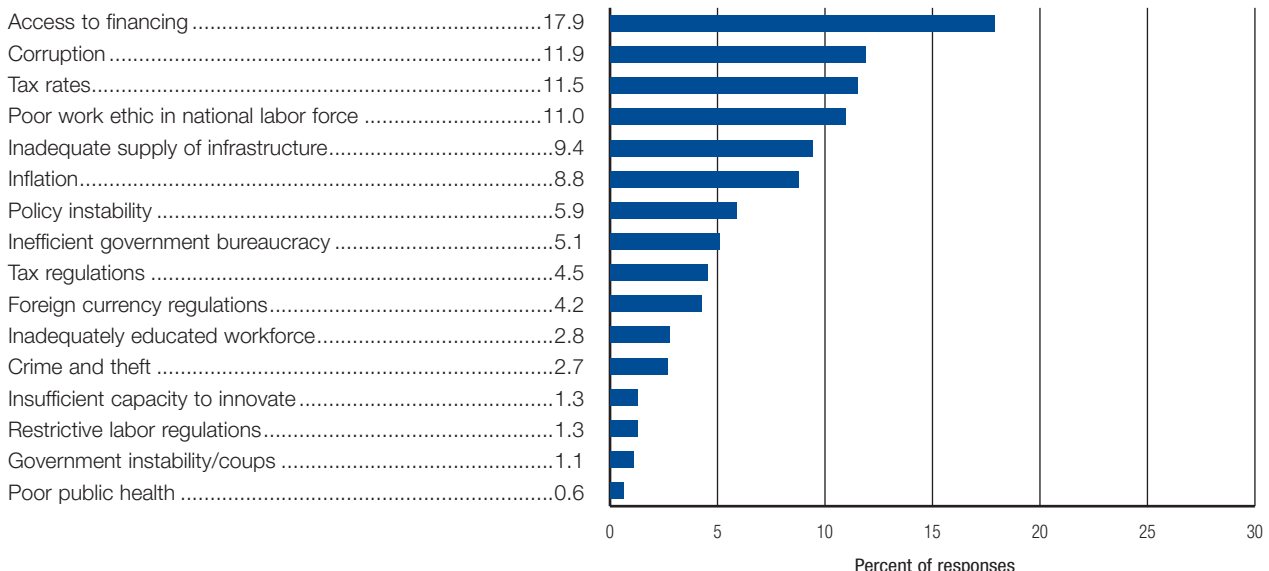
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 103 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 114 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 114 | 3.6 |
| Basic requirements (60.0%) | 112 | 3.9 |
| Institutions..... | 75 | 3.8 |
| Infrastructure..... | 110 | 2.9 |
| Macroeconomic environment..... | 108 | 4.1 |
| Health and primary education..... | 112 | 4.7 |
| Efficiency enhancers (35.0%) | 95 | 3.8 |
| Higher education and training..... | 107 | 3.4 |
| Goods market efficiency..... | 76 | 4.2 |
| Labor market efficiency..... | 97 | 4.1 |
| Financial market development..... | 59 | 4.2 |
| Technological readiness..... | 108 | 3.1 |
| Market size..... | 70 | 3.6 |
| Innovation and sophistication factors (5.0%) | 102 | 3.3 |
| Business sophistication..... | 101 | 3.6 |
| Innovation..... | 95 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|------------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.9.....91 | 6.01 | Intensity of local competition | 5.0.....53 |
| 1.02 | Intellectual property protection | 3.1.....93 | 6.02 | Extent of market dominance | 3.7.....77 |
| 1.03 | Diversion of public funds | 3.2.....70 | 6.03 | Effectiveness of anti-monopoly policy | 4.0.....73 |
| 1.04 | Public trust in politicians | 2.6.....76 | 6.04 | Extent and effect of taxation | 3.6.....61 |
| 1.05 | Irregular payments and bribes | 3.1.....115 | 6.05 | Total tax rate, % profits* | 33.6.....49 |
| 1.06 | Judicial independence | 4.1.....58 | 6.06 | No. procedures to start a business* | 7.....74 |
| 1.07 | Favoritism in decisions of government officials | 3.0.....78 | 6.07 | No. days to start a business* | 12.....53 |
| 1.08 | Wastefulness of government spending | 3.3.....69 | 6.08 | Agricultural policy costs | 4.2.....49 |
| 1.09 | Burden of government regulation | 3.4.....66 | 6.09 | Prevalence of trade barriers | 4.2.....83 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0.....50 | 6.10 | Trade tariffs, % duty* | 10.6.....108 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5.....78 | 6.11 | Prevalence of foreign ownership | 5.2.....42 |
| 1.12 | Transparency of government policymaking | 4.0.....90 | 6.12 | Business impact of rules on FDI | 4.6.....74 |
| 1.13 | Gov't services for improved business performance | 3.6.....77 | 6.13 | Burden of customs procedures | 3.4.....115 |
| 1.14 | Business costs of terrorism | 5.2.....94 | 6.14 | Imports as a percentage of GDP* | 48.0.....64 |
| 1.15 | Business costs of crime and violence | 4.4.....94 | 6.15 | Degree of customer orientation | 4.3.....101 |
| 1.16 | Organized crime | 5.1.....78 | 6.16 | Buyer sophistication | 2.9.....112 |
| 1.17 | Reliability of police services | 4.6.....55 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.8.....75 | 7.01 | Cooperation in labor-employer relations | 4.2.....76 |
| 1.19 | Strength of auditing and reporting standards | 4.4.....79 | 7.02 | Flexibility of wage determination | 4.6.....105 |
| 1.20 | Efficacy of corporate boards | 4.4.....77 | 7.03 | Hiring and firing practices | 4.5.....30 |
| 1.21 | Protection of minority shareholders' interests | 4.4.....51 | 7.04 | Redundancy costs, weeks of salary* | 50.....135 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0.....39 | 7.05 | Pay and productivity | 3.6.....97 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.5.....50 |
| 2.01 | Quality of overall infrastructure | 3.9.....86 | 7.07 | Brain drain | 3.6.....53 |
| 2.02 | Quality of roads | 3.5.....85 | 7.08 | Women in labor force, ratio to men* | 0.95.....10 |
| 2.03 | Quality of railroad infrastructure | 1.7.....104 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 4.0.....76 | 8.01 | Availability of financial services | 4.3.....85 |
| 2.05 | Quality of air transport infrastructure | 4.1.....97 | 8.02 | Affordability of financial services | 4.0.....81 |
| 2.06 | Available airline seat kms/week, millions* | 98.6.....77 | 8.03 | Financing through local equity market | 4.0.....41 |
| 2.07 | Quality of electricity supply | 3.0.....116 | 8.04 | Ease of access to loans | 2.0.....125 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 84.8.....103 | 8.05 | Venture capital availability | 2.1.....116 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.1.....125 | 8.06 | Soundness of banks | 5.0.....76 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5.....47 |
| 3.01 | Government budget balance, % GDP* | -4.3.....98 | 8.08 | Legal rights index, 0-10 (best)* | 8.....24 |
| 3.02 | Gross national savings, % GDP* | 16.2.....92 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 8.7.....118 | 9.01 | Availability of latest technologies | 4.7.....86 |
| 3.04 | General government debt, % GDP* | 43.4.....81 | 9.02 | Firm-level technology absorption | 4.2.....115 |
| 3.05 | Country credit rating, 0-100 (best)* | 37.2.....85 | 9.03 | FDI and technology transfer | 4.5.....82 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 14.1.....109 |
| 4.01 | Business impact of malaria | 2.9.....133 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3.....115 |
| 4.02 | Malaria cases/100,000 pop.* | 26,354.5.....129 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.2.....142 |
| 4.03 | Business impact of tuberculosis | 4.1.....122 | 9.07 | Mobile broadband subscriptions/100 pop.* | 23.0.....42 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 86.0.....87 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 4.0.....120 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4.....70 |
| 4.06 | HIV prevalence, % adult pop.* | 1.8.....121 | 10.02 | Foreign market size index, 1-7 (best)* | 4.1.....73 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 50.0.....114 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 63.8.....112 | 11.01 | Local supplier quantity | 4.5.....85 |
| 4.09 | Quality of primary education | 3.6.....73 | 11.02 | Local supplier quality | 4.0.....103 |
| 4.10 | Primary education enrollment, net %* | 84.0.....118 | 11.03 | State of cluster development | 3.1.....111 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2.....87 |
| 5.01 | Secondary education enrollment, gross %* | 58.1.....110 | 11.05 | Value chain breadth | 3.3.....96 |
| 5.02 | Tertiary education enrollment, gross %* | 12.1.....103 | 11.06 | Control of international distribution | 3.6.....109 |
| 5.03 | Quality of the educational system | 3.8.....62 | 11.07 | Production process sophistication | 3.2.....107 |
| 5.04 | Quality of math and science education | 3.6.....93 | 11.08 | Extent of marketing | 3.4.....112 |
| 5.05 | Quality of management schools | 4.3.....65 | 11.09 | Willingness to delegate authority | 3.3.....99 |
| 5.06 | Internet access in schools | 3.2.....109 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.7.....96 | 12.01 | Capacity for innovation | 3.0.....81 |
| 5.08 | Extent of staff training | 3.7.....96 | 12.02 | Quality of scientific research institutions | 3.5.....79 |
| | | | 12.03 | Company spending on R&D | 2.8.....98 |
| | | | 12.04 | University-industry collaboration in R&D | 3.2.....107 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.4.....87 |
| | | | 12.06 | Availability of scientists and engineers | 3.8.....87 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0.....109 |

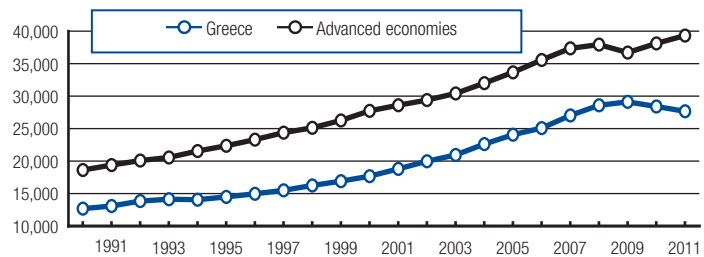
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Greece

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 12.0 |
| GDP (US\$ billions)..... | 303.1 |
| GDP per capita (US\$)..... | 27,073 |
| GDP (PPP) as share (%) of world total..... | 0.37 |

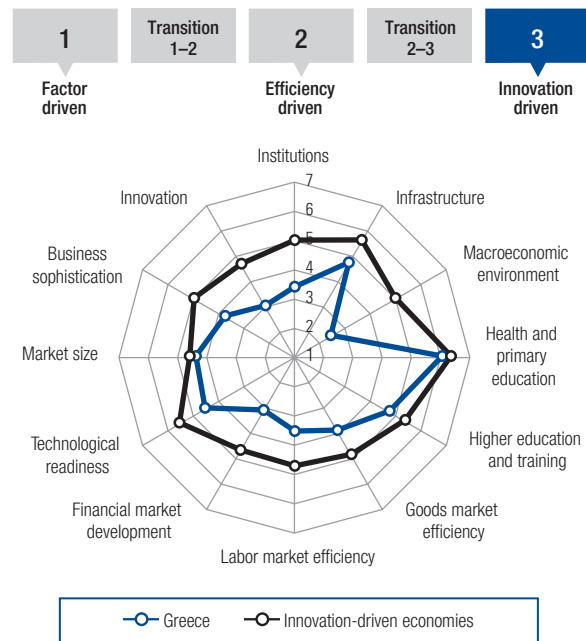
GDP (PPP) per capita (int'l \$), 1990–2011



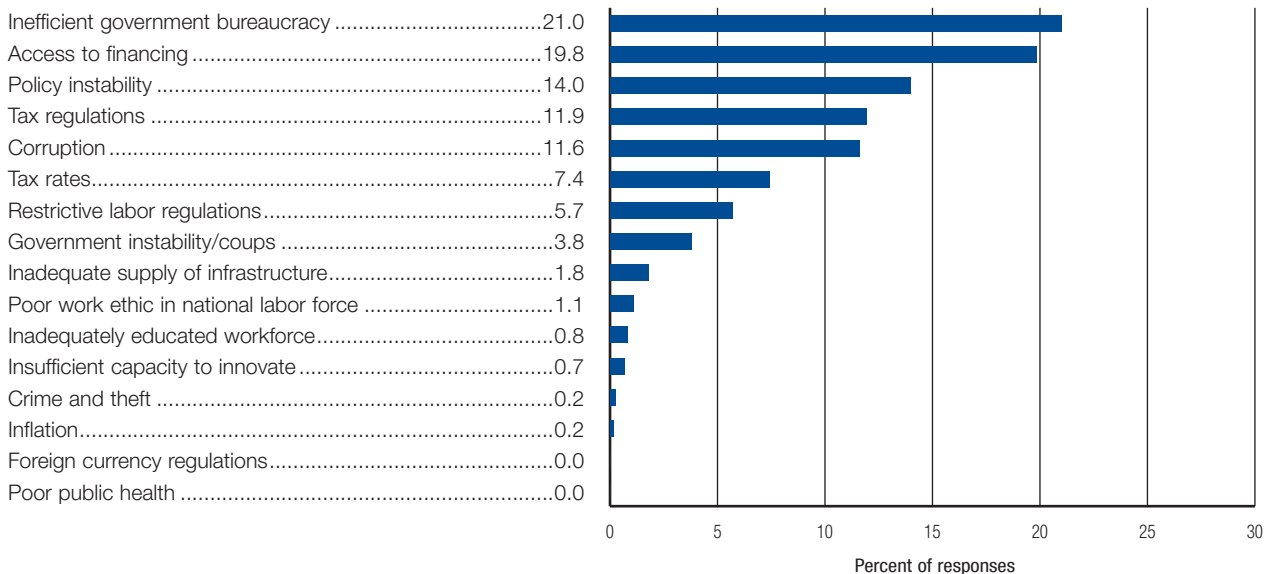
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 96 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 90 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 83 | 4.0 |
| Basic requirements (20.0%) | 98 | 4.1 |
| Institutions..... | 111 | 3.4 |
| Infrastructure..... | 43 | 4.7 |
| Macroeconomic environment..... | 144 | 2.4 |
| Health and primary education..... | 41 | 6.0 |
| Efficiency enhancers (50.0%) | 69 | 4.0 |
| Higher education and training..... | 43 | 4.7 |
| Goods market efficiency..... | 108 | 3.9 |
| Labor market efficiency..... | 133 | 3.6 |
| Financial market development..... | 132 | 3.1 |
| Technological readiness..... | 43 | 4.5 |
| Market size..... | 46 | 4.4 |
| Innovation and sophistication factors (30.0%) | 85 | 3.4 |
| Business sophistication..... | 85 | 3.7 |
| Innovation..... | 87 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.2 | 73 | 6.01 | Intensity of local competition | 4.4 | 95 |
| 1.02 | Intellectual property protection | 3.7 | 64 | 6.02 | Extent of market dominance | 3.7 | 69 |
| 1.03 | Diversion of public funds | 2.5 | 119 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 91 |
| 1.04 | Public trust in politicians | 1.5 | 141 | 6.04 | Extent and effect of taxation | 2.3 | 138 |
| 1.05 | Irregular payments and bribes | 3.4 | 104 | 6.05 | Total tax rate, % profits* | 46.4 | 101 |
| 1.06 | Judicial independence | 3.1 | 98 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 114 | 6.07 | No. days to start a business* | 10 | 48 |
| 1.08 | Wastefulness of government spending | 2.0 | 137 | 6.08 | Agricultural policy costs | 2.7 | 140 |
| 1.09 | Burden of government regulation | 2.2 | 141 | 6.09 | Prevalence of trade barriers | 4.8 | 33 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.5 | 135 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.6 | 132 | 6.11 | Prevalence of foreign ownership | 4.4 | 92 |
| 1.12 | Transparency of government policymaking | 3.7 | 122 | 6.12 | Business impact of rules on FDI | 3.2 | 137 |
| 1.13 | Gov't services for improved business performance | 2.3 | 134 | 6.13 | Burden of customs procedures | 3.8 | 85 |
| 1.14 | Business costs of terrorism | 5.3 | 88 | 6.14 | Imports as a percentage of GDP* | 25.7 | 128 |
| 1.15 | Business costs of crime and violence | 4.7 | 81 | 6.15 | Degree of customer orientation | 4.5 | 91 |
| 1.16 | Organized crime | 5.3 | 68 | 6.16 | Buyer sophistication | 3.3 | 80 |
| 1.17 | Reliability of police services | 3.9 | 84 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 130 | 7.01 | Cooperation in labor-employer relations | 3.5 | 130 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 82 | 7.02 | Flexibility of wage determination | 3.3 | 136 |
| 1.20 | Efficacy of corporate boards | 3.9 | 131 | 7.03 | Hiring and firing practices | 3.3 | 111 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 61 | 7.04 | Redundancy costs, weeks of salary* | 20 | 89 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.3 | 125 | 7.05 | Pay and productivity | 3.0 | 132 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 103 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 61 | 7.07 | Brain drain | 2.4 | 123 |
| 2.02 | Quality of roads | 4.0 | 71 | 7.08 | Women in labor force, ratio to men* | 0.73 | 89 |
| 2.03 | Quality of railroad infrastructure | 2.5 | 69 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.2 | 66 | 8.01 | Availability of financial services | 4.2 | 90 |
| 2.05 | Quality of air transport infrastructure | 5.3 | 45 | 8.02 | Affordability of financial services | 3.7 | 97 |
| 2.06 | Available airline seat kms/week, millions* | 544.8 | 36 | 8.03 | Financing through local equity market | 2.5 | 121 |
| 2.07 | Quality of electricity supply | 5.2 | 57 | 8.04 | Ease of access to loans | 1.7 | 138 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 106.5 | 70 | 8.05 | Venture capital availability | 1.8 | 134 |
| 2.09 | Fixed telephone lines/100 pop.* | 49.9 | 13 | 8.06 | Soundness of banks | 3.1 | 141 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 90 | |
| 3.01 | Government budget balance, % GDP* | -9.2 | 139 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 4.8 | 135 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.1 | 30 | 9.01 | Availability of latest technologies | 5.2 | 58 |
| 3.04 | General government debt, % GDP* | 160.8 | 143 | 9.02 | Firm-level technology absorption | 4.4 | 94 |
| 3.05 | Country credit rating, 0-100 (best)* | 19.6 | 129 | 9.03 | FDI and technology transfer | 3.9 | 116 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 53.0 | 51 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 21.6 | 33 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 26.0 | 49 |
| 4.03 | Business impact of tuberculosis | 6.4 | 21 | 9.07 | Mobile broadband subscriptions/100 pop.* | 31.8 | 36 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.6 | 6 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 21 | 10.01 | Domestic market size index, 1-7 (best)* | 4.3 | 40 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.6 | 57 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.2 | 13 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.4 | 19 | 11.01 | Local supplier quantity | 4.6 | 83 |
| 4.09 | Quality of primary education | 3.6 | 77 | 11.02 | Local supplier quality | 4.5 | 67 |
| 4.10 | Primary education enrollment, net %* | 98.3 | 24 | 11.03 | State of cluster development | 2.9 | 126 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 57 | |
| 5.01 | Secondary education enrollment, gross %* | 100.9 | 28 | 11.05 | Value chain breadth | 3.3 | 94 |
| 5.02 | Tertiary education enrollment, gross %* | 89.4 | 4 | 11.06 | Control of international distribution | 4.0 | 77 |
| 5.03 | Quality of the educational system | 3.0 | 115 | 11.07 | Production process sophistication | 3.6 | 69 |
| 5.04 | Quality of math and science education | 4.2 | 54 | 11.08 | Extent of marketing | 4.0 | 73 |
| 5.05 | Quality of management schools | 3.7 | 104 | 11.09 | Willingness to delegate authority | 3.2 | 110 |
| 5.06 | Internet access in schools | 3.9 | 81 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.8 | 92 | 12.01 | Capacity for innovation | 2.7 | 104 |
| 5.08 | Extent of staff training | 3.3 | 115 | 12.02 | Quality of scientific research institutions | 3.3 | 93 |
| | | | | 12.03 | Company spending on R&D | 2.4 | 129 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.9 | 123 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.7 | 130 |
| | | | | 12.06 | Availability of scientists and engineers | 5.2 | 10 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 9.4 | 35 |

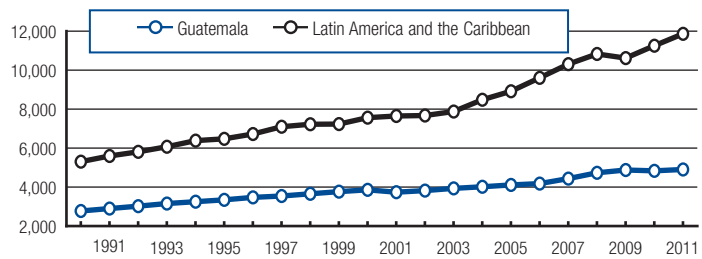
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Guatemala

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 14.9 |
| GDP (US\$ billions)..... | 46.9 |
| GDP per capita (US\$)..... | 3,182 |
| GDP (PPP) as share (%) of world total..... | 0.10 |

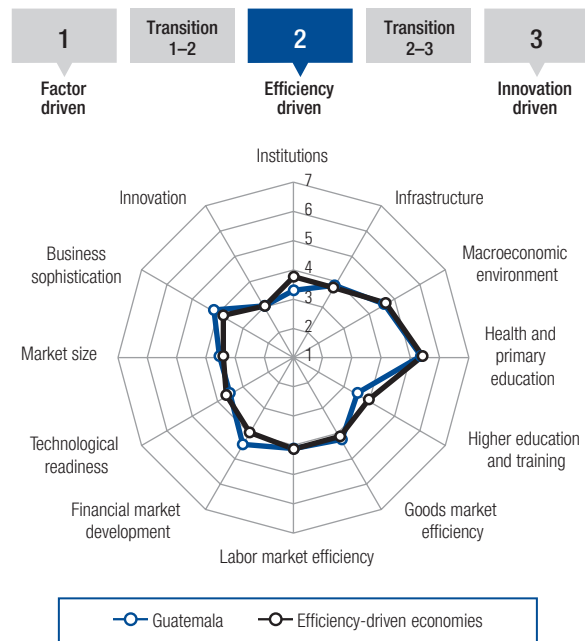
GDP (PPP) per capita (int'l \$), 1990–2011



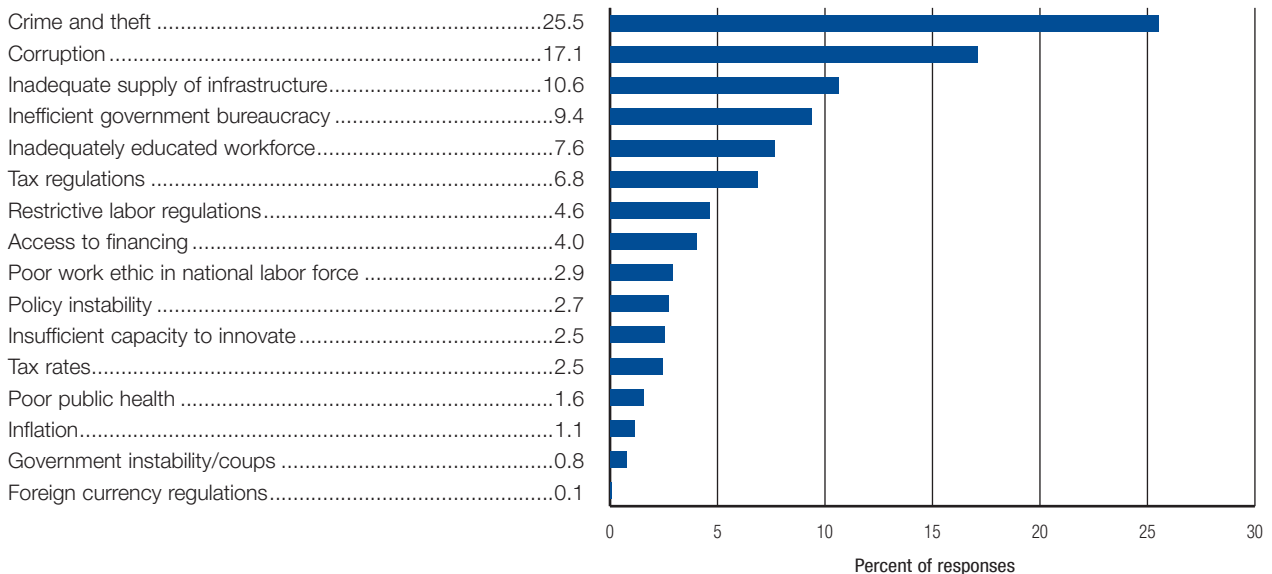
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 83 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 84 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 78 | 4.0 |
| Basic requirements (40.0%) | 88 | 4.2 |
| Institutions..... | 124 | 3.2 |
| Infrastructure..... | 75 | 3.8 |
| Macroeconomic environment..... | 77 | 4.6 |
| Health and primary education..... | 95 | 5.3 |
| Efficiency enhancers (50.0%) | 81 | 3.9 |
| Higher education and training..... | 104 | 3.5 |
| Goods market efficiency..... | 66 | 4.3 |
| Labor market efficiency..... | 90 | 4.2 |
| Financial market development..... | 41 | 4.5 |
| Technological readiness..... | 87 | 3.5 |
| Market size..... | 73 | 3.5 |
| Innovation and sophistication factors (10.0%) | 70 | 3.6 |
| Business sophistication..... | 57 | 4.2 |
| Innovation..... | 90 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Guatemala

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.7 | 102 | 6.01 | Intensity of local competition | 5.1 | 46 |
| 1.02 | Intellectual property protection | 2.6 | 121 | 6.02 | Extent of market dominance | 3.9 | 55 |
| 1.03 | Diversion of public funds | 2.2 | 132 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 112 |
| 1.04 | Public trust in politicians | 2.0 | 122 | 6.04 | Extent and effect of taxation | 3.6 | 56 |
| 1.05 | Irregular payments and bribes | 3.9 | 73 | 6.05 | Total tax rate, % profits* | 40.9 | 79 |
| 1.06 | Judicial independence | 2.9 | 103 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 96 | 6.07 | No. days to start a business* | 37 | 115 |
| 1.08 | Wastefulness of government spending | 2.4 | 121 | 6.08 | Agricultural policy costs | 4.2 | 39 |
| 1.09 | Burden of government regulation | 3.6 | 53 | 6.09 | Prevalence of trade barriers | 4.3 | 69 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.1 | 110 | 6.10 | Trade tariffs, % duty* | 4.3 | 54 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 98 | 6.11 | Prevalence of foreign ownership | 4.9 | 61 |
| 1.12 | Transparency of government policymaking | 4.7 | 41 | 6.12 | Business impact of rules on FDI | 4.2 | 105 |
| 1.13 | Gov't services for improved business performance | 3.3 | 95 | 6.13 | Burden of customs procedures | 3.9 | 78 |
| 1.14 | Business costs of terrorism | 4.5 | 123 | 6.14 | Imports as a percentage of GDP* | 40.9 | 84 |
| 1.15 | Business costs of crime and violence | 1.9 | 144 | 6.15 | Degree of customer orientation | 5.1 | 33 |
| 1.16 | Organized crime | 2.1 | 143 | 6.16 | Buyer sophistication | 3.6 | 59 |
| 1.17 | Reliability of police services | 2.6 | 137 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.8 | 74 | 7.01 | Cooperation in labor-employer relations | 4.9 | 29 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 65 | 7.02 | Flexibility of wage determination | 5.4 | 43 |
| 1.20 | Efficacy of corporate boards | 4.9 | 39 | 7.03 | Hiring and firing practices | 4.2 | 54 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 106 | 7.04 | Redundancy costs, weeks of salary* | 27 | 114 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 4.0 | 60 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 81 | |
| 2.01 | Quality of overall infrastructure | 4.4 | 67 | 7.07 | Brain drain | 3.7 | 51 |
| 2.02 | Quality of roads | 3.3 | 91 | 7.08 | Women in labor force, ratio to men* | 0.56 | 120 |
| 2.03 | Quality of railroad infrastructure | 1.2 | 118 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 84 | 8.01 | Availability of financial services | 5.1 | 38 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 58 | 8.02 | Affordability of financial services | 4.9 | 31 |
| 2.06 | Available airline seat kms/week, millions* | 45.1 | 100 | 8.03 | Financing through local equity market | 2.3 | 128 |
| 2.07 | Quality of electricity supply | 5.0 | 67 | 8.04 | Ease of access to loans | 3.1 | 53 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 140.4 | 23 | 8.05 | Venture capital availability | 2.7 | 64 |
| 2.09 | Fixed telephone lines/100 pop.* | 11.0 | 89 | 8.06 | Soundness of banks | 6.0 | 23 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 60 | |
| 3.01 | Government budget balance, % GDP* | -2.8 | 70 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 12.9 | 112 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.2 | 92 | 9.01 | Availability of latest technologies | 5.3 | 51 |
| 3.04 | General government debt, % GDP* | 24.1 | 33 | 9.02 | Firm-level technology absorption | 5.2 | 45 |
| 3.05 | Country credit rating, 0-100 (best)* | 43.6 | 75 | 9.03 | FDI and technology transfer | 4.5 | 81 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 11.7 | 115 | |
| 4.01 | Business impact of malaria | 5.4 | 94 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.8 | 94 |
| 4.02 | Malaria cases/100,000 pop.* | 210.0 | 101 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.9 | 95 |
| 4.03 | Business impact of tuberculosis | 5.6 | 55 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.1 | 87 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 62.0 | 75 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 61 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4 | 68 |
| 4.06 | HIV prevalence, % adult pop.* | 0.8 | 98 | 10.02 | Foreign market size index, 1-7 (best)* | 3.9 | 84 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 24.8 | 93 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 70.8 | 91 | 11.01 | Local supplier quantity | 5.0 | 40 |
| 4.09 | Quality of primary education | 2.2 | 136 | 11.02 | Local supplier quality | 4.8 | 49 |
| 4.10 | Primary education enrollment, net %* | 96.9 | 41 | 11.03 | State of cluster development | 4.1 | 44 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 79 | |
| 5.01 | Secondary education enrollment, gross %* | 58.5 | 109 | 11.05 | Value chain breadth | 3.9 | 48 |
| 5.02 | Tertiary education enrollment, gross %* | 17.8 | 97 | 11.06 | Control of international distribution | 4.2 | 52 |
| 5.03 | Quality of the educational system | 2.6 | 130 | 11.07 | Production process sophistication | 3.8 | 62 |
| 5.04 | Quality of math and science education | 2.4 | 137 | 11.08 | Extent of marketing | 4.4 | 50 |
| 5.05 | Quality of management schools | 4.6 | 43 | 11.09 | Willingness to delegate authority | 3.9 | 53 |
| 5.06 | Internet access in schools | 3.1 | 113 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 53 | 12.01 | Capacity for innovation | 3.2 | 67 |
| 5.08 | Extent of staff training | 4.3 | 40 | 12.02 | Quality of scientific research institutions | 3.1 | 106 |
| | | | 12.03 | Company spending on R&D | 3.1 | 66 | |
| | | | 12.04 | University-industry collaboration in R&D | 3.8 | 53 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.0 | 119 | |
| | | | 12.06 | Availability of scientists and engineers | 3.8 | 88 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.5 | 76 | |

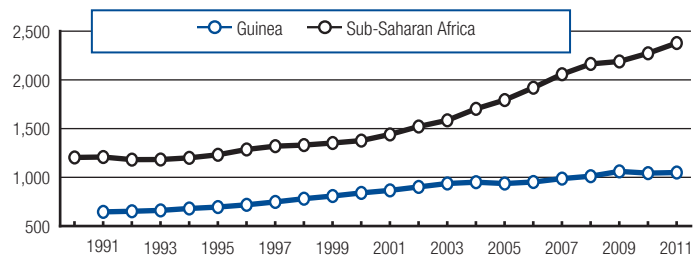
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Guinea

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 10.3 |
| GDP (US\$ billions)..... | 5.2 |
| GDP per capita (US\$)..... | 492 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

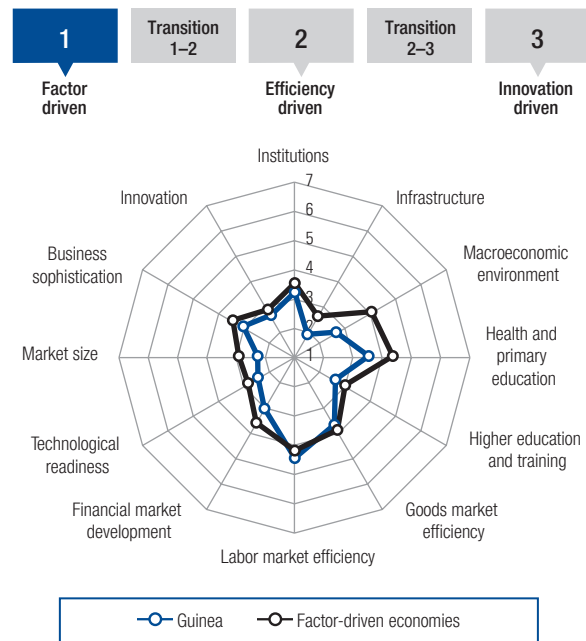
GDP (PPP) per capita (int'l \$), 1990–2011



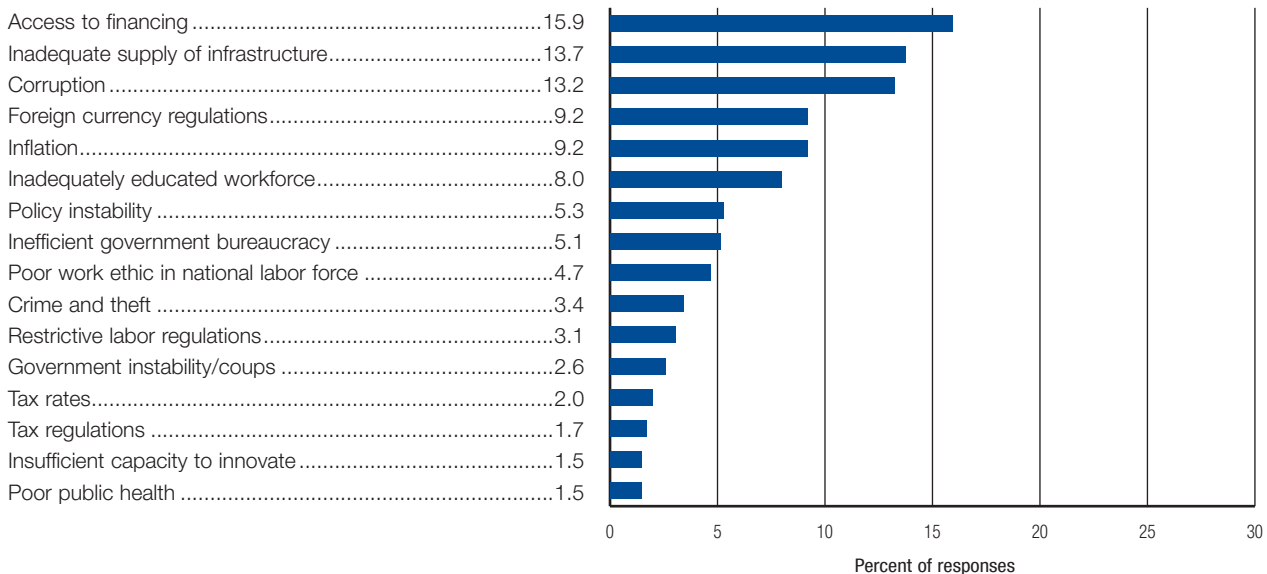
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 141 | 2.9 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (60.0%) | 143 | 2.8 |
| Institutions..... | 128 | 3.2 |
| Infrastructure..... | 142 | 1.9 |
| Macroeconomic environment..... | 142 | 2.6 |
| Health and primary education..... | 138 | 3.5 |
| Efficiency enhancers (35.0%) | 134 | 3.1 |
| Higher education and training..... | 136 | 2.6 |
| Goods market efficiency..... | 127 | 3.7 |
| Labor market efficiency..... | 56 | 4.5 |
| Financial market development..... | 135 | 3.1 |
| Technological readiness..... | 142 | 2.5 |
| Market size..... | 129 | 2.3 |
| Innovation and sophistication factors (5.0%) | 132 | 2.8 |
| Business sophistication..... | 139 | 3.0 |
| Innovation..... | 125 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|----------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 3.2 | 127 |
| 1.02 Intellectual property protection | 2.2 | 137 |
| 1.03 Diversion of public funds | 2.8 | 94 |
| 1.04 Public trust in politicians | 2.6 | 78 |
| 1.05 Irregular payments and bribes | 2.3 | 142 |
| 1.06 Judicial independence | 2.6 | 119 |
| 1.07 Favoritism in decisions of government officials | 3.3 | 57 |
| 1.08 Wastefulness of government spending | 3.7 | 41 |
| 1.09 Burden of government regulation | 4.0 | 30 |
| 1.10 Efficiency of legal framework in settling disputes | 2.7 | 128 |
| 1.11 Efficiency of legal framework in challenging regs. ... | 2.8 | 122 |
| 1.12 Transparency of government policymaking | 3.6 | 126 |
| 1.13 Gov't services for improved business performance | 3.4 | 90 |
| 1.14 Business costs of terrorism | 5.0 | 108 |
| 1.15 Business costs of crime and violence | 3.1 | 130 |
| 1.16 Organized crime | 4.1 | 119 |
| 1.17 Reliability of police services | 3.0 | 120 |
| 1.18 Ethical behavior of firms | 3.3 | 120 |
| 1.19 Strength of auditing and reporting standards | 2.9 | 142 |
| 1.20 Efficacy of corporate boards | 4.3 | 88 |
| 1.21 Protection of minority shareholders' interests | 4.0 | 80 |
| 1.22 Strength of investor protection, 0-10 (best)* | 2.7 | 138 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 2.1 | 143 |
| 2.02 Quality of roads | 2.0 | 140 |
| 2.03 Quality of railroad infrastructure | 1.6 | 108 |
| 2.04 Quality of port infrastructure | 3.5 | 107 |
| 2.05 Quality of air transport infrastructure | 3.6 | 110 |
| 2.06 Available airline seat kms/week, millions* | 9.5 | 134 |
| 2.07 Quality of electricity supply | 1.5 | 141 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 44.0 | 134 |
| 2.09 Fixed telephone lines/100 pop.* | 0.2 | 143 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | -2.9 | 71 |
| 3.02 Gross national savings, % GDP* | 8.6 | 128 |
| 3.03 Inflation, annual % change* | 21.5 | 143 |
| 3.04 General government debt, % GDP* | 72.2 | 119 |
| 3.05 Country credit rating, 0-100 (best)* | 11.8 | 141 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | 2.8 | 135 |
| 4.02 Malaria cases/100,000 pop.* | 39,709.6 | 144 |
| 4.03 Business impact of tuberculosis | 3.4 | 135 |
| 4.04 Tuberculosis cases/100,000 pop.* | 334.0 | 131 |
| 4.05 Business impact of HIV/AIDS | 3.3 | 129 |
| 4.06 HIV prevalence, % adult pop.* | 1.3 | 114 |
| 4.07 Infant mortality, deaths/1,000 live births* | 81.2 | 135 |
| 4.08 Life expectancy, years* | 53.6 | 129 |
| 4.09 Quality of primary education | 2.5 | 125 |
| 4.10 Primary education enrollment, net %* | 77.0 | 128 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 38.1 | 124 |
| 5.02 Tertiary education enrollment, gross %* | 9.5 | 114 |
| 5.03 Quality of the educational system | 2.7 | 128 |
| 5.04 Quality of math and science education | 3.4 | 106 |
| 5.05 Quality of management schools | 2.7 | 139 |
| 5.06 Internet access in schools | 1.7 | 139 |
| 5.07 Availability of research and training services | 3.1 | 127 |
| 5.08 Extent of staff training | 3.3 | 114 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 4.1 | 116 |
| 6.02 Extent of market dominance | 3.7 | 72 |
| 6.03 Effectiveness of anti-monopoly policy | 3.5 | 109 |
| 6.04 Extent and effect of taxation | 4.1 | 27 |
| 6.05 Total tax rate, % profits* | 54.3 | 118 |
| 6.06 No. procedures to start a business* | 12 | 121 |
| 6.07 No. days to start a business* | 40 | 120 |
| 6.08 Agricultural policy costs | 3.9 | 71 |
| 6.09 Prevalence of trade barriers | 3.6 | 126 |
| 6.10 Trade tariffs, % duty* | 0.1 | 3 |
| 6.11 Prevalence of foreign ownership | 4.1 | 109 |
| 6.12 Business impact of rules on FDI | 3.7 | 122 |
| 6.13 Burden of customs procedures | 3.3 | 119 |
| 6.14 Imports as a percentage of GDP* | 36.2 | 96 |
| 6.15 Degree of customer orientation | 4.5 | 84 |
| 6.16 Buyer sophistication | 2.1 | 140 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 4.2 | 74 |
| 7.02 Flexibility of wage determination | 5.3 | 52 |
| 7.03 Hiring and firing practices | 4.6 | 27 |
| 7.04 Redundancy costs, weeks of salary* | 8 | 22 |
| 7.05 Pay and productivity | 3.0 | 129 |
| 7.06 Reliance on professional management | 3.0 | 139 |
| 7.07 Brain drain | 3.0 | 101 |
| 7.08 Women in labor force, ratio to men* | 0.84 | 60 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 3.3 | 133 |
| 8.02 Affordability of financial services | 3.2 | 129 |
| 8.03 Financing through local equity market | 2.2 | 132 |
| 8.04 Ease of access to loans | 2.0 | 124 |
| 8.05 Venture capital availability | 1.6 | 142 |
| 8.06 Soundness of banks | 4.0 | 127 |
| 8.07 Regulation of securities exchanges | 2.4 | 137 |
| 8.08 Legal rights index, 0-10 (best)* | 6 | 65 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 3.6 | 135 |
| 9.02 Firm-level technology absorption | 3.8 | 135 |
| 9.03 FDI and technology transfer | 3.9 | 114 |
| 9.04 Individuals using Internet, %* | 1.3 | 140 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 0.0 | 138 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 1.7 | 127 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1-7 (best)* | 2.1 | 126 |
| 10.02 Foreign market size index, 1-7 (best)* | 2.8 | 125 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 3.8 | 134 |
| 11.02 Local supplier quality | 4.0 | 109 |
| 11.03 State of cluster development | 3.1 | 106 |
| 11.04 Nature of competitive advantage | 2.6 | 129 |
| 11.05 Value chain breadth | 2.5 | 139 |
| 11.06 Control of international distribution | 2.9 | 141 |
| 11.07 Production process sophistication | 2.8 | 123 |
| 11.08 Extent of marketing | 2.6 | 135 |
| 11.09 Willingness to delegate authority | 2.9 | 132 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.4 | 127 |
| 12.02 Quality of scientific research institutions | 2.5 | 130 |
| 12.03 Company spending on R&D | 2.7 | 105 |
| 12.04 University-industry collaboration in R&D | 2.4 | 135 |
| 12.05 Gov't procurement of advanced tech products | 3.5 | 77 |
| 12.06 Availability of scientists and engineers | 4.0 | 74 |
| 12.07 PCT patents, applications/million pop.* | 0.0 | 119 |

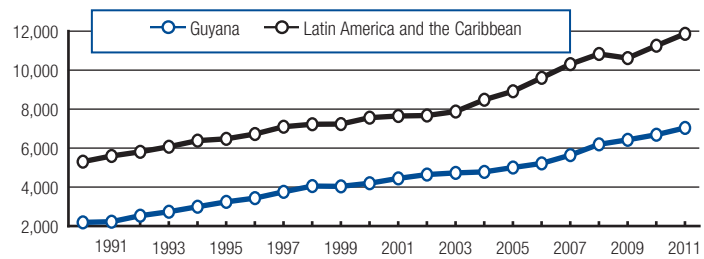
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Guyana

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 0.8 |
| GDP (US\$ billions)..... | 2.5 |
| GDP per capita (US\$)..... | 3,202 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

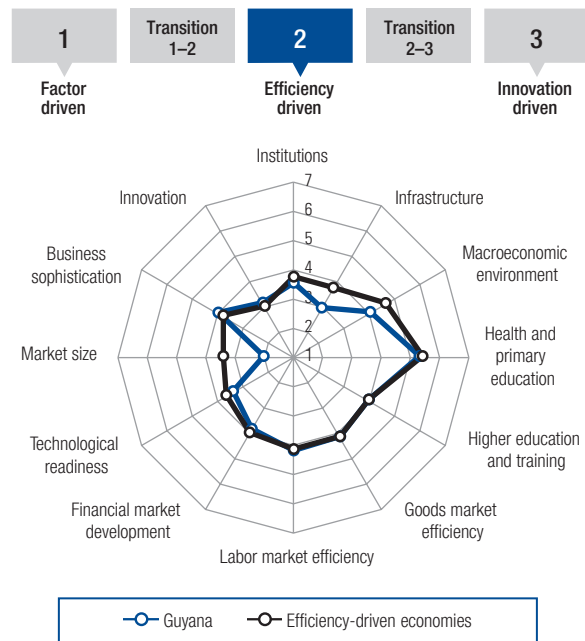
GDP (PPP) per capita (int'l \$), 1990–2011



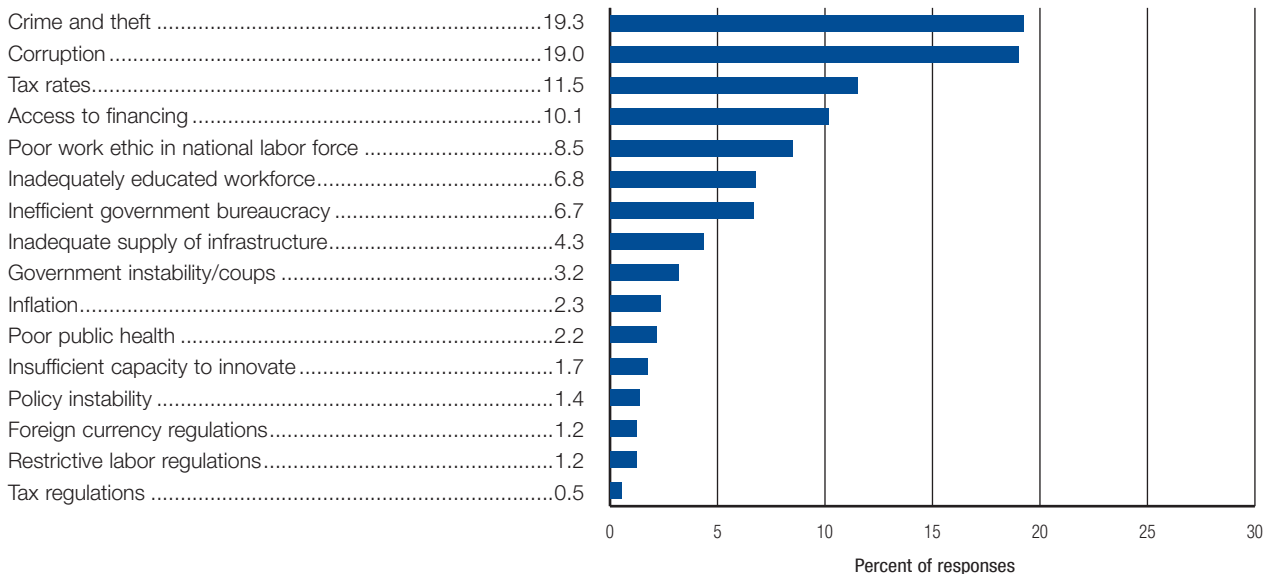
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 109 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 109 | 3.7 |
| GCI 2010–2011 (out of 139)..... | 110 | 3.6 |
| Basic requirements (40.0%) | 107 | 3.9 |
| Institutions..... | 100 | 3.5 |
| Infrastructure..... | 109 | 2.9 |
| Macroeconomic environment..... | 109 | 4.0 |
| Health and primary education..... | 99 | 5.3 |
| Efficiency enhancers (50.0%) | 109 | 3.6 |
| Higher education and training..... | 87 | 4.0 |
| Goods market efficiency..... | 84 | 4.2 |
| Labor market efficiency..... | 85 | 4.2 |
| Financial market development..... | 86 | 3.9 |
| Technological readiness..... | 94 | 3.4 |
| Market size..... | 132 | 2.0 |
| Innovation and sophistication factors (10.0%) | 71 | 3.5 |
| Business sophistication..... | 64 | 4.0 |
| Innovation..... | 76 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 105 | 6.01 | Intensity of local competition | 5.0 | 59 |
| 1.02 | Intellectual property protection | 3.4 | 78 | 6.02 | Extent of market dominance | 3.5 | 84 |
| 1.03 | Diversion of public funds | 2.8 | 98 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 89 |
| 1.04 | Public trust in politicians | 2.8 | 70 | 6.04 | Extent and effect of taxation | 3.5 | 75 |
| 1.05 | Irregular payments and bribes | 3.0 | 123 | 6.05 | Total tax rate, % profits* | 36.1 | 64 |
| 1.06 | Judicial independence | 3.2 | 93 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 2.3 | 133 | 6.07 | No. days to start a business* | 26 | 93 |
| 1.08 | Wastefulness of government spending | 3.0 | 85 | 6.08 | Agricultural policy costs | 4.2 | 45 |
| 1.09 | Burden of government regulation | 3.7 | 47 | 6.09 | Prevalence of trade barriers | 4.2 | 84 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.4 | 87 | 6.10 | Trade tariffs, % duty* | 10.8 | 109 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 95 | 6.11 | Prevalence of foreign ownership | 4.1 | 110 |
| 1.12 | Transparency of government policymaking | 4.2 | 80 | 6.12 | Business impact of rules on FDI | 4.5 | 81 |
| 1.13 | Gov't services for improved business performance | 3.6 | 76 | 6.13 | Burden of customs procedures | 3.6 | 98 |
| 1.14 | Business costs of terrorism | 5.3 | 91 | 6.14 | Imports as a percentage of GDP* | 89.8 | 14 |
| 1.15 | Business costs of crime and violence | 3.5 | 123 | 6.15 | Degree of customer orientation | 4.5 | 81 |
| 1.16 | Organized crime | 4.5 | 108 | 6.16 | Buyer sophistication | 2.9 | 115 |
| 1.17 | Reliability of police services | 2.8 | 132 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.8 | 82 | 7.01 | Cooperation in labor-employer relations | 4.5 | 51 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 97 | 7.02 | Flexibility of wage determination | 5.3 | 47 |
| 1.20 | Efficacy of corporate boards | 4.7 | 52 | 7.03 | Hiring and firing practices | 4.9 | 13 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 108 | 7.04 | Redundancy costs, weeks of salary* | 17 | 78 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.9 | 69 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 56 | |
| 2.01 | Quality of overall infrastructure | 3.9 | 83 | 7.07 | Brain drain | 3.0 | 107 |
| 2.02 | Quality of roads | 3.7 | 79 | 7.08 | Women in labor force, ratio to men* | 0.53 | 126 |
| 2.03 | Quality of railroad infrastructure | 1.8 | 99 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.3 | 119 | 8.01 | Availability of financial services | 4.6 | 70 |
| 2.05 | Quality of air transport infrastructure | 4.1 | 93 | 8.02 | Affordability of financial services | 4.1 | 72 |
| 2.06 | Available airline seat kms/week, millions* | 10.1 | 132 | 8.03 | Financing through local equity market | 3.3 | 77 |
| 2.07 | Quality of electricity supply | 3.0 | 117 | 8.04 | Ease of access to loans | 2.7 | 76 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 68.6 | 118 | 8.05 | Venture capital availability | 2.8 | 52 |
| 2.09 | Fixed telephone lines/100 pop.* | 20.2 | 64 | 8.06 | Soundness of banks | 5.7 | 43 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.7 | 103 | |
| 3.01 | Government budget balance, % GDP* | -1.8 | 49 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 7.8 | 133 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.7 | 87 | 9.01 | Availability of latest technologies | 5.0 | 70 |
| 3.04 | General government debt, % GDP* | 61.8 | 108 | 9.02 | Firm-level technology absorption | 4.7 | 74 |
| 3.05 | Country credit rating, 0-100 (best)* | 26.7 | 111 | 9.03 | FDI and technology transfer | 4.1 | 104 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 32.0 | 83 | |
| 4.01 | Business impact of malaria | 4.6 | 109 | 9.05 | Broadband Internet subscriptions/100 pop.* | 2.5 | 88 |
| 4.02 | Malaria cases/100,000 pop.* | 3,786.6 | 118 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 12.0 | 78 |
| 4.03 | Business impact of tuberculosis | 4.9 | 93 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 111.0 | 98 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 99 | 10.01 | Domestic market size index, 1-7 (best)* | 1.8 | 132 |
| 4.06 | HIV prevalence, % adult pop.* | 1.2 | 110 | 10.02 | Foreign market size index, 1-7 (best)* | 2.7 | 130 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 25.3 | 94 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 69.5 | 96 | 11.01 | Local supplier quantity | 4.7 | 76 |
| 4.09 | Quality of primary education | 4.3 | 50 | 11.02 | Local supplier quality | 4.7 | 57 |
| 4.10 | Primary education enrollment, net %* | 80.6 | 123 | 11.03 | State of cluster development | 3.7 | 71 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.9 | 44 | |
| 5.01 | Secondary education enrollment, gross %* | 91.0 | 61 | 11.05 | Value chain breadth | 3.4 | 83 |
| 5.02 | Tertiary education enrollment, gross %* | 11.9 | 105 | 11.06 | Control of international distribution | 4.2 | 50 |
| 5.03 | Quality of the educational system | 4.2 | 42 | 11.07 | Production process sophistication | 3.4 | 85 |
| 5.04 | Quality of math and science education | 4.0 | 70 | 11.08 | Extent of marketing | 3.9 | 79 |
| 5.05 | Quality of management schools | 4.3 | 64 | 11.09 | Willingness to delegate authority | 3.7 | 69 |
| 5.06 | Internet access in schools | 3.6 | 91 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.7 | 100 | 12.01 | Capacity for innovation | 3.7 | 35 |
| 5.08 | Extent of staff training | 4.0 | 61 | 12.02 | Quality of scientific research institutions | 3.3 | 96 |
| | | | 12.03 | Company spending on R&D | 3.4 | 46 | |
| | | | 12.04 | University-industry collaboration in R&D | 3.3 | 94 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 78 | |
| | | | 12.06 | Availability of scientists and engineers | 3.6 | 103 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 | |

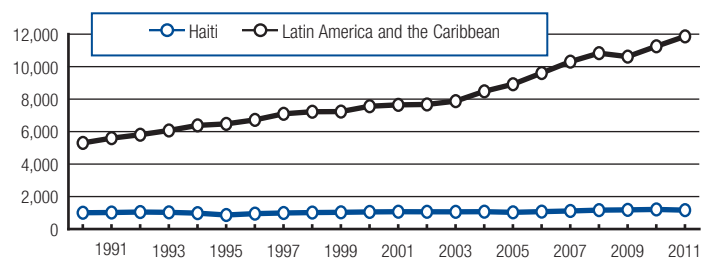
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Haiti

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 10.2 |
| GDP (US\$ billions)..... | 7.4 |
| GDP per capita (US\$)..... | 738 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

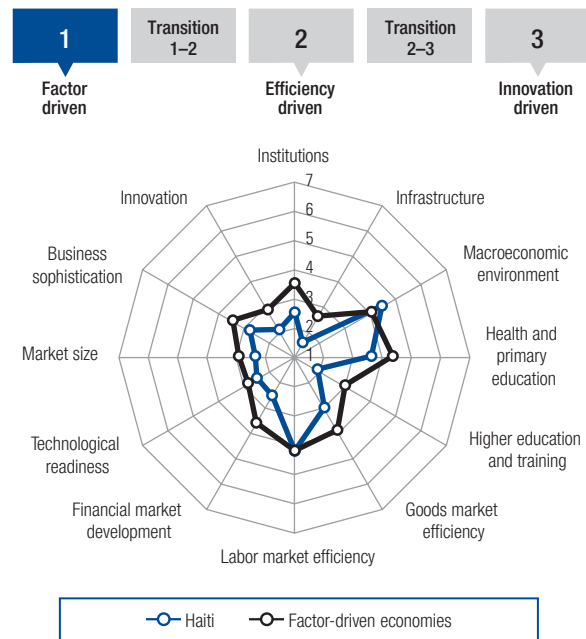
GDP (PPP) per capita (int'l \$), 1990–2011



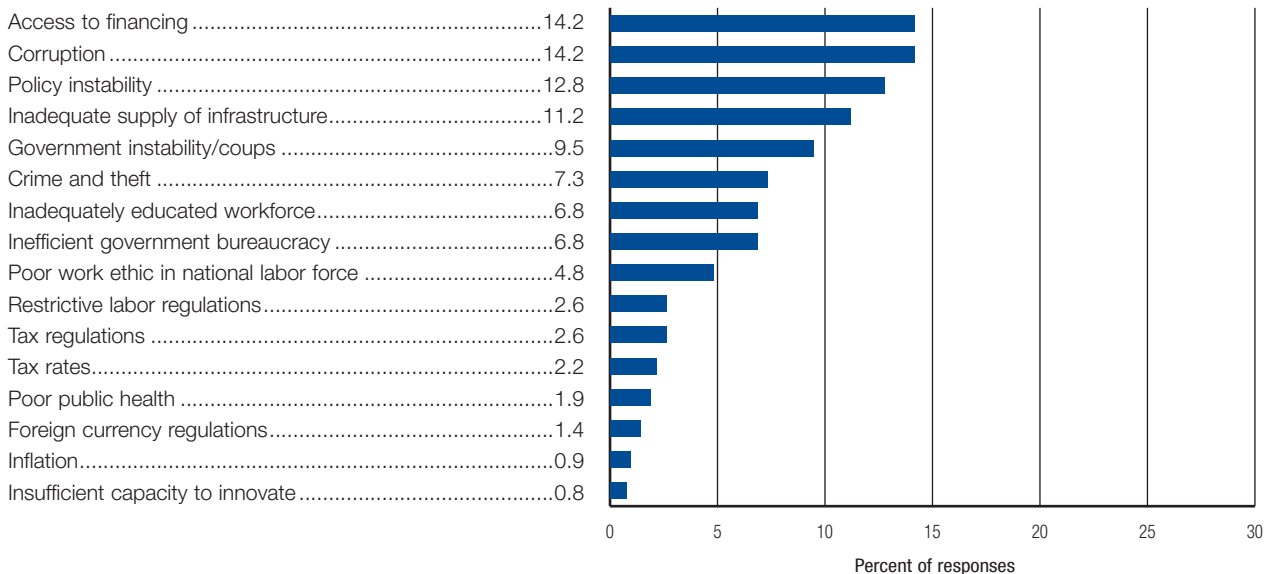
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 142 | 2.9 |
| GCI 2011–2012 (out of 142)..... | 141 | 2.9 |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (60.0%) | 140 | 3.0 |
| Institutions..... | 143 | 2.5 |
| Infrastructure..... | 144 | 1.5 |
| Macroeconomic environment..... | 86 | 4.4 |
| Health and primary education..... | 134 | 3.6 |
| Efficiency enhancers (35.0%) | 143 | 2.8 |
| Higher education and training..... | 144 | 1.9 |
| Goods market efficiency..... | 142 | 3.0 |
| Labor market efficiency..... | 83 | 4.2 |
| Financial market development..... | 141 | 2.6 |
| Technological readiness..... | 138 | 2.5 |
| Market size..... | 127 | 2.3 |
| Innovation and sophistication factors (5.0%) | 143 | 2.4 |
| Business sophistication..... | 142 | 2.8 |
| Innovation..... | 143 | 2.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.1 | 143 | 6.01 | Intensity of local competition | 3.7 | 134 |
| 1.02 | Intellectual property protection | 1.6 | 144 | 6.02 | Extent of market dominance | 2.4 | 144 |
| 1.03 | Diversion of public funds | 2.1 | 137 | 6.03 | Effectiveness of anti-monopoly policy | 2.6 | 143 |
| 1.04 | Public trust in politicians | 1.5 | 144 | 6.04 | Extent and effect of taxation | 3.0 | 118 |
| 1.05 | Irregular payments and bribes | 2.7 | 131 | 6.05 | Total tax rate, % profits* | 40.8 | 78 |
| 1.06 | Judicial independence | 1.8 | 142 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 2.1 | 137 | 6.07 | No. days to start a business* | 105 | 138 |
| 1.08 | Wastefulness of government spending | 2.0 | 140 | 6.08 | Agricultural policy costs | 2.6 | 141 |
| 1.09 | Burden of government regulation | 2.9 | 115 | 6.09 | Prevalence of trade barriers | 3.5 | 130 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.1 | 143 | 6.10 | Trade tariffs, % duty* | 5.4 | 74 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.1 | 143 | 6.11 | Prevalence of foreign ownership | 3.0 | 139 |
| 1.12 | Transparency of government policymaking | 2.6 | 143 | 6.12 | Business impact of rules on FDI | 3.3 | 134 |
| 1.13 | Gov't services for improved business performance | 1.8 | 138 | 6.13 | Burden of customs procedures | 2.4 | 142 |
| 1.14 | Business costs of terrorism | 5.2 | 99 | 6.14 | Imports as a percentage of GDP* | 56.1 | 49 |
| 1.15 | Business costs of crime and violence | 2.5 | 138 | 6.15 | Degree of customer orientation | 3.2 | 142 |
| 1.16 | Organized crime | 3.5 | 135 | 6.16 | Buyer sophistication | 2.1 | 142 |
| 1.17 | Reliability of police services | 2.6 | 136 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 2.8 | 142 | 7.01 | Cooperation in labor-employer relations | 3.7 | 124 |
| 1.19 | Strength of auditing and reporting standards | 2.9 | 141 | 7.02 | Flexibility of wage determination | 5.6 | 19 |
| 1.20 | Efficacy of corporate boards | 4.2 | 97 | 7.03 | Hiring and firing practices | 4.2 | 53 |
| 1.21 | Protection of minority shareholders' interests | 2.6 | 144 | 7.04 | Redundancy costs, weeks of salary* | 10 | 38 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 3.6 | 94 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.2 | 137 | |
| 2.01 | Quality of overall infrastructure | 1.9 | 144 | 7.07 | Brain drain | 1.6 | 143 |
| 2.02 | Quality of roads | 1.8 | 143 | 7.08 | Women in labor force, ratio to men* | 0.87 | 40 |
| 2.03 | Quality of railroad infrastructure | 1.3 | 116 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 1.9 | 141 | 8.01 | Availability of financial services | 3.0 | 138 |
| 2.05 | Quality of air transport infrastructure | 2.2 | 144 | 8.02 | Affordability of financial services | 2.7 | 139 |
| 2.06 | Available airline seat kms/week, millions* | 24.4 | 113 | 8.03 | Financing through local equity market | 1.6 | 144 |
| 2.07 | Quality of electricity supply | 1.6 | 139 | 8.04 | Ease of access to loans | 1.6 | 142 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 41.5 | 136 | 8.05 | Venture capital availability | 1.5 | 144 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.5 | 134 | 8.06 | Soundness of banks | 4.4 | 115 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 1.9 | 143 | |
| 3.01 | Government budget balance, % GDP* | -3.7 | 83 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 24.5 | 48 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.4 | 101 | 9.01 | Availability of latest technologies | 3.8 | 130 |
| 3.04 | General government debt, % GDP* | 10.6 | 13 | 9.02 | Firm-level technology absorption | 3.9 | 130 |
| 3.05 | Country credit rating, 0-100 (best)* | 12.6 | 139 | 9.03 | FDI and technology transfer | 3.7 | 127 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 8.4 | 122 | |
| 4.01 | Business impact of malaria | 4.1 | 121 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 143 |
| 4.02 | Malaria cases/100,000 pop.* | 2,580.0 | 113 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.2 | 143 |
| 4.03 | Business impact of tuberculosis | 4.2 | 121 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 230.0 | 121 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.4 | 111 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 120 |
| 4.06 | HIV prevalence, % adult pop.* | 1.9 | 122 | 10.02 | Foreign market size index, 1-7 (best)* | 2.4 | 136 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 70.4 | 131 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 61.8 | 117 | 11.01 | Local supplier quantity | 3.3 | 142 |
| 4.09 | Quality of primary education | 2.1 | 139 | 11.02 | Local supplier quality | 3.3 | 141 |
| 4.10 | Primary education enrollment, net %* | 56.8 | 141 | 11.03 | State of cluster development | 2.5 | 138 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.6 | 131 | |
| 5.01 | Secondary education enrollment, gross %* | 20.8 | 144 | 11.05 | Value chain breadth | 2.7 | 131 |
| 5.02 | Tertiary education enrollment, gross %* | n/a | n/a | 11.06 | Control of international distribution | 3.3 | 130 |
| 5.03 | Quality of the educational system | 2.1 | 141 | 11.07 | Production process sophistication | 2.1 | 144 |
| 5.04 | Quality of math and science education | 2.6 | 130 | 11.08 | Extent of marketing | 2.4 | 140 |
| 5.05 | Quality of management schools | 2.7 | 140 | 11.09 | Willingness to delegate authority | 2.4 | 141 |
| 5.06 | Internet access in schools | 1.9 | 137 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.4 | 142 | 12.01 | Capacity for innovation | 2.3 | 138 |
| 5.08 | Extent of staff training | 2.3 | 144 | 12.02 | Quality of scientific research institutions | 1.9 | 144 |
| | | | | 12.03 | Company spending on R&D | 2.2 | 137 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.0 | 142 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.3 | 140 |
| | | | | 12.06 | Availability of scientists and engineers | 2.9 | 136 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 112 |

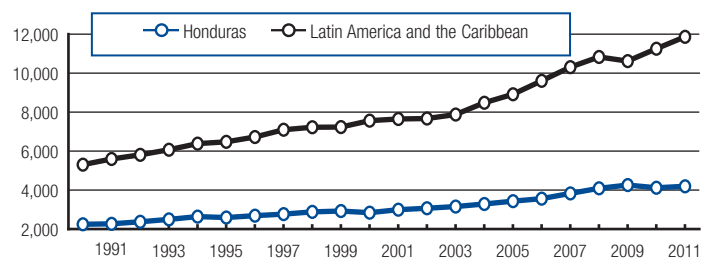
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Honduras

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 7.8 |
| GDP (US\$ billions)..... | 17.4 |
| GDP per capita (US\$)..... | 2,116 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

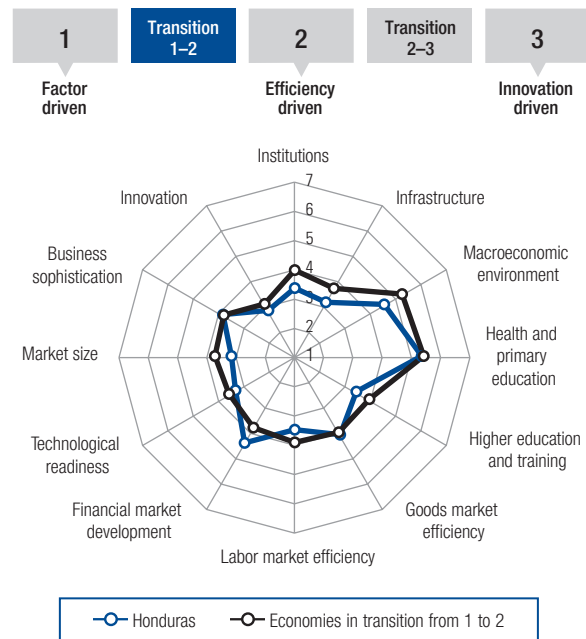
GDP (PPP) per capita (int'l \$), 1990–2011



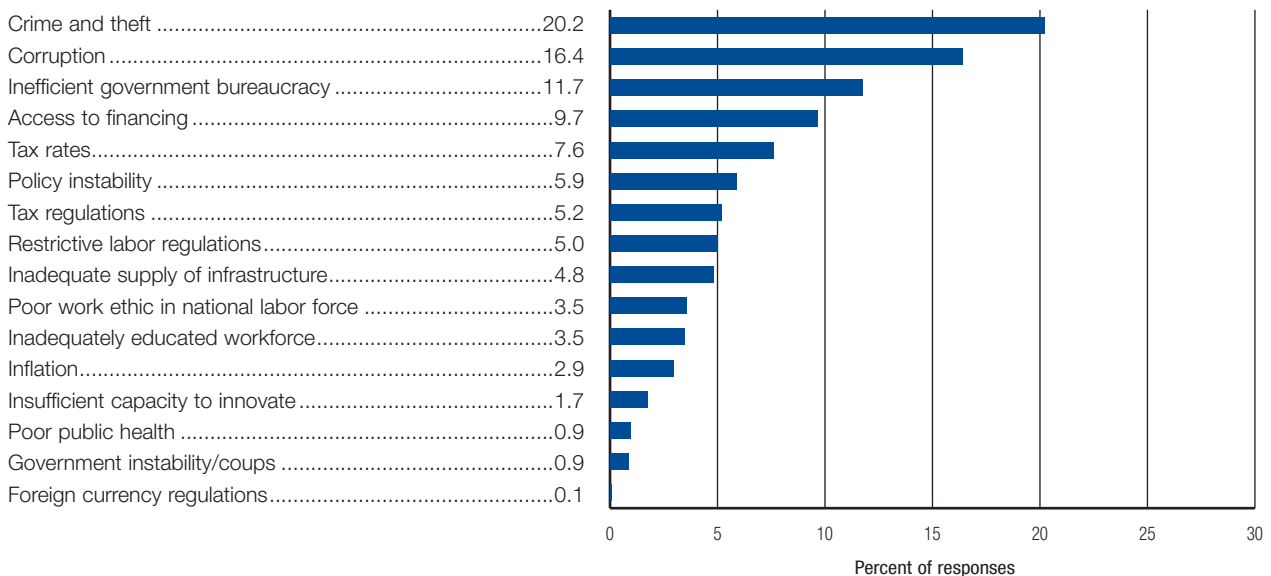
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 90 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 86 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 91 | 3.9 |
| Basic requirements (57.7%) | 101 | 4.1 |
| Institutions..... | 118 | 3.3 |
| Infrastructure..... | 101 | 3.1 |
| Macroeconomic environment..... | 80 | 4.5 |
| Health and primary education..... | 96 | 5.3 |
| Efficiency enhancers (36.7%) | 102 | 3.7 |
| Higher education and training..... | 106 | 3.4 |
| Goods market efficiency..... | 92 | 4.1 |
| Labor market efficiency..... | 134 | 3.5 |
| Financial market development..... | 51 | 4.4 |
| Technological readiness..... | 97 | 3.3 |
| Market size..... | 88 | 3.2 |
| Innovation and sophistication factors (5.6%) | 91 | 3.3 |
| Business sophistication..... | 77 | 3.8 |
| Innovation..... | 112 | 2.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Honduras

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 3.6 | 107 |
| 1.02 Intellectual property protection | 3.2 | 90 |
| 1.03 Diversion of public funds | 2.7 | 101 |
| 1.04 Public trust in politicians | 2.2 | 109 |
| 1.05 Irregular payments and bribes | 3.6 | 87 |
| 1.06 Judicial independence | 3.8 | 69 |
| 1.07 Favoritism in decisions of government officials | 2.5 | 115 |
| 1.08 Wastefulness of government spending | 2.3 | 125 |
| 1.09 Burden of government regulation | 3.1 | 93 |
| 1.10 Efficiency of legal framework in settling disputes | 3.2 | 102 |
| 1.11 Efficiency of legal framework in challenging regs. ... | 3.5 | 77 |
| 1.12 Transparency of government policymaking | 4.2 | 79 |
| 1.13 Gov't services for improved business performance 2.7 | 2.7 | 128 |
| 1.14 Business costs of terrorism | 4.2 | 131 |
| 1.15 Business costs of crime and violence | 2.0 | 142 |
| 1.16 Organized crime | 2.7 | 141 |
| 1.17 Reliability of police services | 3.0 | 125 |
| 1.18 Ethical behavior of firms | 3.8 | 79 |
| 1.19 Strength of auditing and reporting standards | 4.8 | 57 |
| 1.20 Efficacy of corporate boards | 4.6 | 63 |
| 1.21 Protection of minority shareholders' interests | 4.2 | 72 |
| 1.22 Strength of investor protection, 0–10 (best)* | 3.0 | 130 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 3.7 | 97 |
| 2.02 Quality of roads | 3.3 | 92 |
| 2.03 Quality of railroad infrastructure | 1.1 | 120 |
| 2.04 Quality of port infrastructure | 4.6 | 55 |
| 2.05 Quality of air transport infrastructure | 4.5 | 71 |
| 2.06 Available airline seat kms/week, millions* | 27.2 | 111 |
| 2.07 Quality of electricity supply | 3.6 | 106 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 104.0 | 79 |
| 2.09 Fixed telephone lines/100 pop.* | 7.9 | 100 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | -2.8 | 69 |
| 3.02 Gross national savings, % GDP* | 18.4 | 79 |
| 3.03 Inflation, annual % change* | 6.8 | 99 |
| 3.04 General government debt, % GDP* | 28.1 | 38 |
| 3.05 Country credit rating, 0–100 (best)* | 30.6 | 103 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | 5.1 | 103 |
| 4.02 Malaria cases/100,000 pop.* | 368.1 | 106 |
| 4.03 Business impact of tuberculosis | 5.2 | 81 |
| 4.04 Tuberculosis cases/100,000 pop.* | 51.0 | 73 |
| 4.05 Business impact of HIV/AIDS | 4.6 | 100 |
| 4.06 HIV prevalence, % adult pop.* | 0.8 | 98 |
| 4.07 Infant mortality, deaths/1,000 live births* | 20.3 | 86 |
| 4.08 Life expectancy, years* | 72.8 | 85 |
| 4.09 Quality of primary education | 2.2 | 135 |
| 4.10 Primary education enrollment, net %* | 94.8 | 57 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 73.5 | 100 |
| 5.02 Tertiary education enrollment, gross %* | 18.8 | 92 |
| 5.03 Quality of the educational system | 2.4 | 135 |
| 5.04 Quality of math and science education | 2.3 | 138 |
| 5.05 Quality of management schools | 3.6 | 109 |
| 5.06 Internet access in schools | 3.0 | 115 |
| 5.07 Availability of research and training services | 3.7 | 94 |
| 5.08 Extent of staff training | 4.0 | 63 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 4.6 | 89 |
| 6.02 Extent of market dominance | 3.4 | 94 |
| 6.03 Effectiveness of anti-monopoly policy | 3.7 | 94 |
| 6.04 Extent and effect of taxation | 2.8 | 127 |
| 6.05 Total tax rate, % profits* | 44.0 | 92 |
| 6.06 No. procedures to start a business* | 13 | 130 |
| 6.07 No. days to start a business* | 14 | 66 |
| 6.08 Agricultural policy costs | 3.6 | 101 |
| 6.09 Prevalence of trade barriers | 4.0 | 94 |
| 6.10 Trade tariffs, % duty* | 4.4 | 58 |
| 6.11 Prevalence of foreign ownership | 4.9 | 62 |
| 6.12 Business impact of rules on FDI | 4.4 | 91 |
| 6.13 Burden of customs procedures | 3.7 | 88 |
| 6.14 Imports as a percentage of GDP* | 68.1 | 34 |
| 6.15 Degree of customer orientation | 4.5 | 82 |
| 6.16 Buyer sophistication | 3.4 | 70 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 4.4 | 62 |
| 7.02 Flexibility of wage determination | 4.4 | 110 |
| 7.03 Hiring and firing practices | 3.2 | 121 |
| 7.04 Redundancy costs, weeks of salary* | 30 | 126 |
| 7.05 Pay and productivity | 3.4 | 109 |
| 7.06 Reliance on professional management | 3.8 | 104 |
| 7.07 Brain drain | 3.0 | 100 |
| 7.08 Women in labor force, ratio to men* | 0.52 | 127 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 5.1 | 41 |
| 8.02 Affordability of financial services | 4.5 | 49 |
| 8.03 Financing through local equity market | 2.0 | 138 |
| 8.04 Ease of access to loans | 2.8 | 71 |
| 8.05 Venture capital availability | 2.5 | 79 |
| 8.06 Soundness of banks | 5.9 | 31 |
| 8.07 Regulation of securities exchanges | 4.8 | 36 |
| 8.08 Legal rights index, 0–10 (best)* | 8 | 24 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 4.8 | 78 |
| 9.02 Firm-level technology absorption | 4.9 | 60 |
| 9.03 FDI and technology transfer | 5.1 | 29 |
| 9.04 Individuals using Internet, %* | 15.9 | 104 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 0.0 | 133 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 4.9 | 107 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 3.7 | 89 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1–7 (best)* | 3.0 | 90 |
| 10.02 Foreign market size index, 1–7 (best)* | 3.7 | 90 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 4.5 | 91 |
| 11.02 Local supplier quality | 4.5 | 70 |
| 11.03 State of cluster development | 3.8 | 63 |
| 11.04 Nature of competitive advantage | 3.0 | 108 |
| 11.05 Value chain breadth | 3.6 | 64 |
| 11.06 Control of international distribution | 4.1 | 59 |
| 11.07 Production process sophistication | 3.4 | 92 |
| 11.08 Extent of marketing | 3.9 | 78 |
| 11.09 Willingness to delegate authority | 3.8 | 60 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.8 | 98 |
| 12.02 Quality of scientific research institutions | 2.8 | 117 |
| 12.03 Company spending on R&D | 3.0 | 80 |
| 12.04 University-industry collaboration in R&D | 3.2 | 96 |
| 12.05 Gov't procurement of advanced tech products | 3.1 | 104 |
| 12.06 Availability of scientists and engineers | 3.4 | 119 |
| 12.07 PCT patents, applications/million pop.* | 0.0 | 119 |

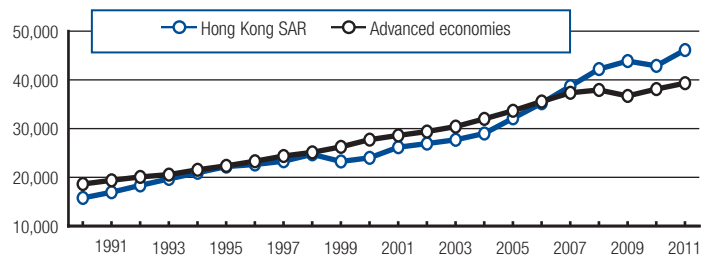
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Hong Kong SAR

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 7.4 |
| GDP (US\$ billions)..... | 243.3 |
| GDP per capita (US\$)..... | 34,049 |
| GDP (PPP) as share (%) of world total..... | 0.45 |

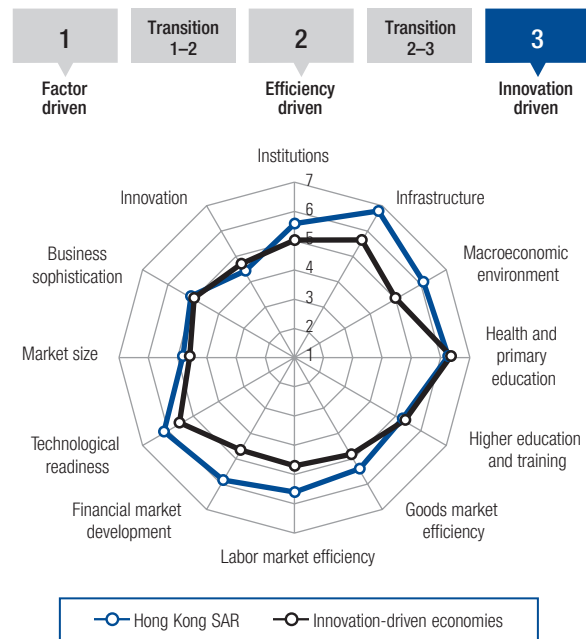
GDP (PPP) per capita (int'l \$), 1990–2011



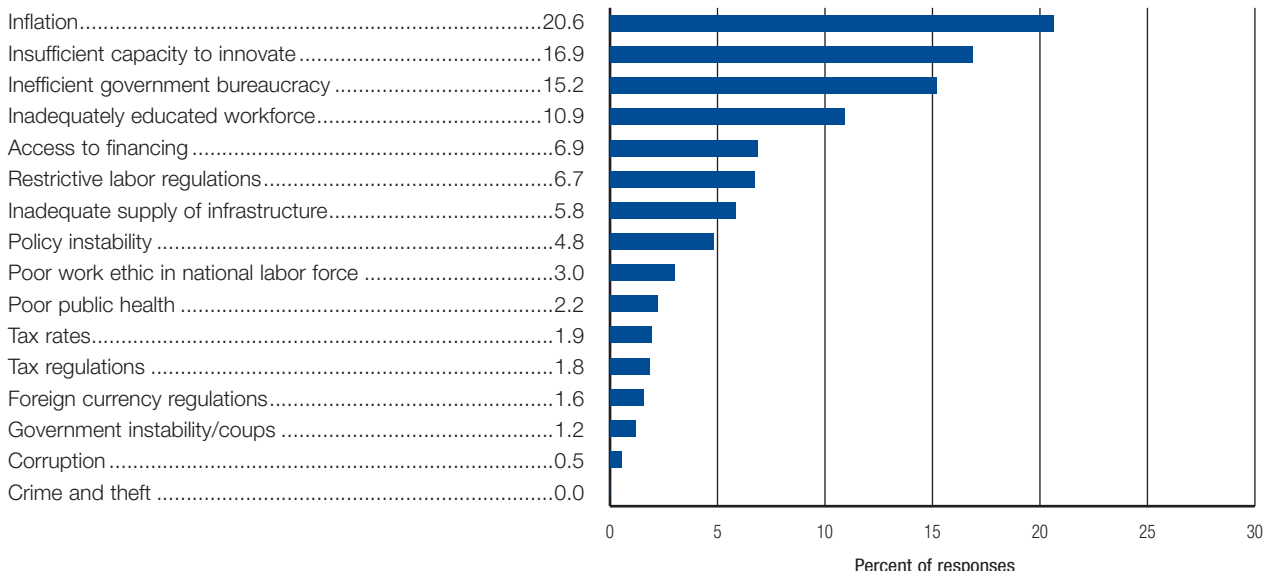
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 9 | 5.4 |
| GCI 2011–2012 (out of 142)..... | 11 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 11 | 5.3 |
| Basic requirements (20.0%) | 3 | 6.1 |
| Institutions..... | 10 | 5.5 |
| Infrastructure..... | 1 | 6.7 |
| Macroeconomic environment..... | 15 | 6.1 |
| Health and primary education..... | 26 | 6.2 |
| Efficiency enhancers (50.0%) | 3 | 5.5 |
| Higher education and training..... | 22 | 5.3 |
| Goods market efficiency..... | 2 | 5.4 |
| Labor market efficiency..... | 3 | 5.6 |
| Financial market development..... | 1 | 5.9 |
| Technological readiness..... | 4 | 6.2 |
| Market size..... | 26 | 4.8 |
| Innovation and sophistication factors (30.0%) | 22 | 4.7 |
| Business sophistication..... | 17 | 5.1 |
| Innovation..... | 26 | 4.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Hong Kong SAR

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|----------|---|---|----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 6.1 | 6.01 | Intensity of local competition | 5.8 |
| 1.02 | Intellectual property protection | 5.6 | 6.02 | Extent of market dominance | 3.9 |
| 1.03 | Diversion of public funds | 5.7 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 |
| 1.04 | Public trust in politicians | 4.1 | 6.04 | Extent and effect of taxation | 5.6 |
| 1.05 | Irregular payments and bribes | 6.1 | 6.05 | Total tax rate, % profits* | 23.0 |
| 1.06 | Judicial independence | 6.0 | 6.06 | No. procedures to start a business* | 3 |
| 1.07 | Favoritism in decisions of government officials | 3.9 | 6.07 | No. days to start a business* | 3 |
| 1.08 | Wastefulness of government spending | 4.5 | 6.08 | Agricultural policy costs | 4.7 |
| 1.09 | Burden of government regulation | 5.0 | 6.09 | Prevalence of trade barriers | 5.9 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.6 | 6.10 | Trade tariffs, % duty* | 0.0 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.4 | 6.11 | Prevalence of foreign ownership | 6.0 |
| 1.12 | Transparency of government policymaking | 5.9 | 6.12 | Business impact of rules on FDI | 6.0 |
| 1.13 | Gov't services for improved business performance | 4.7 | 6.13 | Burden of customs procedures | 6.1 |
| 1.14 | Business costs of terrorism | 5.9 | 6.14 | Imports as a percentage of GDP* | 233.1 |
| 1.15 | Business costs of crime and violence | 6.0 | 6.15 | Degree of customer orientation | 5.4 |
| 1.16 | Organized crime | 6.1 | 6.16 | Buyer sophistication | 4.7 |
| 1.17 | Reliability of police services | 6.2 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 5.7 | 7.01 | Cooperation in labor-employer relations | 5.4 |
| 1.19 | Strength of auditing and reporting standards | 6.0 | 7.02 | Flexibility of wage determination | 6.0 |
| 1.20 | Efficacy of corporate boards | 5.0 | 7.03 | Hiring and firing practices | 5.8 |
| 1.21 | Protection of minority shareholders' interests | 5.3 | 7.04 | Redundancy costs, weeks of salary* | 6 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 9.0 | 7.05 | Pay and productivity | 5.4 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.0 |
| 2.01 | Quality of overall infrastructure | 6.5 | 7.07 | Brain drain | 5.4 |
| 2.02 | Quality of roads | 6.3 | 7.08 | Women in labor force, ratio to men* | 0.76 |
| 2.03 | Quality of railroad infrastructure | 6.4 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 6.5 | 8.01 | Availability of financial services | 6.2 |
| 2.05 | Quality of air transport infrastructure | 6.7 | 8.02 | Affordability of financial services | 6.0 |
| 2.06 | Available airline seat kms/week, millions* | 2,396.3 | 8.03 | Financing through local equity market | 5.7 |
| 2.07 | Quality of electricity supply | 6.8 | 8.04 | Ease of access to loans | 4.4 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 209.6 | 8.05 | Venture capital availability | 4.5 |
| 2.09 | Fixed telephone lines/100 pop.* | 61.1 | 8.06 | Soundness of banks | 6.5 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.7 |
| 3.01 | Government budget balance, % GDP* | 3.7 | 8.08 | Legal rights index, 0-10 (best)* | 10 |
| 3.02 | Gross national savings, % GDP* | 27.0 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 5.3 | 9.01 | Availability of latest technologies | 6.5 |
| 3.04 | General government debt, % GDP* | 33.9 | 9.02 | Firm-level technology absorption | 6.0 |
| 3.05 | Country credit rating, 0-100 (best)* | 85.6 | 9.03 | FDI and technology transfer | 5.5 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 74.5 |
| 4.01 | Business impact of malaria | n/appl. | 9.05 | Broadband Internet subscriptions/100 pop.* | 42.6 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 9.06 | Int'l Internet bandwidth, kb/s per user* | 964.6 |
| 4.03 | Business impact of tuberculosis | 5.6 | 9.07 | Mobile broadband subscriptions/100 pop.* | 51.8 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 80.0 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 |
| 4.06 | HIV prevalence, % adult pop.* | 0.0 | 10.02 | Foreign market size index, 1-7 (best)* | 6.2 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 1.3 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 82.9 | 11.01 | Local supplier quantity | 5.6 |
| 4.09 | Quality of primary education | 4.8 | 11.02 | Local supplier quality | 5.4 |
| 4.10 | Primary education enrollment, net %* | 93.8 | 11.03 | State of cluster development | 5.1 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.1 |
| 5.01 | Secondary education enrollment, gross %* | 83.0 | 11.05 | Value chain breadth | 5.0 |
| 5.02 | Tertiary education enrollment, gross %* | 59.7 | 11.06 | Control of international distribution | 5.0 |
| 5.03 | Quality of the educational system | 4.8 | 11.07 | Production process sophistication | 4.7 |
| 5.04 | Quality of math and science education | 5.4 | 11.08 | Extent of marketing | 5.4 |
| 5.05 | Quality of management schools | 5.3 | 11.09 | Willingness to delegate authority | 4.6 |
| 5.06 | Internet access in schools | 6.0 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 5.5 | 12.01 | Capacity for innovation | 3.6 |
| 5.08 | Extent of staff training | 4.6 | 12.02 | Quality of scientific research institutions | 4.7 |
| | | | 12.03 | Company spending on R&D | 3.8 |
| | | | 12.04 | University-industry collaboration in R&D | 4.8 |
| | | | 12.05 | Gov't procurement of advanced tech products | 4.0 |
| | | | 12.06 | Availability of scientists and engineers | 4.6 |
| | | | 12.07 | PCT patents, applications/million pop.* | n/a |

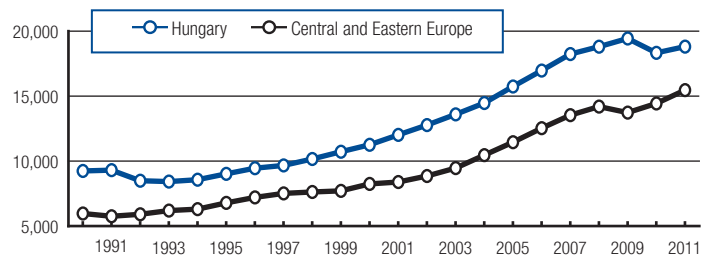
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Hungary

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 10.4 |
| GDP (US\$ billions)..... | 140.3 |
| GDP per capita (US\$)..... | 14,050 |
| GDP (PPP) as share (%) of world total..... | 0.25 |

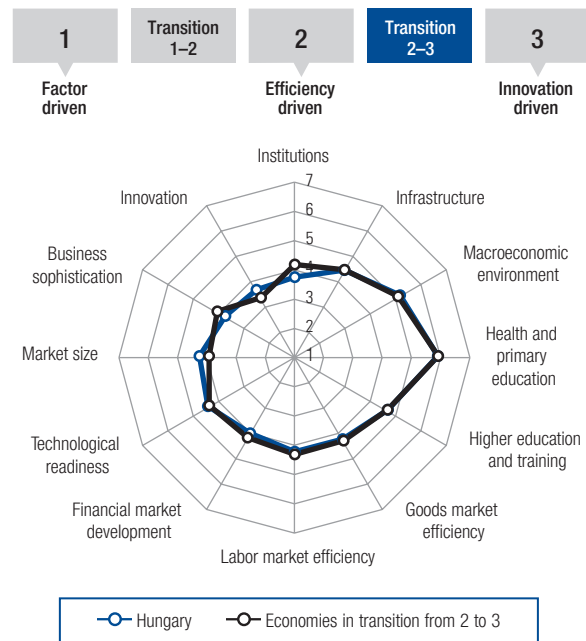
GDP (PPP) per capita (int'l \$), 1990–2011



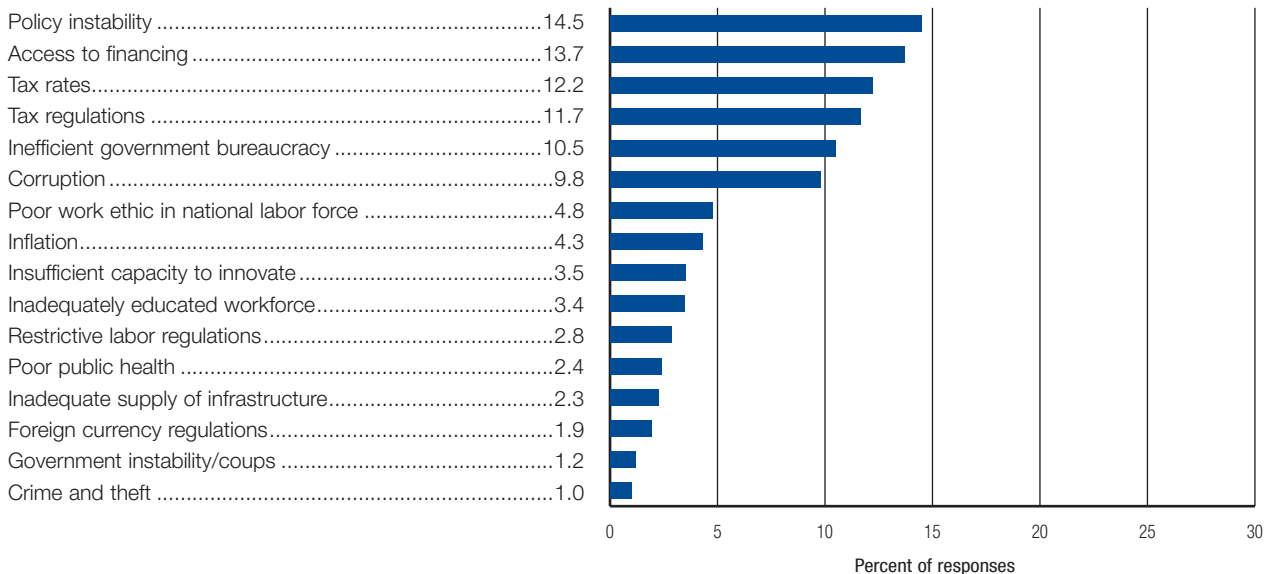
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 60 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 48 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 52 | 4.3 |
| Basic requirements (27.4%) | 55 | 4.8 |
| Institutions..... | 80 | 3.7 |
| Infrastructure..... | 50 | 4.4 |
| Macroeconomic environment..... | 44 | 5.2 |
| Health and primary education..... | 51 | 5.9 |
| Efficiency enhancers (50.0%) | 52 | 4.3 |
| Higher education and training..... | 49 | 4.7 |
| Goods market efficiency..... | 67 | 4.3 |
| Labor market efficiency..... | 79 | 4.3 |
| Financial market development..... | 72 | 4.0 |
| Technological readiness..... | 49 | 4.4 |
| Market size..... | 52 | 4.3 |
| Innovation and sophistication factors (22.6%) | 58 | 3.7 |
| Business sophistication..... | 86 | 3.7 |
| Innovation..... | 37 | 3.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Hungary

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|--------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.8.....93 | 6.01 | Intensity of local competition | 5.3.....38 |
| 1.02 | Intellectual property protection | 4.0.....48 | 6.02 | Extent of market dominance | 3.4.....91 |
| 1.03 | Diversion of public funds | 2.6.....106 | 6.03 | Effectiveness of anti-monopoly policy | 3.8.....83 |
| 1.04 | Public trust in politicians | 1.8.....128 | 6.04 | Extent and effect of taxation | 2.5.....134 |
| 1.05 | Irregular payments and bribes | 4.3.....55 | 6.05 | Total tax rate, % profits* | 52.4.....114 |
| 1.06 | Judicial independence | 3.7.....72 | 6.06 | No. procedures to start a business* | 4.....20 |
| 1.07 | Favoritism in decisions of government officials | 2.6.....107 | 6.07 | No. days to start a business* | 4.....8 |
| 1.08 | Wastefulness of government spending | 2.6.....109 | 6.08 | Agricultural policy costs | 3.8.....84 |
| 1.09 | Burden of government regulation | 2.3.....138 | 6.09 | Prevalence of trade barriers | 4.8.....32 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.0.....117 | 6.10 | Trade tariffs, % duty* | 0.9.....6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.5.....135 | 6.11 | Prevalence of foreign ownership | 5.6.....16 |
| 1.12 | Transparency of government policymaking | 3.8.....115 | 6.12 | Business impact of rules on FDI | 4.6.....77 |
| 1.13 | Gov't services for improved business performance | 3.0.....112 | 6.13 | Burden of customs procedures | 4.7.....38 |
| 1.14 | Business costs of terrorism | 6.5.....6 | 6.14 | Imports as a percentage of GDP* | 84.9.....19 |
| 1.15 | Business costs of crime and violence | 5.0.....61 | 6.15 | Degree of customer orientation | 4.3.....103 |
| 1.16 | Organized crime | 5.4.....63 | 6.16 | Buyer sophistication | 2.7.....123 |
| 1.17 | Reliability of police services | 4.2.....70 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.6.....98 | 7.01 | Cooperation in labor-employer relations | 4.0.....99 |
| 1.19 | Strength of auditing and reporting standards | 5.1.....43 | 7.02 | Flexibility of wage determination | 5.0.....72 |
| 1.20 | Efficacy of corporate boards | 4.3.....94 | 7.03 | Hiring and firing practices | 4.2.....50 |
| 1.21 | Protection of minority shareholders' interests | 4.0.....85 | 7.04 | Redundancy costs, weeks of salary* | 13.....60 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3.....101 | 7.05 | Pay and productivity | 3.9.....70 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9.....90 |
| 2.01 | Quality of overall infrastructure | 4.8.....51 | 7.07 | Brain drain | 2.3.....129 |
| 2.02 | Quality of roads | 4.0.....69 | 7.08 | Women in labor force, ratio to men* | 0.83.....61 |
| 2.03 | Quality of railroad infrastructure | 3.5.....42 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 4.0.....83 | 8.01 | Availability of financial services | 4.9.....53 |
| 2.05 | Quality of air transport infrastructure | 4.2.....91 | 8.02 | Affordability of financial services | 3.7.....98 |
| 2.06 | Available airline seat kms/week, millions* | 118.5.....75 | 8.03 | Financing through local equity market | 2.7.....114 |
| 2.07 | Quality of electricity supply | 5.7.....40 | 8.04 | Ease of access to loans | 2.3.....114 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 117.3.....49 | 8.05 | Venture capital availability | 2.1.....115 |
| 2.09 | Fixed telephone lines/100 pop.* | 29.4.....42 | 8.06 | Soundness of banks | 4.9.....86 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.8.....38 |
| 3.01 | Government budget balance, % GDP* | 4.0.....13 | 8.08 | Legal rights index, 0-10 (best)* | 7.....43 |
| 3.02 | Gross national savings, % GDP* | 20.7.....70 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 3.9.....54 | 9.01 | Availability of latest technologies | 5.2.....55 |
| 3.04 | General government debt, % GDP* | 80.4.....125 | 9.02 | Firm-level technology absorption | 4.8.....64 |
| 3.05 | Country credit rating, 0-100 (best)* | 53.1.....63 | 9.03 | FDI and technology transfer | 5.4.....12 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 59.0.....43 |
| 4.01 | Business impact of malaria | n/appl.....1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 22.2.....29 |
| 4.02 | Malaria cases/100,000 pop.* | (NE).....1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 12.2.....77 |
| 4.03 | Business impact of tuberculosis | 6.2.....31 | 9.07 | Mobile broadband subscriptions/100 pop.* | 13.2.....61 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 15.0.....35 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 6.3.....15 | 10.01 | Domestic market size index, 1-7 (best)* | 3.9.....55 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1.....12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.2.....34 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.4.....35 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 74.2.....58 | 11.01 | Local supplier quantity | 4.4.....97 |
| 4.09 | Quality of primary education | 4.2.....57 | 11.02 | Local supplier quality | 4.6.....63 |
| 4.10 | Primary education enrollment, net %* | 92.4.....81 | 11.03 | State of cluster development | 3.2.....104 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5.....71 |
| 5.01 | Secondary education enrollment, gross %* | 98.3.....40 | 11.05 | Value chain breadth | 3.5.....74 |
| 5.02 | Tertiary education enrollment, gross %* | 61.7.....30 | 11.06 | Control of international distribution | 3.6.....115 |
| 5.03 | Quality of the educational system | 3.4.....90 | 11.07 | Production process sophistication | 3.6.....67 |
| 5.04 | Quality of math and science education | 4.5.....39 | 11.08 | Extent of marketing | 4.2.....59 |
| 5.05 | Quality of management schools | 4.1.....81 | 11.09 | Willingness to delegate authority | 3.0.....126 |
| 5.06 | Internet access in schools | 5.4.....30 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.9.....83 | 12.01 | Capacity for innovation | 3.5.....45 |
| 5.08 | Extent of staff training | 3.5.....110 | 12.02 | Quality of scientific research institutions | 5.1.....20 |
| | | | 12.03 | Company spending on R&D | 2.7.....103 |
| | | | 12.04 | University-industry collaboration in R&D | 4.3.....37 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.1.....110 |
| | | | 12.06 | Availability of scientists and engineers | 4.4.....50 |
| | | | 12.07 | PCT patents, applications/million pop.* | 22.1.....27 |

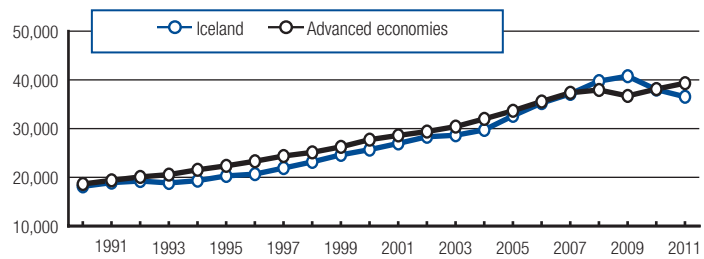
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Iceland

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 0.3 |
| GDP (US\$ billions)..... | 14.0 |
| GDP per capita (US\$)..... | 43,088 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

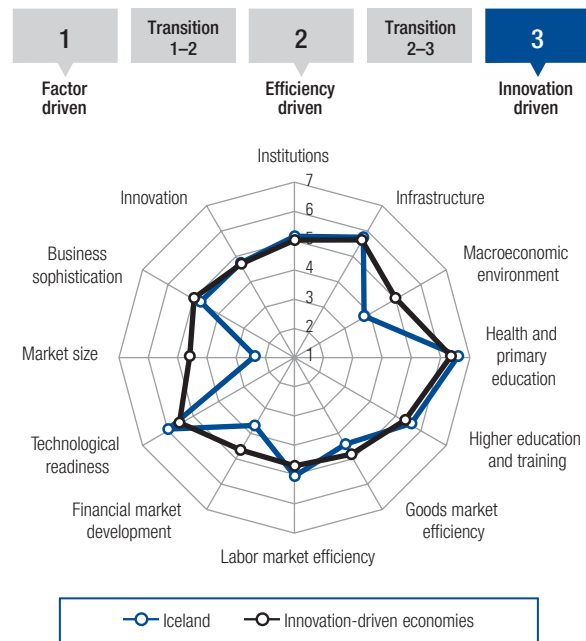
GDP (PPP) per capita (int'l \$), 1990–2011



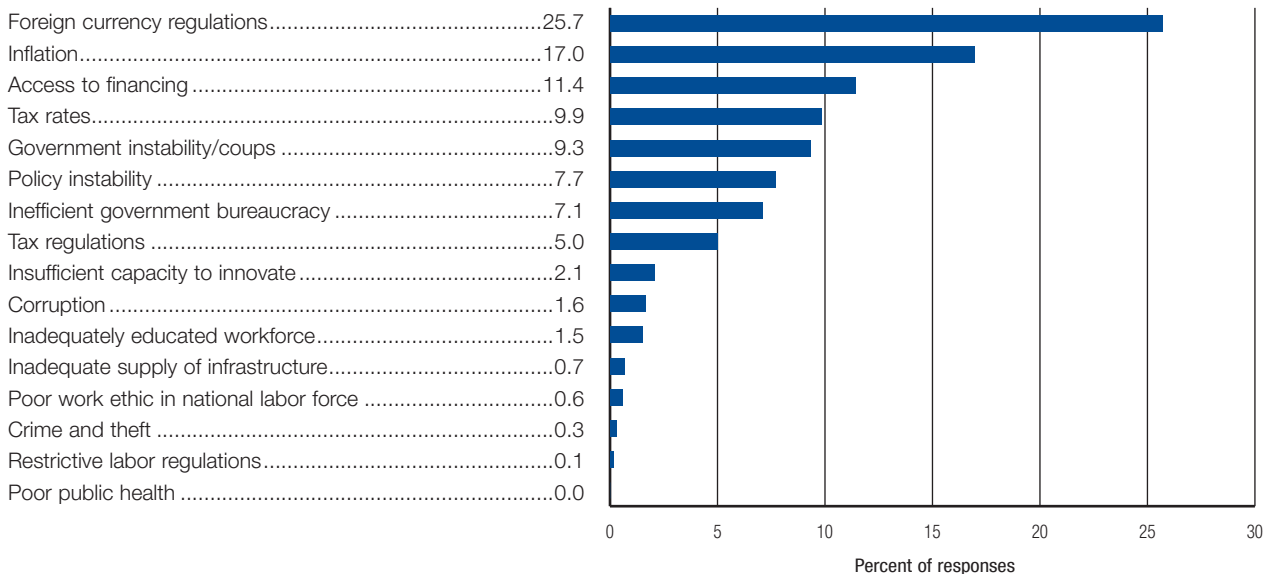
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 30 | 4.7 |
| GCI 2011–2012 (out of 142)..... | 30 | 4.7 |
| GCI 2010–2011 (out of 139)..... | 31 | 4.7 |
| Basic requirements (20.0%) | 30 | 5.3 |
| Institutions..... | 23 | 5.1 |
| Infrastructure..... | 20 | 5.7 |
| Macroeconomic environment..... | 123 | 3.7 |
| Health and primary education..... | 6 | 6.6 |
| Efficiency enhancers (50.0%) | 36 | 4.5 |
| Higher education and training..... | 13 | 5.6 |
| Goods market efficiency..... | 45 | 4.5 |
| Labor market efficiency..... | 12 | 5.1 |
| Financial market development..... | 97 | 3.7 |
| Technological readiness..... | 8 | 6.0 |
| Market size..... | 126 | 2.4 |
| Innovation and sophistication factors (30.0%) | 24 | 4.7 |
| Business sophistication..... | 29 | 4.7 |
| Innovation..... | 20 | 4.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.1 | 39 | 6.01 | Intensity of local competition | 4.6 | 84 |
| 1.02 | Intellectual property protection | 5.2 | 26 | 6.02 | Extent of market dominance | 3.5 | 82 |
| 1.03 | Diversion of public funds | 5.3 | 20 | 6.03 | Effectiveness of anti-monopoly policy | 4.5 | 37 |
| 1.04 | Public trust in politicians | 2.8 | 68 | 6.04 | Extent and effect of taxation | 3.0 | 119 |
| 1.05 | Irregular payments and bribes | 6.4 | 5 | 6.05 | Total tax rate, % profits* | 31.8 | 42 |
| 1.06 | Judicial independence | 5.7 | 18 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.8 | 36 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 4.1 | 24 | 6.08 | Agricultural policy costs | 3.3 | 115 |
| 1.09 | Burden of government regulation | 4.2 | 20 | 6.09 | Prevalence of trade barriers | 3.9 | 102 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.7 | 27 | 6.10 | Trade tariffs, % duty* | 4.1 | 51 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 29 | 6.11 | Prevalence of foreign ownership | 3.1 | 138 |
| 1.12 | Transparency of government policymaking | 5.0 | 24 | 6.12 | Business impact of rules on FDI | 2.9 | 140 |
| 1.13 | Gov't services for improved business performance | 3.4 | 83 | 6.13 | Burden of customs procedures | 5.1 | 16 |
| 1.14 | Business costs of terrorism | 6.6 | 3 | 6.14 | Imports as a percentage of GDP* | 52.4 | 57 |
| 1.15 | Business costs of crime and violence | 6.3 | 5 | 6.15 | Degree of customer orientation | 5.4 | 17 |
| 1.16 | Organized crime | 6.5 | 9 | 6.16 | Buyer sophistication | 3.8 | 46 |
| 1.17 | Reliability of police services | 6.2 | 9 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.6 | 19 | 7.01 | Cooperation in labor-employer relations | 5.4 | 10 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 70 | 7.02 | Flexibility of wage determination | 4.1 | 122 |
| 1.20 | Efficacy of corporate boards | 4.7 | 50 | 7.03 | Hiring and firing practices | 5.2 | 6 |
| 1.21 | Protection of minority shareholders' interests | 4.4 | 54 | 7.04 | Redundancy costs, weeks of salary* | 10 | 38 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.1 | 58 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.3 | 22 | |
| 2.01 | Quality of overall infrastructure | 6.3 | 7 | 7.07 | Brain drain | 4.6 | 26 |
| 2.02 | Quality of roads | 5.2 | 31 | 7.08 | Women in labor force, ratio to men* | 0.94 | 12 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.2 | 8 | 8.01 | Availability of financial services | 3.8 | 105 |
| 2.05 | Quality of air transport infrastructure | 6.2 | 9 | 8.02 | Affordability of financial services | 3.4 | 119 |
| 2.06 | Available airline seat kms/week, millions* | 102.3 | 76 | 8.03 | Financing through local equity market | 3.0 | 99 |
| 2.07 | Quality of electricity supply | 6.8 | 2 | 8.04 | Ease of access to loans | 2.7 | 78 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 106.1 | 71 | 8.05 | Venture capital availability | 2.6 | 65 |
| 2.09 | Fixed telephone lines/100 pop.* | 58.4 | 6 | 8.06 | Soundness of banks | 3.7 | 136 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 66 | |
| 3.01 | Government budget balance, % GDP* | -4.6 | 106 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 7.8 | 132 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.0 | 56 | 9.01 | Availability of latest technologies | 6.5 | 7 |
| 3.04 | General government debt, % GDP* | 99.2 | 134 | 9.02 | Firm-level technology absorption | 6.3 | 2 |
| 3.05 | Country credit rating, 0-100 (best)* | 50.4 | 69 | 9.03 | FDI and technology transfer | 4.3 | 95 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 95.0 | 1 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 33.9 | 8 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 287.1 | 3 |
| 4.03 | Business impact of tuberculosis | 6.7 | 6 | 9.07 | Mobile broadband subscriptions/100 pop.* | 60.7 | 11 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 5.0 | 11 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.5 | 7 | 10.01 | Domestic market size index, 1-7 (best)* | 2.1 | 127 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 3.2 | 113 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 1.6 | 2 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.5 | 9 | 11.01 | Local supplier quantity | 4.2 | 113 |
| 4.09 | Quality of primary education | 5.5 | 12 | 11.02 | Local supplier quality | 5.1 | 31 |
| 4.10 | Primary education enrollment, net %* | 99.4 | 11 | 11.03 | State of cluster development | 4.1 | 40 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.9 | 42 | |
| 5.01 | Secondary education enrollment, gross %* | 107.2 | 14 | 11.05 | Value chain breadth | 4.1 | 37 |
| 5.02 | Tertiary education enrollment, gross %* | 74.1 | 15 | 11.06 | Control of international distribution | 5.2 | 6 |
| 5.03 | Quality of the educational system | 5.4 | 8 | 11.07 | Production process sophistication | 5.2 | 22 |
| 5.04 | Quality of math and science education | 5.0 | 22 | 11.08 | Extent of marketing | 5.2 | 28 |
| 5.05 | Quality of management schools | 5.2 | 18 | 11.09 | Willingness to delegate authority | 5.1 | 11 |
| 5.06 | Internet access in schools | 6.5 | 1 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.9 | 29 | 12.01 | Capacity for innovation | 4.4 | 21 |
| 5.08 | Extent of staff training | 4.7 | 21 | 12.02 | Quality of scientific research institutions | 5.0 | 23 |
| | | | | 12.03 | Company spending on R&D | 3.9 | 27 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.9 | 20 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 30 |
| | | | | 12.06 | Availability of scientists and engineers | 5.0 | 17 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 96.8 | 17 |

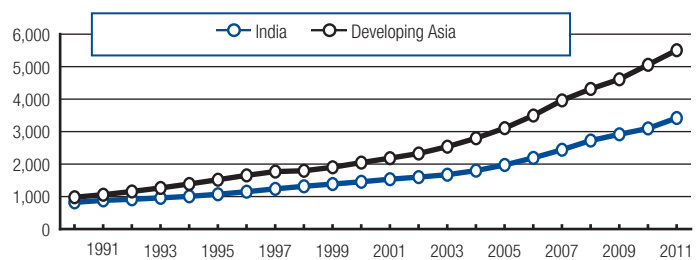
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

India

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 1,250.2 |
| GDP (US\$ billions)..... | 1,676.1 |
| GDP per capita (US\$)..... | 1,389 |
| GDP (PPP) as share (%) of world total..... | 5.65 |

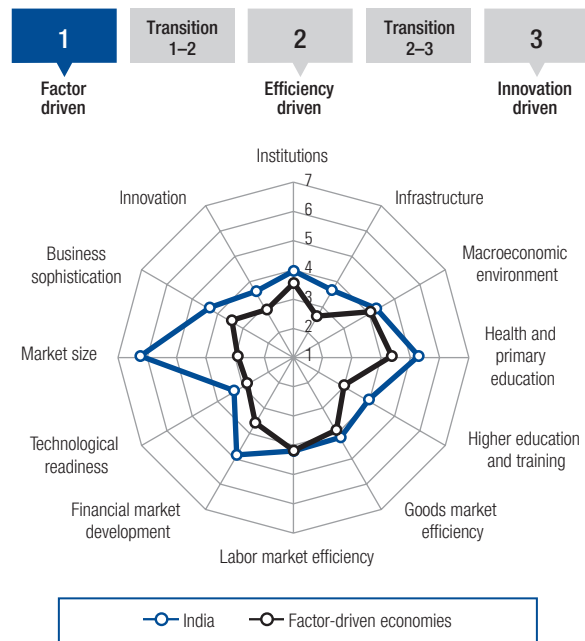
GDP (PPP) per capita (int'l \$), 1990–2011



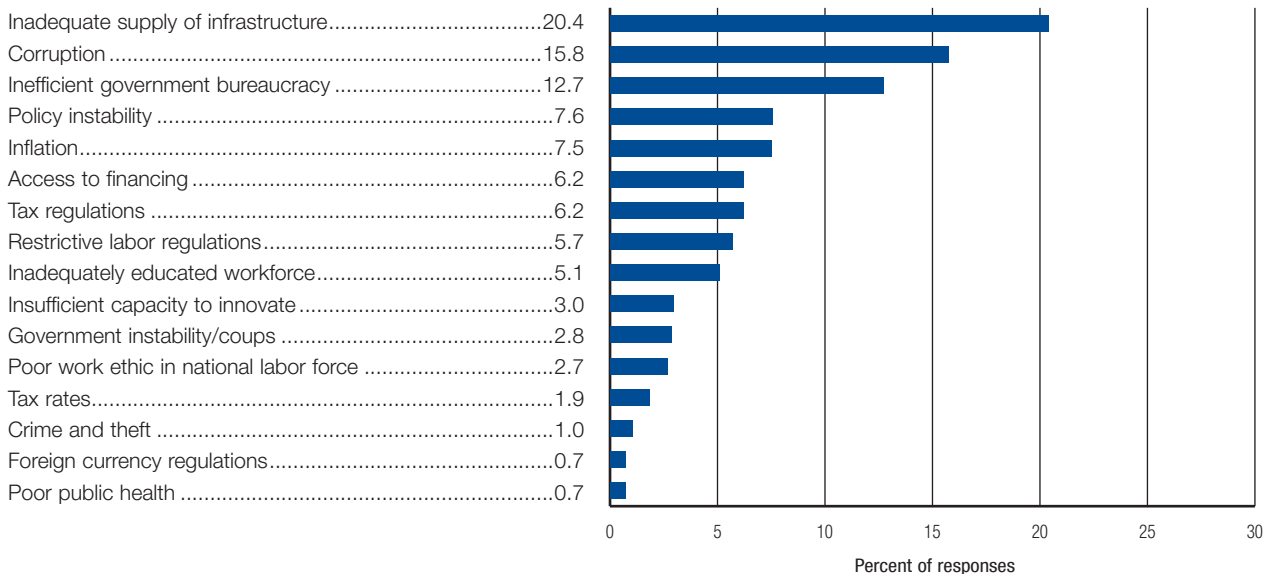
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 59 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 56 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 51 | 4.3 |
| Basic requirements (60.0%) | 85 | 4.3 |
| Institutions..... | 70 | 3.9 |
| Infrastructure..... | 84 | 3.6 |
| Macroeconomic environment..... | 99 | 4.3 |
| Health and primary education..... | 101 | 5.3 |
| Efficiency enhancers (35.0%) | 39 | 4.5 |
| Higher education and training..... | 86 | 4.0 |
| Goods market efficiency..... | 75 | 4.2 |
| Labor market efficiency..... | 82 | 4.2 |
| Financial market development..... | 21 | 4.9 |
| Technological readiness..... | 96 | 3.4 |
| Market size..... | 3 | 6.2 |
| Innovation and sophistication factors (5.0%) | 43 | 3.9 |
| Business sophistication..... | 40 | 4.3 |
| Innovation..... | 41 | 3.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.4 | 61 | 6.01 | Intensity of local competition | 5.4 | 34 |
| 1.02 | Intellectual property protection | 3.7 | 63 | 6.02 | Extent of market dominance | 4.5 | 27 |
| 1.03 | Diversion of public funds | 2.8 | 91 | 6.03 | Effectiveness of anti-monopoly policy | 4.6 | 34 |
| 1.04 | Public trust in politicians | 2.2 | 106 | 6.04 | Extent and effect of taxation | 3.8 | 44 |
| 1.05 | Irregular payments and bribes | 3.4 | 99 | 6.05 | Total tax rate, % profits* | 61.8 | 123 |
| 1.06 | Judicial independence | 4.5 | 45 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 92 | 6.07 | No. days to start a business* | 29 | 99 |
| 1.08 | Wastefulness of government spending | 3.4 | 63 | 6.08 | Agricultural policy costs | 3.7 | 87 |
| 1.09 | Burden of government regulation | 3.0 | 98 | 6.09 | Prevalence of trade barriers | 4.2 | 78 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 59 | 6.10 | Trade tariffs, % duty* | 12.6 | 126 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 52 | 6.11 | Prevalence of foreign ownership | 4.5 | 84 |
| 1.12 | Transparency of government policymaking | 4.3 | 65 | 6.12 | Business impact of rules on FDI | 4.7 | 62 |
| 1.13 | Gov't services for improved business performance | 3.6 | 75 | 6.13 | Burden of customs procedures | 3.8 | 84 |
| 1.14 | Business costs of terrorism | 4.8 | 114 | 6.14 | Imports as a percentage of GDP* | 34.7 | 101 |
| 1.15 | Business costs of crime and violence | 5.0 | 64 | 6.15 | Degree of customer orientation | 4.7 | 60 |
| 1.16 | Organized crime | 5.0 | 81 | 6.16 | Buyer sophistication | 3.7 | 53 |
| 1.17 | Reliability of police services | 4.3 | 69 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.8 | 81 | 7.01 | Cooperation in labor-employer relations | 4.5 | 50 |
| 1.19 | Strength of auditing and reporting standards | 5.0 | 44 | 7.02 | Flexibility of wage determination | 5.1 | 61 |
| 1.20 | Efficacy of corporate boards | 4.4 | 75 | 7.03 | Hiring and firing practices | 4.0 | 71 |
| 1.21 | Protection of minority shareholders' interests | 4.4 | 52 | 7.04 | Redundancy costs, weeks of salary* | 16 | 73 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.3 | 43 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.6 | 46 | |
| 2.01 | Quality of overall infrastructure | 3.8 | 87 | 7.07 | Brain drain | 4.5 | 30 |
| 2.02 | Quality of roads | 3.5 | 86 | 7.08 | Women in labor force, ratio to men* | 0.36 | 133 |
| 2.03 | Quality of railroad infrastructure | 4.4 | 27 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 80 | 8.01 | Availability of financial services | 5.0 | 44 |
| 2.05 | Quality of air transport infrastructure | 4.7 | 68 | 8.02 | Affordability of financial services | 4.9 | 33 |
| 2.06 | Available airline seat kms/week, millions* | 3,246.9 | 13 | 8.03 | Financing through local equity market | 4.6 | 19 |
| 2.07 | Quality of electricity supply | 3.2 | 110 | 8.04 | Ease of access to loans | 3.3 | 38 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 72.0 | 116 | 8.05 | Venture capital availability | 3.4 | 26 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.6 | 118 | 8.06 | Soundness of banks | 5.7 | 38 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.2 | 28 | |
| 3.01 | Government budget balance, % GDP* | -8.7 | 136 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 31.6 | 22 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.6 | 116 | 9.01 | Availability of latest technologies | 5.3 | 47 |
| 3.04 | General government debt, % GDP* | 68.1 | 111 | 9.02 | Firm-level technology absorption | 5.2 | 40 |
| 3.05 | Country credit rating, 0-100 (best)* | 64.0 | 43 | 9.03 | FDI and technology transfer | 4.9 | 44 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 10.1 | 119 | |
| 4.01 | Business impact of malaria | 4.5 | 110 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.0 | 101 |
| 4.02 | Malaria cases/100,000 pop.* | 1,862.2 | 112 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 5.4 | 104 |
| 4.03 | Business impact of tuberculosis | 4.6 | 102 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.9 | 102 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 185.0 | 113 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 102 | 10.01 | Domestic market size index, 1-7 (best)* | 6.2 | 3 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 6.4 | 4 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 48.2 | 112 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 65.1 | 110 | 11.01 | Local supplier quantity | 5.6 | 10 |
| 4.09 | Quality of primary education | 3.5 | 81 | 11.02 | Local supplier quality | 4.5 | 69 |
| 4.10 | Primary education enrollment, net %* | 92.1 | 84 | 11.03 | State of cluster development | 4.5 | 29 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 75 | |
| 5.01 | Secondary education enrollment, gross %* | 63.2 | 107 | 11.05 | Value chain breadth | 4.1 | 38 |
| 5.02 | Tertiary education enrollment, gross %* | 17.9 | 95 | 11.06 | Control of international distribution | 4.2 | 51 |
| 5.03 | Quality of the educational system | 4.4 | 34 | 11.07 | Production process sophistication | 4.1 | 46 |
| 5.04 | Quality of math and science education | 4.7 | 30 | 11.08 | Extent of marketing | 4.4 | 48 |
| 5.05 | Quality of management schools | 4.9 | 33 | 11.09 | Willingness to delegate authority | 3.9 | 50 |
| 5.06 | Internet access in schools | 4.0 | 75 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 59 | 12.01 | Capacity for innovation | 3.5 | 42 |
| 5.08 | Extent of staff training | 4.1 | 54 | 12.02 | Quality of scientific research institutions | 4.4 | 39 |
| | | | | 12.03 | Company spending on R&D | 3.5 | 37 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 51 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 83 |
| | | | | 12.06 | Availability of scientists and engineers | 5.0 | 16 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.2 | 63 |

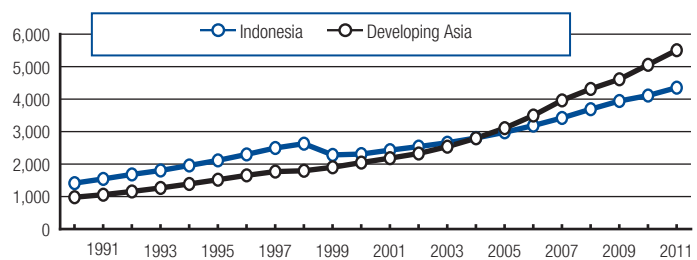
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Indonesia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 244.2 |
| GDP (US\$ billions)..... | 845.7 |
| GDP per capita (US\$)..... | 3,509 |
| GDP (PPP) as share (%) of world total..... | 1.43 |

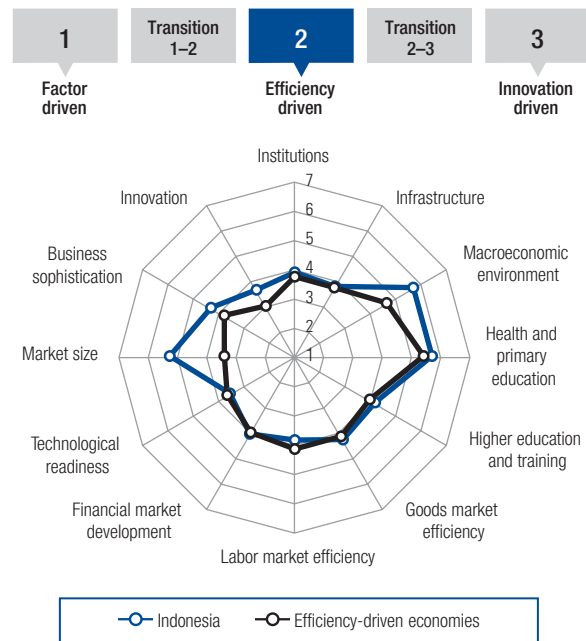
GDP (PPP) per capita (int'l \$), 1990–2011



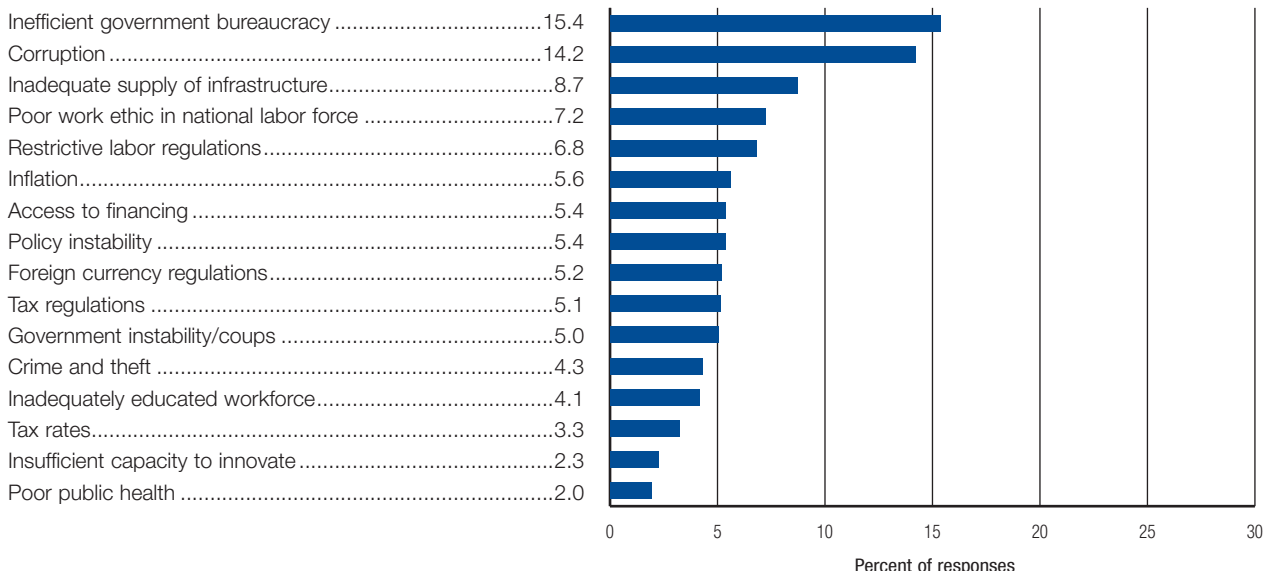
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 50 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 46 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 44 | 4.4 |
| Basic requirements (40.0%) | 58 | 4.7 |
| Institutions..... | 72 | 3.9 |
| Infrastructure..... | 78 | 3.7 |
| Macroeconomic environment..... | 25 | 5.7 |
| Health and primary education..... | 70 | 5.7 |
| Efficiency enhancers (50.0%) | 58 | 4.2 |
| Higher education and training..... | 73 | 4.2 |
| Goods market efficiency..... | 63 | 4.3 |
| Labor market efficiency..... | 120 | 3.9 |
| Financial market development..... | 70 | 4.1 |
| Technological readiness..... | 85 | 3.6 |
| Market size..... | 16 | 5.3 |
| Innovation and sophistication factors (10.0%) | 40 | 4.0 |
| Business sophistication..... | 42 | 4.3 |
| Innovation..... | 39 | 3.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Indonesia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 82 | 6.01 | Intensity of local competition | 4.4 | 96 |
| 1.02 | Intellectual property protection | 3.7 | 60 | 6.02 | Extent of market dominance | 3.9 | 57 |
| 1.03 | Diversion of public funds | 3.4 | 65 | 6.03 | Effectiveness of anti-monopoly policy | 4.5 | 41 |
| 1.04 | Public trust in politicians | 3.0 | 60 | 6.04 | Extent and effect of taxation | 4.1 | 30 |
| 1.05 | Irregular payments and bribes | 3.2 | 111 | 6.05 | Total tax rate, % profits* | 34.5 | 54 |
| 1.06 | Judicial independence | 3.6 | 76 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 3.8 | 35 | 6.07 | No. days to start a business* | 45 | 125 |
| 1.08 | Wastefulness of government spending | 3.8 | 32 | 6.08 | Agricultural policy costs | 4.2 | 40 |
| 1.09 | Burden of government regulation | 3.7 | 48 | 6.09 | Prevalence of trade barriers | 4.3 | 75 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 66 | 6.10 | Trade tariffs, % duty* | 4.6 | 61 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.8 | 63 | 6.11 | Prevalence of foreign ownership | 4.6 | 74 |
| 1.12 | Transparency of government policymaking | 4.2 | 82 | 6.12 | Business impact of rules on FDI | 4.6 | 78 |
| 1.13 | Gov't services for improved business performance | 4.5 | 21 | 6.13 | Burden of customs procedures | 4.0 | 73 |
| 1.14 | Business costs of terrorism | 4.6 | 121 | 6.14 | Imports as a percentage of GDP* | 24.6 | 132 |
| 1.15 | Business costs of crime and violence | 4.3 | 98 | 6.15 | Degree of customer orientation | 4.6 | 72 |
| 1.16 | Organized crime | 4.1 | 116 | 6.16 | Buyer sophistication | 3.8 | 45 |
| 1.17 | Reliability of police services | 3.9 | 85 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 96 | 7.01 | Cooperation in labor-employer relations | 4.4 | 61 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 87 | 7.02 | Flexibility of wage determination | 4.4 | 114 |
| 1.20 | Efficacy of corporate boards | 4.6 | 62 | 7.03 | Hiring and firing practices | 4.2 | 52 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 62 | 7.04 | Redundancy costs, weeks of salary* | 58 | 137 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.4 | 34 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.5 | 52 | |
| 2.01 | Quality of overall infrastructure | 3.7 | 92 | 7.07 | Brain drain | 4.0 | 42 |
| 2.02 | Quality of roads | 3.4 | 90 | 7.08 | Women in labor force, ratio to men* | 0.62 | 113 |
| 2.03 | Quality of railroad infrastructure | 3.2 | 51 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 104 | 8.01 | Availability of financial services | 4.8 | 58 |
| 2.05 | Quality of air transport infrastructure | 4.2 | 89 | 8.02 | Affordability of financial services | 4.4 | 56 |
| 2.06 | Available airline seat kms/week, millions* | 1,794.9 | 20 | 8.03 | Financing through local equity market | 4.4 | 30 |
| 2.07 | Quality of electricity supply | 3.9 | 93 | 8.04 | Ease of access to loans | 3.9 | 16 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 97.7 | 90 | 8.05 | Venture capital availability | 3.6 | 21 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.9 | 78 | 8.06 | Soundness of banks | 4.6 | 99 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.4 | 53 | |
| 3.01 | Government budget balance, % GDP* | -1.6 | 45 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 33.0 | 19 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.4 | 81 | 9.01 | Availability of latest technologies | 4.9 | 72 |
| 3.04 | General government debt, % GDP* | 25.0 | 34 | 9.02 | Firm-level technology absorption | 4.9 | 56 |
| 3.05 | Country credit rating, 0-100 (best)* | 58.0 | 52 | 9.03 | FDI and technology transfer | 4.8 | 61 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 18.0 | 100 | |
| 4.01 | Business impact of malaria | 4.4 | 113 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.1 | 99 |
| 4.02 | Malaria cases/100,000 pop.* | 1,374.8 | 111 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 7.2 | 94 |
| 4.03 | Business impact of tuberculosis | 3.9 | 126 | 9.07 | Mobile broadband subscriptions/100 pop.* | 22.2 | 43 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 189.0 | 114 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.0 | 124 | 10.01 | Domestic market size index, 1-7 (best)* | 5.2 | 16 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 5.5 | 23 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 27.2 | 97 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.9 | 99 | 11.01 | Local supplier quantity | 4.8 | 67 |
| 4.09 | Quality of primary education | 4.1 | 60 | 11.02 | Local supplier quality | 4.6 | 62 |
| 4.10 | Primary education enrollment, net %* | 96.0 | 44 | 11.03 | State of cluster development | 4.3 | 33 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.8 | 47 | |
| 5.01 | Secondary education enrollment, gross %* | 77.2 | 95 | 11.05 | Value chain breadth | 4.4 | 30 |
| 5.02 | Tertiary education enrollment, gross %* | 23.1 | 85 | 11.06 | Control of international distribution | 4.4 | 39 |
| 5.03 | Quality of the educational system | 4.1 | 47 | 11.07 | Production process sophistication | 4.0 | 51 |
| 5.04 | Quality of math and science education | 4.4 | 45 | 11.08 | Extent of marketing | 4.3 | 56 |
| 5.05 | Quality of management schools | 4.2 | 70 | 11.09 | Willingness to delegate authority | 4.1 | 40 |
| 5.06 | Internet access in schools | 4.5 | 56 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 57 | 12.01 | Capacity for innovation | 3.9 | 30 |
| 5.08 | Extent of staff training | 4.3 | 39 | 12.02 | Quality of scientific research institutions | 3.9 | 56 |
| | | | | 12.03 | Company spending on R&D | 3.9 | 25 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.2 | 40 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 29 |
| | | | | 12.06 | Availability of scientists and engineers | 4.3 | 51 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 101 |

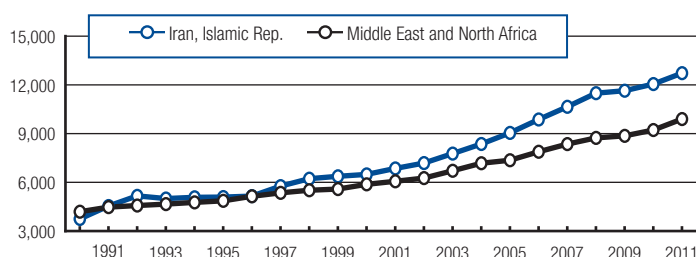
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Iran, Islamic Rep.

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 75.6 |
| GDP (US\$ billions)..... | 482.4 |
| GDP per capita (US\$)..... | 6,360 |
| GDP (PPP) as share (%) of world total..... | 1.26 |

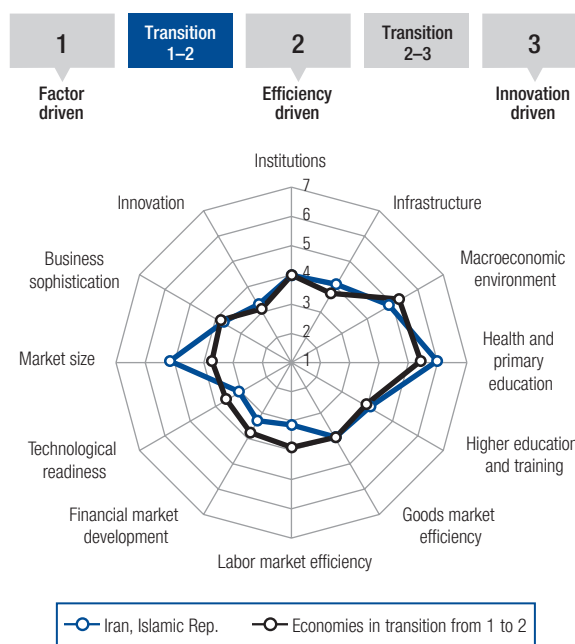
GDP (PPP) per capita (int'l \$), 1990–2011



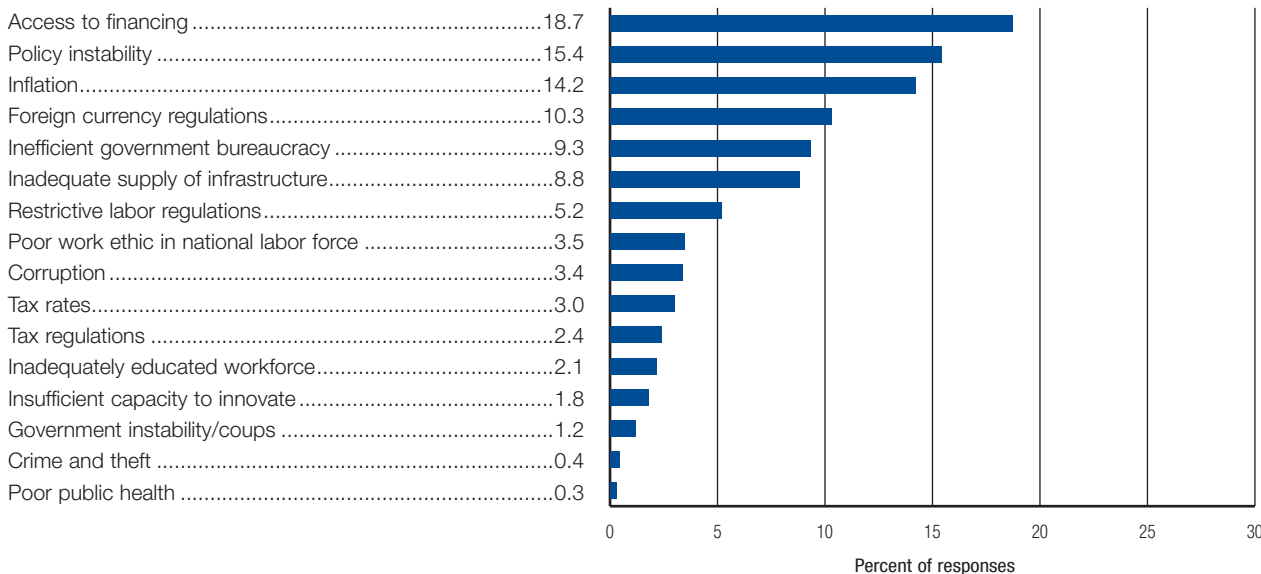
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 66 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 62 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 69 | 4.1 |
| Basic requirements (49.1%) | 59 | 4.7 |
| Institutions..... | 68 | 3.9 |
| Infrastructure..... | 69 | 4.0 |
| Macroeconomic environment..... | 57 | 4.8 |
| Health and primary education..... | 46 | 6.0 |
| Efficiency enhancers (43.2%) | 90 | 3.8 |
| Higher education and training..... | 78 | 4.1 |
| Goods market efficiency..... | 98 | 4.0 |
| Labor market efficiency..... | 141 | 3.2 |
| Financial market development..... | 123 | 3.4 |
| Technological readiness..... | 111 | 3.1 |
| Market size..... | 18 | 5.2 |
| Innovation and sophistication factors (7.7%) | 77 | 3.5 |
| Business sophistication..... | 93 | 3.7 |
| Innovation..... | 65 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Iran, Islamic Rep.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.6 | 55 | 6.01 | Intensity of local competition | 4.3 | 106 |
| 1.02 | Intellectual property protection | 2.9 | 112 | 6.02 | Extent of market dominance | 4.0 | 47 |
| 1.03 | Diversion of public funds | 3.5 | 59 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 60 |
| 1.04 | Public trust in politicians | 3.7 | 35 | 6.04 | Extent and effect of taxation | 3.5 | 71 |
| 1.05 | Irregular payments and bribes | 4.1 | 62 | 6.05 | Total tax rate, % profits* | 44.1 | 93 |
| 1.06 | Judicial independence | 4.0 | 63 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.6 | 41 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.5 | 53 | 6.08 | Agricultural policy costs | 3.5 | 102 |
| 1.09 | Burden of government regulation | 2.9 | 116 | 6.09 | Prevalence of trade barriers | 3.7 | 125 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 77 | 6.10 | Trade tariffs, % duty* | 25.6 | 139 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.1 | 104 | 6.11 | Prevalence of foreign ownership | 2.2 | 144 |
| 1.12 | Transparency of government policymaking | 3.6 | 127 | 6.12 | Business impact of rules on FDI | 3.5 | 127 |
| 1.13 | Gov't services for improved business performance | 3.3 | 91 | 6.13 | Burden of customs procedures | 3.6 | 100 |
| 1.14 | Business costs of terrorism | 5.1 | 105 | 6.14 | Imports as a percentage of GDP* | 20.2 | 137 |
| 1.15 | Business costs of crime and violence | 4.7 | 78 | 6.15 | Degree of customer orientation | 4.0 | 114 |
| 1.16 | Organized crime | 4.9 | 88 | 6.16 | Buyer sophistication | 3.7 | 48 |
| 1.17 | Reliability of police services | 4.5 | 56 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 66 | 7.01 | Cooperation in labor-employer relations | 3.8 | 119 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 93 | 7.02 | Flexibility of wage determination | 3.5 | 134 |
| 1.20 | Efficacy of corporate boards | 4.2 | 105 | 7.03 | Hiring and firing practices | 3.7 | 89 |
| 1.21 | Protection of minority shareholders' interests | 4.1 | 78 | 7.04 | Redundancy costs, weeks of salary* | 23 | 104 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 3.2 | 124 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 122 | |
| 2.01 | Quality of overall infrastructure | 4.2 | 74 | 7.07 | Brain drain | 2.9 | 109 |
| 2.02 | Quality of roads | 4.0 | 68 | 7.08 | Women in labor force, ratio to men* | 0.23 | 143 |
| 2.03 | Quality of railroad infrastructure | 3.4 | 45 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 81 | 8.01 | Availability of financial services | 3.2 | 135 |
| 2.05 | Quality of air transport infrastructure | 3.1 | 132 | 8.02 | Affordability of financial services | 3.3 | 128 |
| 2.06 | Available airline seat kms/week, millions* | 294.9 | 53 | 8.03 | Financing through local equity market | 3.5 | 65 |
| 2.07 | Quality of electricity supply | 5.2 | 60 | 8.04 | Ease of access to loans | 1.7 | 141 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 74.9 | 112 | 8.05 | Venture capital availability | 1.9 | 129 |
| 2.09 | Fixed telephone lines/100 pop.* | 37.1 | 32 | 8.06 | Soundness of banks | 4.6 | 104 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 74 | |
| 3.01 | Government budget balance, % GDP* | 0.2 | 29 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 53.8 | 3 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 21.3 | 142 | 9.01 | Availability of latest technologies | 4.2 | 114 |
| 3.04 | General government debt, % GDP* | 12.7 | 15 | 9.02 | Firm-level technology absorption | 4.1 | 119 |
| 3.05 | Country credit rating, 0-100 (best)* | 28.7 | 108 | 9.03 | FDI and technology transfer | 4.0 | 108 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 21.0 | 95 | |
| 4.01 | Business impact of malaria | 6.1 | 79 | 9.05 | Broadband Internet subscriptions/100 pop.* | 2.4 | 89 |
| 4.02 | Malaria cases/100,000 pop.* | 7.2 | 84 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 3.5 | 115 |
| 4.03 | Business impact of tuberculosis | 5.6 | 57 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 17.0 | 38 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 62 | 10.01 | Domestic market size index, 1-7 (best)* | 5.1 | 17 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 5.4 | 26 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 21.8 | 88 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 72.8 | 86 | 11.01 | Local supplier quantity | 5.0 | 46 |
| 4.09 | Quality of primary education | 4.1 | 61 | 11.02 | Local supplier quality | 3.8 | 123 |
| 4.10 | Primary education enrollment, net %* | 99.5 | 9 | 11.03 | State of cluster development | 3.4 | 85 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 100 | |
| 5.01 | Secondary education enrollment, gross %* | 90.9 | 62 | 11.05 | Value chain breadth | 3.2 | 107 |
| 5.02 | Tertiary education enrollment, gross %* | 42.8 | 59 | 11.06 | Control of international distribution | 4.7 | 21 |
| 5.03 | Quality of the educational system | 3.3 | 94 | 11.07 | Production process sophistication | 3.6 | 71 |
| 5.04 | Quality of math and science education | 4.6 | 32 | 11.08 | Extent of marketing | 3.4 | 113 |
| 5.05 | Quality of management schools | 3.9 | 93 | 11.09 | Willingness to delegate authority | 3.1 | 120 |
| 5.06 | Internet access in schools | 2.9 | 117 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 73 | 12.01 | Capacity for innovation | 3.3 | 59 |
| 5.08 | Extent of staff training | 3.0 | 134 | 12.02 | Quality of scientific research institutions | 4.2 | 40 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 97 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.4 | 87 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 66 |
| | | | | 12.06 | Availability of scientists and engineers | 4.6 | 34 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 100 |

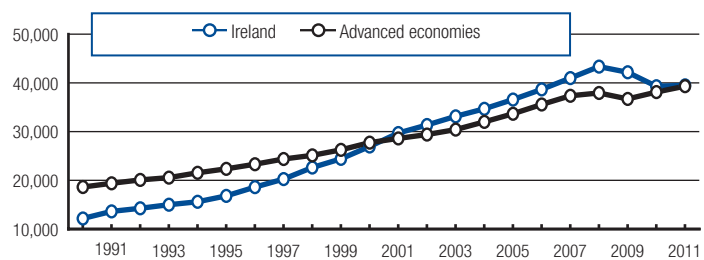
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Ireland

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 4.7 |
| GDP (US\$ billions)..... | 217.7 |
| GDP per capita (US\$)..... | 47,513 |
| GDP (PPP) as share (%) of world total..... | 0.23 |

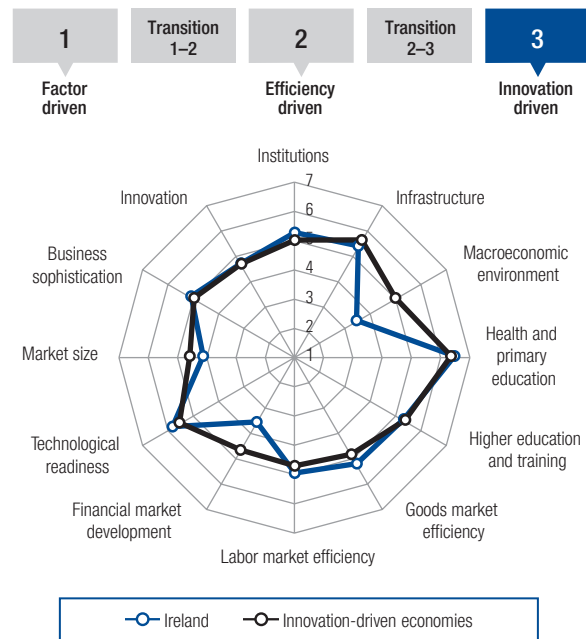
GDP (PPP) per capita (int'l \$), 1990–2011



The Global Competitiveness Index

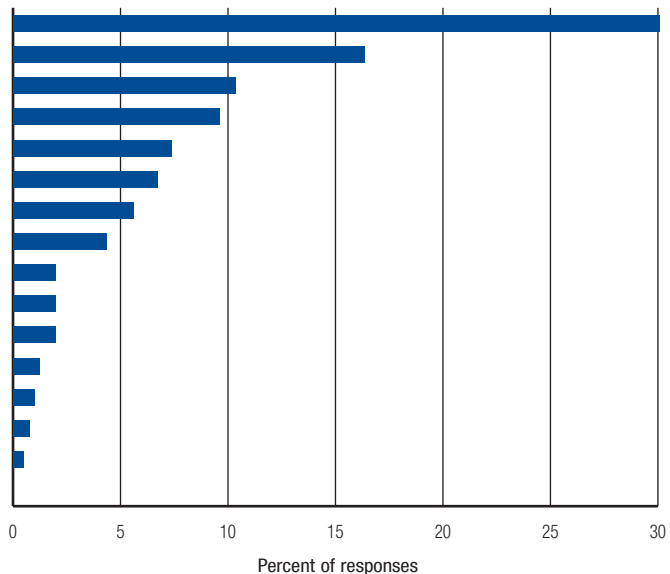
| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 27 | 4.9 |
| GCI 2011–2012 (out of 142)..... | 29 | 4.8 |
| GCI 2010–2011 (out of 139)..... | 29 | 4.7 |
| Basic requirements (20.0%) | 35 | 5.1 |
| Institutions..... | 19 | 5.2 |
| Infrastructure..... | 25 | 5.3 |
| Macroeconomic environment..... | 131 | 3.4 |
| Health and primary education..... | 12 | 6.5 |
| Efficiency enhancers (50.0%) | 25 | 4.8 |
| Higher education and training..... | 20 | 5.3 |
| Goods market efficiency..... | 9 | 5.2 |
| Labor market efficiency..... | 16 | 5.0 |
| Financial market development..... | 108 | 3.6 |
| Technological readiness..... | 12 | 5.8 |
| Market size..... | 56 | 4.1 |
| Innovation and sophistication factors (30.0%) | 20 | 4.9 |
| Business sophistication..... | 18 | 5.1 |
| Innovation..... | 21 | 4.7 |

Stage of development



The most problematic factors for doing business

| | |
|--|------|
| Access to financing..... | 30.1 |
| Inefficient government bureaucracy..... | 16.4 |
| Restrictive labor regulations..... | 10.4 |
| Insufficient capacity to innovate..... | 9.6 |
| Policy instability..... | 7.4 |
| Tax rates..... | 6.7 |
| Inadequate supply of infrastructure..... | 5.6 |
| Inflation..... | 4.4 |
| Inadequately educated workforce..... | 2.0 |
| Poor work ethic in national labor force..... | 2.0 |
| Tax regulations..... | 2.0 |
| Government instability/coups..... | 1.2 |
| Poor public health..... | 1.0 |
| Corruption..... | 0.7 |
| Foreign currency regulations..... | 0.5 |
| Crime and theft..... | 0.0 |



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.8 | 16 | 6.01 | Intensity of local competition | 5.2 | 40 |
| 1.02 | Intellectual property protection | 5.5 | 15 | 6.02 | Extent of market dominance | 4.8 | 20 |
| 1.03 | Diversion of public funds | 5.6 | 15 | 6.03 | Effectiveness of anti-monopoly policy | 4.8 | 22 |
| 1.04 | Public trust in politicians | 3.2 | 50 | 6.04 | Extent and effect of taxation | 3.8 | 46 |
| 1.05 | Irregular payments and bribes | 6.1 | 14 | 6.05 | Total tax rate, % profits* | 26.3 | 24 |
| 1.06 | Judicial independence | 6.3 | 4 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 4.1 | 28 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 3.2 | 73 | 6.08 | Agricultural policy costs | 4.8 | 12 |
| 1.09 | Burden of government regulation | 3.8 | 46 | 6.09 | Prevalence of trade barriers | 5.4 | 16 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.6 | 29 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 31 | 6.11 | Prevalence of foreign ownership | 5.8 | 7 |
| 1.12 | Transparency of government policymaking | 5.0 | 28 | 6.12 | Business impact of rules on FDI | 6.6 | 1 |
| 1.13 | Gov't services for improved business performance | 4.1 | 44 | 6.13 | Burden of customs procedures | 5.3 | 12 |
| 1.14 | Business costs of terrorism | 6.3 | 21 | 6.14 | Imports as a percentage of GDP* | 82.5 | 21 |
| 1.15 | Business costs of crime and violence | 5.6 | 29 | 6.15 | Degree of customer orientation | 5.5 | 11 |
| 1.16 | Organized crime | 6.3 | 18 | 6.16 | Buyer sophistication | 4.3 | 23 |
| 1.17 | Reliability of police services | 6.0 | 15 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.4 | 21 | 7.01 | Cooperation in labor-employer relations | 5.3 | 14 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 66 | 7.02 | Flexibility of wage determination | 4.5 | 106 |
| 1.20 | Efficacy of corporate boards | 4.8 | 40 | 7.03 | Hiring and firing practices | 3.9 | 75 |
| 1.21 | Protection of minority shareholders' interests | 4.7 | 41 | 7.04 | Redundancy costs, weeks of salary* | 7 | 18 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.3 | 5 | 7.05 | Pay and productivity | 4.4 | 32 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.9 | 12 | |
| 2.01 | Quality of overall infrastructure | 5.2 | 37 | 7.07 | Brain drain | 4.6 | 25 |
| 2.02 | Quality of roads | 5.4 | 28 | 7.08 | Women in labor force, ratio to men* | 0.80 | 70 |
| 2.03 | Quality of railroad infrastructure | 4.1 | 31 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.3 | 30 | 8.01 | Availability of financial services | 4.5 | 78 |
| 2.05 | Quality of air transport infrastructure | 5.7 | 32 | 8.02 | Affordability of financial services | 3.8 | 90 |
| 2.06 | Available airline seat kms/week, millions* | 400.9 | 47 | 8.03 | Financing through local equity market | 3.1 | 94 |
| 2.07 | Quality of electricity supply | 6.5 | 18 | 8.04 | Ease of access to loans | 1.8 | 134 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 108.4 | 66 | 8.05 | Venture capital availability | 2.4 | 88 |
| 2.09 | Fixed telephone lines/100 pop.* | 45.2 | 19 | 8.06 | Soundness of banks | 1.8 | 144 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 76 | |
| 3.01 | Government budget balance, % GDP* | -9.9 | 141 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 10.6 | 124 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.1 | 1 | 9.01 | Availability of latest technologies | 6.0 | 29 |
| 3.04 | General government debt, % GDP* | 105.0 | 137 | 9.02 | Firm-level technology absorption | 5.5 | 33 |
| 3.05 | Country credit rating, 0-100 (best)* | 51.9 | 66 | 9.03 | FDI and technology transfer | 6.4 | 1 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 76.8 | 22 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 22.1 | 32 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 69.0 | 23 |
| 4.03 | Business impact of tuberculosis | 6.5 | 17 | 9.07 | Mobile broadband subscriptions/100 pop.* | 59.4 | 12 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 8.1 | 25 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.3 | 14 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 57 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 5.3 | 32 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.2 | 13 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.3 | 21 | 11.01 | Local supplier quantity | 4.9 | 57 |
| 4.09 | Quality of primary education | 5.6 | 8 | 11.02 | Local supplier quality | 5.3 | 23 |
| 4.10 | Primary education enrollment, net %* | 95.1 | 53 | 11.03 | State of cluster development | 4.6 | 24 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.4 | 17 | |
| 5.01 | Secondary education enrollment, gross %* | 121.0 | 4 | 11.05 | Value chain breadth | 5.1 | 14 |
| 5.02 | Tertiary education enrollment, gross %* | 61.0 | 31 | 11.06 | Control of international distribution | 3.9 | 88 |
| 5.03 | Quality of the educational system | 5.3 | 9 | 11.07 | Production process sophistication | 5.8 | 9 |
| 5.04 | Quality of math and science education | 4.7 | 31 | 11.08 | Extent of marketing | 5.4 | 16 |
| 5.05 | Quality of management schools | 5.1 | 23 | 11.09 | Willingness to delegate authority | 5.0 | 12 |
| 5.06 | Internet access in schools | 4.6 | 51 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.0 | 24 | 12.01 | Capacity for innovation | 4.0 | 26 |
| 5.08 | Extent of staff training | 4.9 | 16 | 12.02 | Quality of scientific research institutions | 5.5 | 14 |
| | | | | 12.03 | Company spending on R&D | 4.3 | 21 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.1 | 14 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 80 |
| | | | | 12.06 | Availability of scientists and engineers | 4.9 | 21 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 90.5 | 19 |

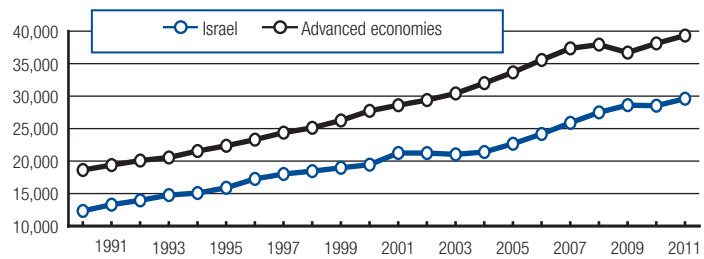
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Israel

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 7.8 |
| GDP (US\$ billions)..... | 242.9 |
| GDP per capita (US\$)..... | 31,986 |
| GDP (PPP) as share (%) of world total..... | 0.30 |

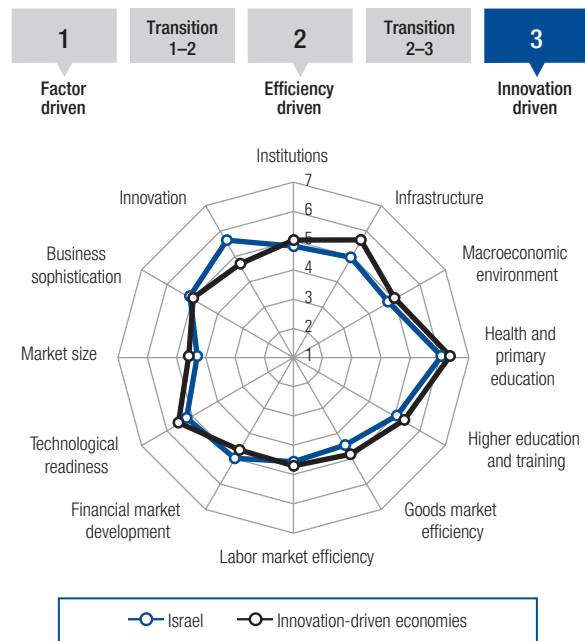
GDP (PPP) per capita (int'l \$), 1990–2011



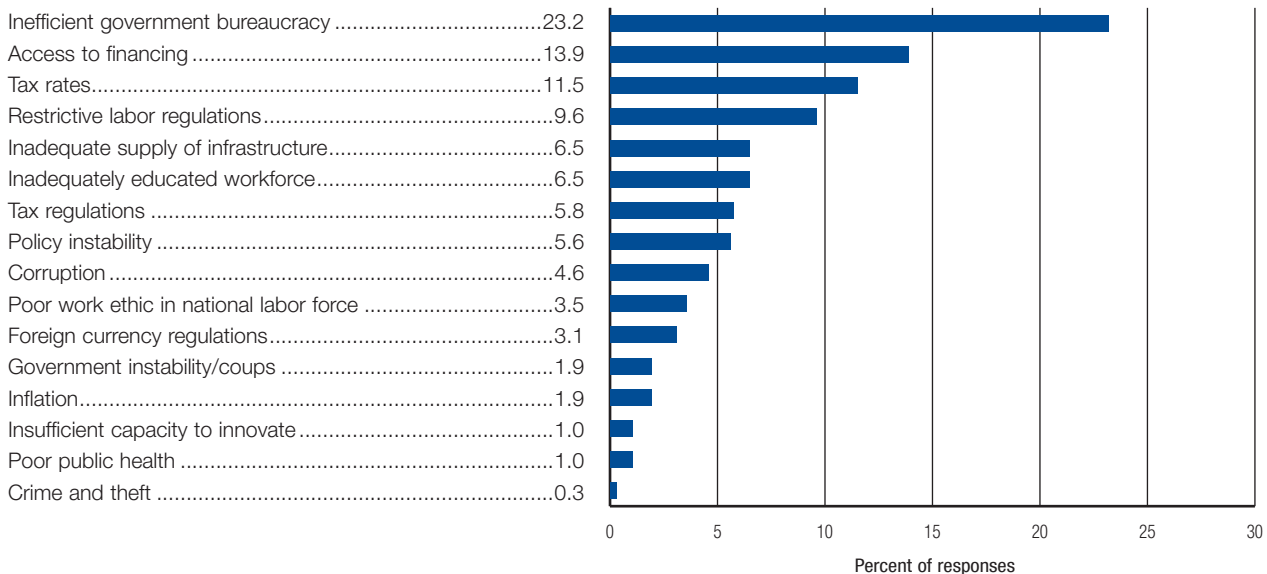
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 26 | 5.0 |
| GCI 2011–2012 (out of 142)..... | 22 | 5.1 |
| GCI 2010–2011 (out of 139)..... | 24 | 4.9 |
| Basic requirements (20.0%) | 37 | 5.1 |
| Institutions..... | 34 | 4.8 |
| Infrastructure..... | 36 | 4.9 |
| Macroeconomic environment..... | 64 | 4.7 |
| Health and primary education..... | 40 | 6.0 |
| Efficiency enhancers (50.0%) | 27 | 4.8 |
| Higher education and training..... | 28 | 5.1 |
| Goods market efficiency..... | 43 | 4.5 |
| Labor market efficiency..... | 40 | 4.6 |
| Financial market development..... | 17 | 5.0 |
| Technological readiness..... | 29 | 5.2 |
| Market size..... | 51 | 4.3 |
| Innovation and sophistication factors (30.0%) | 8 | 5.3 |
| Business sophistication..... | 16 | 5.1 |
| Innovation..... | 3 | 5.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.3 | 29 | 6.01 | Intensity of local competition | 4.9 | 66 |
| 1.02 | Intellectual property protection | 4.8 | 33 | 6.02 | Extent of market dominance | 3.1 | 124 |
| 1.03 | Diversion of public funds | 4.9 | 28 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 69 |
| 1.04 | Public trust in politicians | 3.0 | 59 | 6.04 | Extent and effect of taxation | 3.5 | 73 |
| 1.05 | Irregular payments and bribes | 5.4 | 31 | 6.05 | Total tax rate, % profits* | 31.2 | 38 |
| 1.06 | Judicial independence | 5.9 | 15 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.5 | 46 | 6.07 | No. days to start a business* | 34 | 109 |
| 1.08 | Wastefulness of government spending | 3.4 | 56 | 6.08 | Agricultural policy costs | 4.3 | 32 |
| 1.09 | Burden of government regulation | 3.1 | 90 | 6.09 | Prevalence of trade barriers | 4.6 | 40 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.1 | 46 | 6.10 | Trade tariffs, % duty* | 4.1 | 52 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 57 | 6.11 | Prevalence of foreign ownership | 5.3 | 37 |
| 1.12 | Transparency of government policymaking | 4.4 | 54 | 6.12 | Business impact of rules on FDI | 5.4 | 17 |
| 1.13 | Gov't services for improved business performance | 4.2 | 37 | 6.13 | Burden of customs procedures | 4.5 | 47 |
| 1.14 | Business costs of terrorism | 4.3 | 128 | 6.14 | Imports as a percentage of GDP* | 39.6 | 87 |
| 1.15 | Business costs of crime and violence | 5.5 | 36 | 6.15 | Degree of customer orientation | 4.7 | 55 |
| 1.16 | Organized crime | 5.6 | 55 | 6.16 | Buyer sophistication | 4.2 | 26 |
| 1.17 | Reliability of police services | 4.8 | 48 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 32 | 7.01 | Cooperation in labor-employer relations | 5.0 | 28 |
| 1.19 | Strength of auditing and reporting standards | 5.5 | 25 | 7.02 | Flexibility of wage determination | 5.0 | 78 |
| 1.20 | Efficacy of corporate boards | 4.6 | 59 | 7.03 | Hiring and firing practices | 4.0 | 62 |
| 1.21 | Protection of minority shareholders' interests | 4.7 | 38 | 7.04 | Redundancy costs, weeks of salary* | 27 | 120 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.3 | 5 | 7.05 | Pay and productivity | 4.3 | 44 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.2 | 28 | |
| 2.01 | Quality of overall infrastructure | 5.0 | 45 | 7.07 | Brain drain | 4.1 | 38 |
| 2.02 | Quality of roads | 4.7 | 46 | 7.08 | Women in labor force, ratio to men* | 0.89 | 31 |
| 2.03 | Quality of railroad infrastructure | 3.2 | 50 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.9 | 87 | 8.01 | Availability of financial services | 5.1 | 37 |
| 2.05 | Quality of air transport infrastructure | 5.3 | 48 | 8.02 | Affordability of financial services | 4.0 | 79 |
| 2.06 | Available airline seat kms/week, millions* | 482.4 | 40 | 8.03 | Financing through local equity market | 4.2 | 35 |
| 2.07 | Quality of electricity supply | 5.5 | 48 | 8.04 | Ease of access to loans | 3.4 | 34 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 121.7 | 44 | 8.05 | Venture capital availability | 4.5 | 3 |
| 2.09 | Fixed telephone lines/100 pop.* | 46.3 | 18 | 8.06 | Soundness of banks | 6.1 | 17 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.9 | 33 | |
| 3.01 | Government budget balance, % GDP* | -4.0 | 88 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 18.8 | 74 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.5 | 44 | 9.01 | Availability of latest technologies | 6.2 | 22 |
| 3.04 | General government debt, % GDP* | 74.3 | 121 | 9.02 | Firm-level technology absorption | 6.2 | 5 |
| 3.05 | Country credit rating, 0-100 (best)* | 71.9 | 33 | 9.03 | FDI and technology transfer | 5.3 | 14 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 70.0 | 34 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 23.8 | 25 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 11.3 | 80 |
| 4.03 | Business impact of tuberculosis | 6.0 | 38 | 9.07 | Mobile broadband subscriptions/100 pop.* | 41.0 | 24 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.9 | 9 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.4 | 10 | 10.01 | Domestic market size index, 1-7 (best)* | 4.1 | 49 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 52 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.6 | 21 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.5 | 8 | 11.01 | Local supplier quantity | 4.9 | 51 |
| 4.09 | Quality of primary education | 3.7 | 71 | 11.02 | Local supplier quality | 5.2 | 27 |
| 4.10 | Primary education enrollment, net %* | 96.9 | 40 | 11.03 | State of cluster development | 3.9 | 58 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.9 | 8 | |
| 5.01 | Secondary education enrollment, gross %* | 102.1 | 23 | 11.05 | Value chain breadth | 5.0 | 15 |
| 5.02 | Tertiary education enrollment, gross %* | 62.5 | 28 | 11.06 | Control of international distribution | 5.1 | 9 |
| 5.03 | Quality of the educational system | 4.0 | 53 | 11.07 | Production process sophistication | 5.7 | 10 |
| 5.04 | Quality of math and science education | 3.7 | 89 | 11.08 | Extent of marketing | 5.4 | 12 |
| 5.05 | Quality of management schools | 4.7 | 40 | 11.09 | Willingness to delegate authority | 4.7 | 19 |
| 5.06 | Internet access in schools | 5.1 | 39 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.9 | 27 | 12.01 | Capacity for innovation | 5.4 | 6 |
| 5.08 | Extent of staff training | 4.6 | 27 | 12.02 | Quality of scientific research institutions | 6.3 | 1 |
| | | | | 12.03 | Company spending on R&D | 5.4 | 6 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.4 | 8 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.6 | 6 |
| | | | | 12.06 | Availability of scientists and engineers | 5.2 | 9 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 235.5 | 4 |

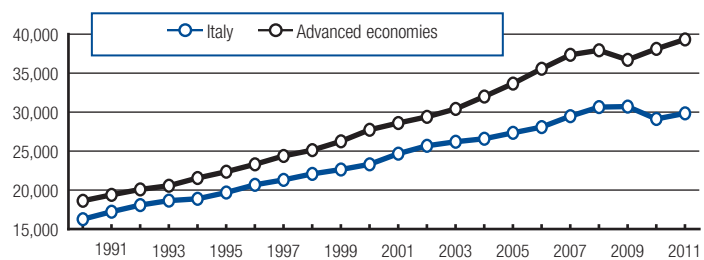
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Italy

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 64.5 |
| GDP (US\$ billions)..... | 2,198.7 |
| GDP per capita (US\$)..... | 36,267 |
| GDP (PPP) as share (%) of world total..... | 2.34 |

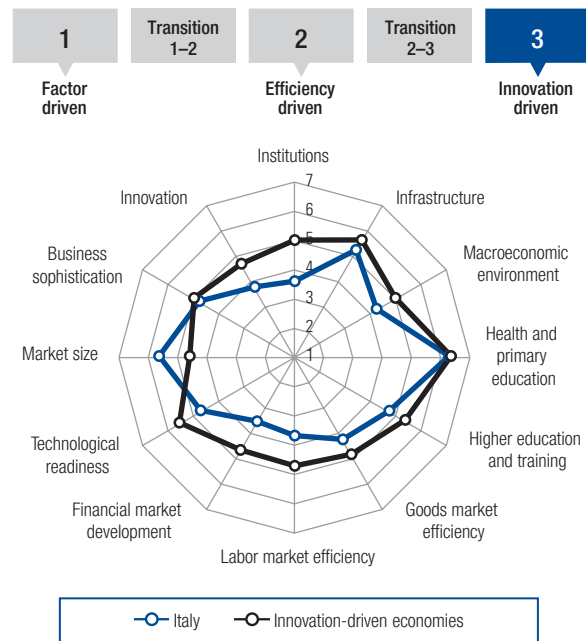
GDP (PPP) per capita (int'l \$), 1990–2011



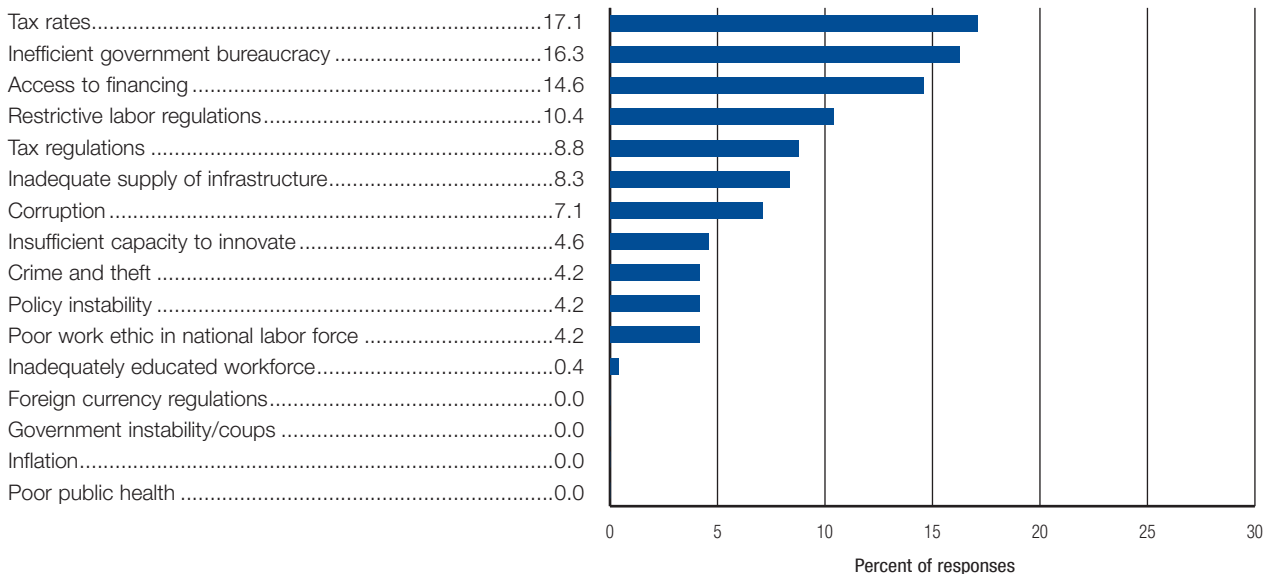
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 42 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 43 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 48 | 4.4 |
| Basic requirements (20.0%) | 51 | 4.8 |
| Institutions..... | 97 | 3.6 |
| Infrastructure..... | 28 | 5.2 |
| Macroeconomic environment..... | 102 | 4.2 |
| Health and primary education..... | 25 | 6.3 |
| Efficiency enhancers (50.0%) | 41 | 4.4 |
| Higher education and training..... | 45 | 4.7 |
| Goods market efficiency..... | 65 | 4.3 |
| Labor market efficiency..... | 127 | 3.7 |
| Financial market development..... | 111 | 3.6 |
| Technological readiness..... | 40 | 4.7 |
| Market size..... | 10 | 5.6 |
| Innovation and sophistication factors (30.0%) | 30 | 4.2 |
| Business sophistication..... | 28 | 4.8 |
| Innovation..... | 36 | 3.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 69 | 6.01 | Intensity of local competition | 4.9 | 67 |
| 1.02 | Intellectual property protection | 3.7 | 62 | 6.02 | Extent of market dominance | 4.9 | 16 |
| 1.03 | Diversion of public funds | 2.9 | 85 | 6.03 | Effectiveness of anti-monopoly policy | 3.6 | 100 |
| 1.04 | Public trust in politicians | 1.8 | 131 | 6.04 | Extent and effect of taxation | 2.2 | 141 |
| 1.05 | Irregular payments and bribes | 3.9 | 68 | 6.05 | Total tax rate, % profits* | 68.5 | 133 |
| 1.06 | Judicial independence | 3.8 | 68 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 116 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 2.3 | 126 | 6.08 | Agricultural policy costs | 3.7 | 88 |
| 1.09 | Burden of government regulation | 2.1 | 142 | 6.09 | Prevalence of trade barriers | 4.6 | 47 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.5 | 139 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.6 | 131 | 6.11 | Prevalence of foreign ownership | 4.0 | 118 |
| 1.12 | Transparency of government policymaking | 3.1 | 139 | 6.12 | Business impact of rules on FDI | 3.6 | 126 |
| 1.13 | Gov't services for improved business performance | 2.9 | 123 | 6.13 | Burden of customs procedures | 4.1 | 69 |
| 1.14 | Business costs of terrorism | 5.6 | 62 | 6.14 | Imports as a percentage of GDP* | 30.5 | 115 |
| 1.15 | Business costs of crime and violence | 4.5 | 91 | 6.15 | Degree of customer orientation | 4.8 | 53 |
| 1.16 | Organized crime | 3.5 | 131 | 6.16 | Buyer sophistication | 4.1 | 34 |
| 1.17 | Reliability of police services | 5.1 | 38 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 90 | 7.01 | Cooperation in labor-employer relations | 3.6 | 127 |
| 1.19 | Strength of auditing and reporting standards | 4.1 | 103 | 7.02 | Flexibility of wage determination | 3.2 | 138 |
| 1.20 | Efficacy of corporate boards | 3.8 | 134 | 7.03 | Hiring and firing practices | 2.8 | 136 |
| 1.21 | Protection of minority shareholders' interests | 3.5 | 122 | 7.04 | Redundancy costs, weeks of salary* | 7 | 19 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.0 | 128 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 113 | |
| 2.01 | Quality of overall infrastructure | 3.9 | 82 | 7.07 | Brain drain | 2.8 | 115 |
| 2.02 | Quality of roads | 4.3 | 57 | 7.08 | Women in labor force, ratio to men* | 0.69 | 97 |
| 2.03 | Quality of railroad infrastructure | 3.6 | 40 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.9 | 89 | 8.01 | Availability of financial services | 4.7 | 62 |
| 2.05 | Quality of air transport infrastructure | 4.7 | 67 | 8.02 | Affordability of financial services | 3.4 | 122 |
| 2.06 | Available airline seat kms/week, millions* | 2,321.7 | 15 | 8.03 | Financing through local equity market | 3.4 | 71 |
| 2.07 | Quality of electricity supply | 5.8 | 38 | 8.04 | Ease of access to loans | 2.0 | 126 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 151.8 | 12 | 8.05 | Venture capital availability | 2.0 | 121 |
| 2.09 | Fixed telephone lines/100 pop.* | 34.6 | 35 | 8.06 | Soundness of banks | 5.2 | 66 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.1 | 70 | |
| 3.01 | Government budget balance, % GDP* | -3.9 | 86 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 16.4 | 88 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.9 | 25 | 9.01 | Availability of latest technologies | 5.0 | 69 |
| 3.04 | General government debt, % GDP* | 120.1 | 140 | 9.02 | Firm-level technology absorption | 4.3 | 104 |
| 3.05 | Country credit rating, 0-100 (best)* | 66.5 | 40 | 9.03 | FDI and technology transfer | 3.8 | 122 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 56.8 | 45 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 22.8 | 28 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 60.8 | 27 |
| 4.03 | Business impact of tuberculosis | 6.4 | 22 | 9.07 | Mobile broadband subscriptions/100 pop.* | 31.3 | 37 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.9 | 9 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 33 | 10.01 | Domestic market size index, 1-7 (best)* | 5.5 | 10 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 5.9 | 14 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.1 | 11 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.7 | 4 | 11.01 | Local supplier quantity | 5.4 | 17 |
| 4.09 | Quality of primary education | 4.5 | 41 | 11.02 | Local supplier quality | 5.2 | 28 |
| 4.10 | Primary education enrollment, net %* | 97.4 | 35 | 11.03 | State of cluster development | 5.3 | 2 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.8 | 11 | |
| 5.01 | Secondary education enrollment, gross %* | 100.4 | 31 | 11.05 | Value chain breadth | 5.1 | 12 |
| 5.02 | Tertiary education enrollment, gross %* | 66.0 | 23 | 11.06 | Control of international distribution | 4.1 | 58 |
| 5.03 | Quality of the educational system | 3.4 | 87 | 11.07 | Production process sophistication | 4.9 | 28 |
| 5.04 | Quality of math and science education | 4.1 | 65 | 11.08 | Extent of marketing | 4.4 | 51 |
| 5.05 | Quality of management schools | 4.8 | 35 | 11.09 | Willingness to delegate authority | 3.3 | 104 |
| 5.06 | Internet access in schools | 3.8 | 86 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.8 | 33 | 12.01 | Capacity for innovation | 4.0 | 28 |
| 5.08 | Extent of staff training | 3.2 | 123 | 12.02 | Quality of scientific research institutions | 4.2 | 43 |
| | | | | 12.03 | Company spending on R&D | 3.6 | 32 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 65 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.9 | 121 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 45 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 51.7 | 24 |

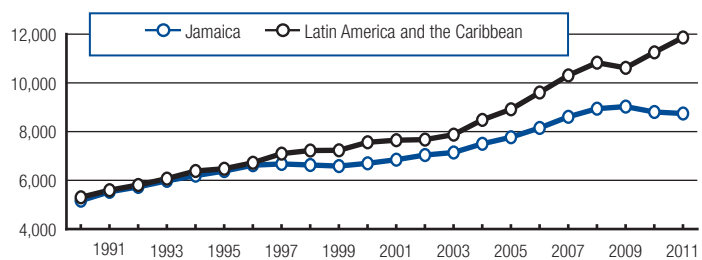
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Jamaica

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.8 |
| GDP (US\$ billions)..... | 14.8 |
| GDP per capita (US\$)..... | 5,402 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

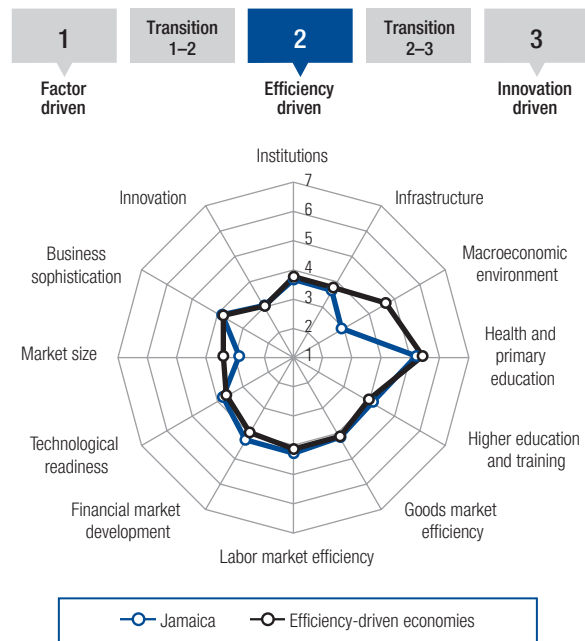
GDP (PPP) per capita (int'l \$), 1990–2011



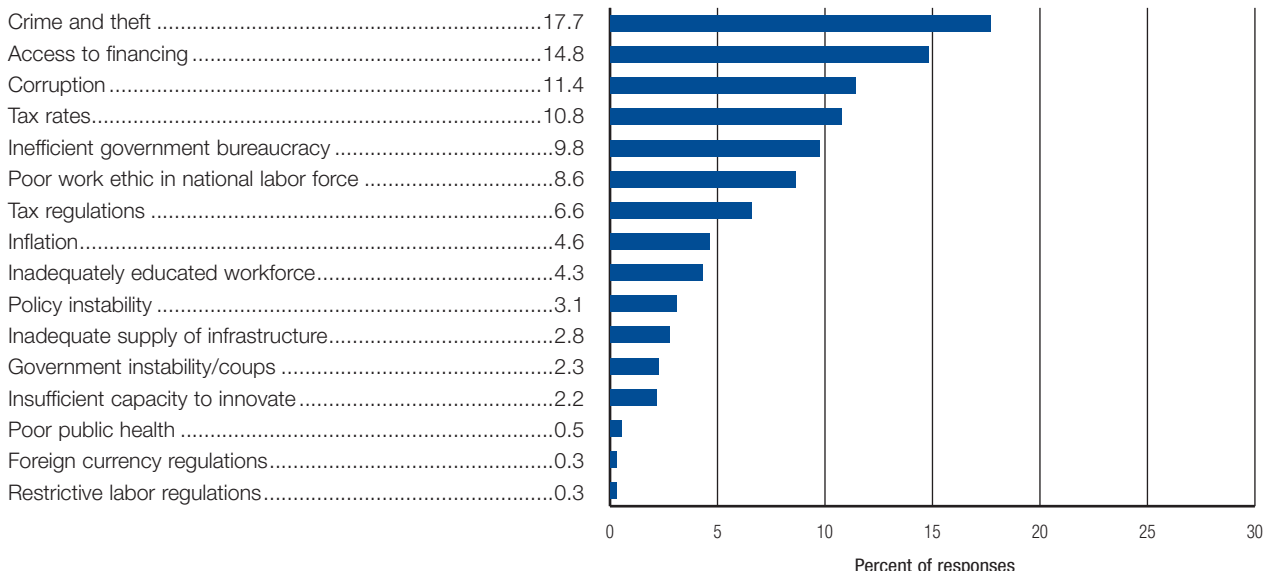
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 97 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 107 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 95 | 3.9 |
| Basic requirements (40.0%) | 114 | 3.8 |
| Institutions..... | 87 | 3.6 |
| Infrastructure..... | 85 | 3.6 |
| Macroeconomic environment..... | 141 | 2.9 |
| Health and primary education..... | 104 | 5.2 |
| Efficiency enhancers (50.0%) | 80 | 3.9 |
| Higher education and training..... | 75 | 4.1 |
| Goods market efficiency..... | 80 | 4.2 |
| Labor market efficiency..... | 77 | 4.3 |
| Financial market development..... | 55 | 4.3 |
| Technological readiness..... | 73 | 3.8 |
| Market size..... | 100 | 2.9 |
| Innovation and sophistication factors (10.0%) | 80 | 3.4 |
| Business sophistication..... | 79 | 3.8 |
| Innovation..... | 86 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.2 | 72 | 6.01 | Intensity of local competition | 4.9 | 65 |
| 1.02 | Intellectual property protection | 3.4 | 79 | 6.02 | Extent of market dominance | 3.9 | 52 |
| 1.03 | Diversion of public funds | 3.1 | 72 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 75 |
| 1.04 | Public trust in politicians | 2.0 | 119 | 6.04 | Extent and effect of taxation | 3.0 | 115 |
| 1.05 | Irregular payments and bribes | 3.8 | 78 | 6.05 | Total tax rate, % profits* | 45.6 | 98 |
| 1.06 | Judicial independence | 4.4 | 46 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 112 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 2.8 | 101 | 6.08 | Agricultural policy costs | 4.3 | 34 |
| 1.09 | Burden of government regulation | 2.7 | 127 | 6.09 | Prevalence of trade barriers | 4.6 | 52 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 79 | 6.10 | Trade tariffs, % duty* | 8.1 | 92 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 90 | 6.11 | Prevalence of foreign ownership | 5.0 | 56 |
| 1.12 | Transparency of government policymaking | 3.7 | 118 | 6.12 | Business impact of rules on FDI | 4.9 | 46 |
| 1.13 | Gov't services for improved business performance | 3.1 | 101 | 6.13 | Burden of customs procedures | 3.5 | 104 |
| 1.14 | Business costs of terrorism | 5.7 | 57 | 6.14 | Imports as a percentage of GDP* | 55.2 | 52 |
| 1.15 | Business costs of crime and violence | 2.2 | 141 | 6.15 | Degree of customer orientation | 3.9 | 122 |
| 1.16 | Organized crime | 3.2 | 138 | 6.16 | Buyer sophistication | 3.3 | 85 |
| 1.17 | Reliability of police services | 3.7 | 98 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 95 | 7.01 | Cooperation in labor-employer relations | 3.8 | 118 |
| 1.19 | Strength of auditing and reporting standards | 5.3 | 32 | 7.02 | Flexibility of wage determination | 4.9 | 84 |
| 1.20 | Efficacy of corporate boards | 4.3 | 90 | 7.03 | Hiring and firing practices | 4.2 | 48 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 56 | 7.04 | Redundancy costs, weeks of salary* | 14 | 64 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.6 | 89 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 61 | |
| 2.01 | Quality of overall infrastructure | 4.2 | 76 | 7.07 | Brain drain | 3.0 | 105 |
| 2.02 | Quality of roads | 3.6 | 83 | 7.08 | Women in labor force, ratio to men* | 0.82 | 64 |
| 2.03 | Quality of railroad infrastructure | 1.3 | 117 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.1 | 39 | 8.01 | Availability of financial services | 4.7 | 64 |
| 2.05 | Quality of air transport infrastructure | 5.5 | 37 | 8.02 | Affordability of financial services | 3.8 | 92 |
| 2.06 | Available airline seat kms/week, millions* | 134.8 | 73 | 8.03 | Financing through local equity market | 4.1 | 38 |
| 2.07 | Quality of electricity supply | 4.4 | 83 | 8.04 | Ease of access to loans | 2.0 | 127 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 108.1 | 68 | 8.05 | Venture capital availability | 1.9 | 130 |
| 2.09 | Fixed telephone lines/100 pop.* | 9.9 | 94 | 8.06 | Soundness of banks | 5.3 | 65 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.9 | 34 | |
| 3.01 | Government budget balance, % GDP* | -6.5 | 128 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 14.5 | 101 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.5 | 102 | 9.01 | Availability of latest technologies | 5.5 | 44 |
| 3.04 | General government debt, % GDP* | 139.0 | 142 | 9.02 | Firm-level technology absorption | 4.8 | 67 |
| 3.05 | Country credit rating, 0-100 (best)* | 29.0 | 107 | 9.03 | FDI and technology transfer | 4.7 | 72 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 31.5 | 86 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 3.9 | 82 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 23.1 | 55 |
| 4.03 | Business impact of tuberculosis | 5.8 | 50 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.5 | 105 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.6 | 17 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 105 | 10.01 | Domestic market size index, 1-7 (best)* | 2.7 | 98 |
| 4.06 | HIV prevalence, % adult pop.* | 1.7 | 120 | 10.02 | Foreign market size index, 1-7 (best)* | 3.2 | 112 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 20.2 | 85 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 72.8 | 84 | 11.01 | Local supplier quantity | 4.4 | 98 |
| 4.09 | Quality of primary education | 3.1 | 109 | 11.02 | Local supplier quality | 4.3 | 78 |
| 4.10 | Primary education enrollment, net %* | 82.0 | 121 | 11.03 | State of cluster development | 3.8 | 61 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 51 | |
| 5.01 | Secondary education enrollment, gross %* | 92.7 | 55 | 11.05 | Value chain breadth | 3.3 | 99 |
| 5.02 | Tertiary education enrollment, gross %* | 29.0 | 75 | 11.06 | Control of international distribution | 3.8 | 93 |
| 5.03 | Quality of the educational system | 3.6 | 76 | 11.07 | Production process sophistication | 3.3 | 99 |
| 5.04 | Quality of math and science education | 3.0 | 116 | 11.08 | Extent of marketing | 4.1 | 68 |
| 5.05 | Quality of management schools | 4.1 | 77 | 11.09 | Willingness to delegate authority | 3.4 | 93 |
| 5.06 | Internet access in schools | 4.1 | 74 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.9 | 82 | 12.01 | Capacity for innovation | 2.9 | 85 |
| 5.08 | Extent of staff training | 4.1 | 58 | 12.02 | Quality of scientific research institutions | 4.0 | 52 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 107 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 77 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.0 | 120 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 101 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.7 | 70 |

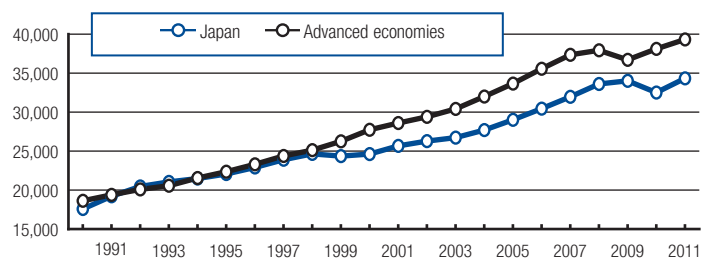
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Japan

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 134.9 |
| GDP (US\$ billions)..... | 5,869.5 |
| GDP per capita (US\$)..... | 45,920 |
| GDP (PPP) as share (%) of world total..... | 5.63 |

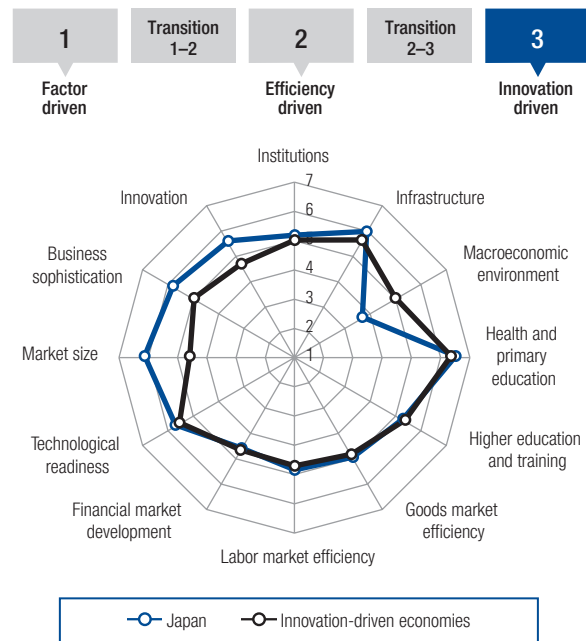
GDP (PPP) per capita (int'l \$), 1990–2011



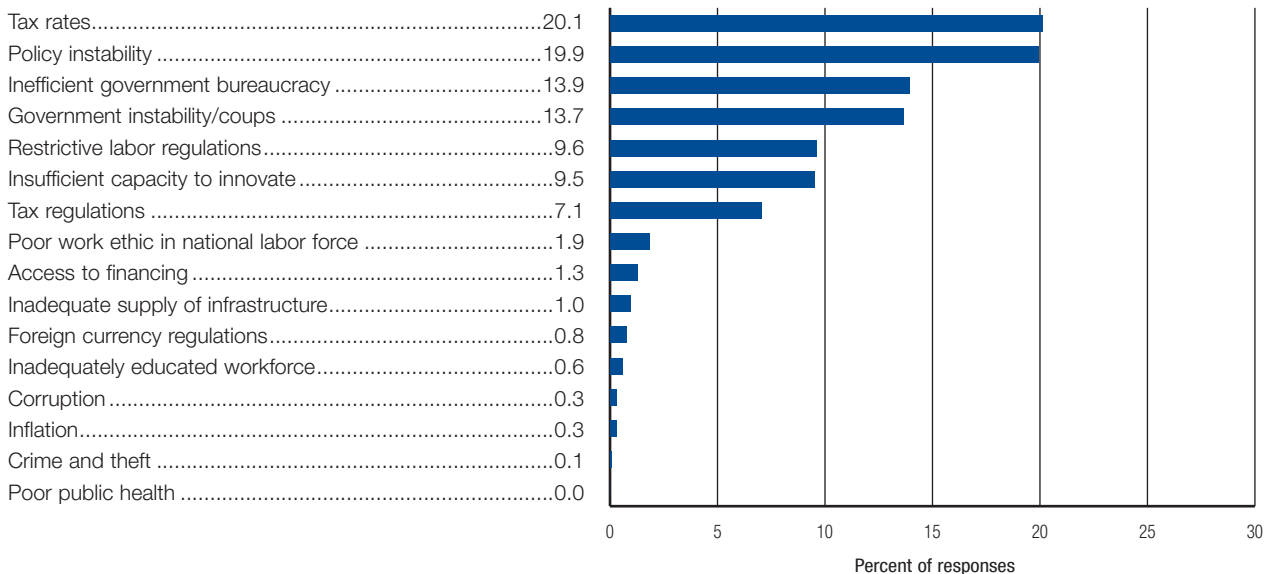
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 10 | 5.4 |
| GCI 2011–2012 (out of 142)..... | 9 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 6 | 5.4 |
| Basic requirements (20.0%) | 29 | 5.3 |
| Institutions..... | 22 | 5.1 |
| Infrastructure..... | 11 | 5.9 |
| Macroeconomic environment..... | 124 | 3.7 |
| Health and primary education..... | 10 | 6.5 |
| Efficiency enhancers (50.0%) | 11 | 5.3 |
| Higher education and training..... | 21 | 5.3 |
| Goods market efficiency..... | 20 | 5.0 |
| Labor market efficiency..... | 20 | 4.9 |
| Financial market development..... | 36 | 4.6 |
| Technological readiness..... | 16 | 5.7 |
| Market size..... | 4 | 6.1 |
| Innovation and sophistication factors (30.0%) | 2 | 5.7 |
| Business sophistication..... | 1 | 5.8 |
| Innovation..... | 5 | 5.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.8 | 15 | 6.01 | Intensity of local competition | 6.0 | 2 |
| 1.02 | Intellectual property protection | 5.4 | 18 | 6.02 | Extent of market dominance | 5.5 | 3 |
| 1.03 | Diversion of public funds | 5.3 | 19 | 6.03 | Effectiveness of anti-monopoly policy | 5.0 | 15 |
| 1.04 | Public trust in politicians | 3.1 | 57 | 6.04 | Extent and effect of taxation | 3.0 | 113 |
| 1.05 | Irregular payments and bribes | 6.2 | 11 | 6.05 | Total tax rate, % profits* | 49.1 | 108 |
| 1.06 | Judicial independence | 5.8 | 17 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 4.8 | 11 | 6.07 | No. days to start a business* | 23 | 89 |
| 1.08 | Wastefulness of government spending | 2.9 | 91 | 6.08 | Agricultural policy costs | 2.6 | 142 |
| 1.09 | Burden of government regulation | 3.2 | 87 | 6.09 | Prevalence of trade barriers | 3.8 | 115 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.5 | 36 | 6.10 | Trade tariffs, % duty* | 2.3 | 39 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 48 | 6.11 | Prevalence of foreign ownership | 4.4 | 90 |
| 1.12 | Transparency of government policymaking | 5.1 | 22 | 6.12 | Business impact of rules on FDI | 4.6 | 67 |
| 1.13 | Gov't services for improved business performance | 3.6 | 71 | 6.13 | Burden of customs procedures | 4.8 | 36 |
| 1.14 | Business costs of terrorism | 5.3 | 90 | 6.14 | Imports as a percentage of GDP* | 17.4 | 143 |
| 1.15 | Business costs of crime and violence | 5.4 | 41 | 6.15 | Degree of customer orientation | 6.4 | 1 |
| 1.16 | Organized crime | 5.4 | 59 | 6.16 | Buyer sophistication | 5.4 | 1 |
| 1.17 | Reliability of police services | 5.7 | 26 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.7 | 15 | 7.01 | Cooperation in labor-employer relations | 5.6 | 7 |
| 1.19 | Strength of auditing and reporting standards | 5.1 | 39 | 7.02 | Flexibility of wage determination | 5.8 | 13 |
| 1.20 | Efficacy of corporate boards | 5.1 | 24 | 7.03 | Hiring and firing practices | 2.8 | 134 |
| 1.21 | Protection of minority shareholders' interests | 4.9 | 28 | 7.04 | Redundancy costs, weeks of salary* | 4 | 8 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 4.6 | 21 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.5 | 17 | |
| 2.01 | Quality of overall infrastructure | 5.9 | 16 | 7.07 | Brain drain | 4.1 | 41 |
| 2.02 | Quality of roads | 5.9 | 14 | 7.08 | Women in labor force, ratio to men* | 0.74 | 87 |
| 2.03 | Quality of railroad infrastructure | 6.6 | 2 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 31 | 8.01 | Availability of financial services | 5.2 | 36 |
| 2.05 | Quality of air transport infrastructure | 5.3 | 46 | 8.02 | Affordability of financial services | 5.0 | 29 |
| 2.06 | Available airline seat kms/week, millions* | 5,097.2 | 4 | 8.03 | Financing through local equity market | 4.6 | 17 |
| 2.07 | Quality of electricity supply | 5.9 | 36 | 8.04 | Ease of access to loans | 3.1 | 56 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 102.7 | 82 | 8.05 | Venture capital availability | 3.0 | 42 |
| 2.09 | Fixed telephone lines/100 pop.* | 51.1 | 12 | 8.06 | Soundness of banks | 5.4 | 63 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.7 | 41 | |
| 3.01 | Government budget balance, % GDP* | -10.1 | 143 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 21.9 | 60 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | -0.3 | 51 | 9.01 | Availability of latest technologies | 6.3 | 11 |
| 3.04 | General government debt, % GDP* | 229.8 | 144 | 9.02 | Firm-level technology absorption | 6.2 | 4 |
| 3.05 | Country credit rating, 0-100 (best)* | 81.1 | 19 | 9.03 | FDI and technology transfer | 4.7 | 67 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 79.5 | 17 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 27.4 | 18 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 23.1 | 54 |
| 4.03 | Business impact of tuberculosis | 5.6 | 60 | 9.07 | Mobile broadband subscriptions/100 pop.* | 93.7 | 3 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 21.0 | 46 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 55 | 10.01 | Domestic market size index, 1-7 (best)* | 6.1 | 4 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 6.1 | 8 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.4 | 7 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 82.9 | 1 | 11.01 | Local supplier quantity | 6.2 | 1 |
| 4.09 | Quality of primary education | 5.0 | 21 | 11.02 | Local supplier quality | 6.1 | 3 |
| 4.10 | Primary education enrollment, net %* | 100.0 | 2 | 11.03 | State of cluster development | 5.2 | 5 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.4 | 2 | |
| 5.01 | Secondary education enrollment, gross %* | 102.2 | 22 | 11.05 | Value chain breadth | 6.1 | 2 |
| 5.02 | Tertiary education enrollment, gross %* | 59.7 | 36 | 11.06 | Control of international distribution | 5.6 | 1 |
| 5.03 | Quality of the educational system | 4.2 | 43 | 11.07 | Production process sophistication | 6.6 | 1 |
| 5.04 | Quality of math and science education | 4.8 | 27 | 11.08 | Extent of marketing | 5.6 | 10 |
| 5.05 | Quality of management schools | 4.1 | 80 | 11.09 | Willingness to delegate authority | 4.5 | 25 |
| 5.06 | Internet access in schools | 4.9 | 43 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.5 | 12 | 12.01 | Capacity for innovation | 5.9 | 1 |
| 5.08 | Extent of staff training | 5.3 | 5 | 12.02 | Quality of scientific research institutions | 5.6 | 11 |
| | | | | 12.03 | Company spending on R&D | 5.8 | 2 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.0 | 16 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 48 |
| | | | | 12.06 | Availability of scientists and engineers | 5.7 | 2 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 210.7 | 5 |

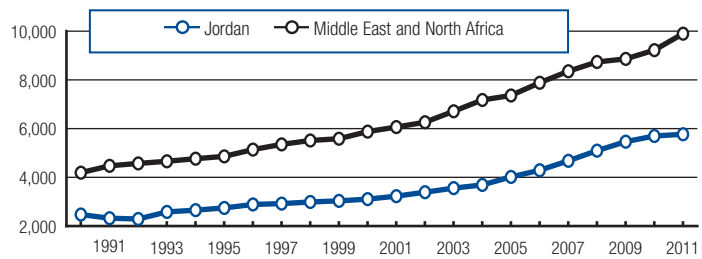
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Jordan

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 6.4 |
| GDP (US\$ billions)..... | 29.2 |
| GDP per capita (US\$)..... | 4,675 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

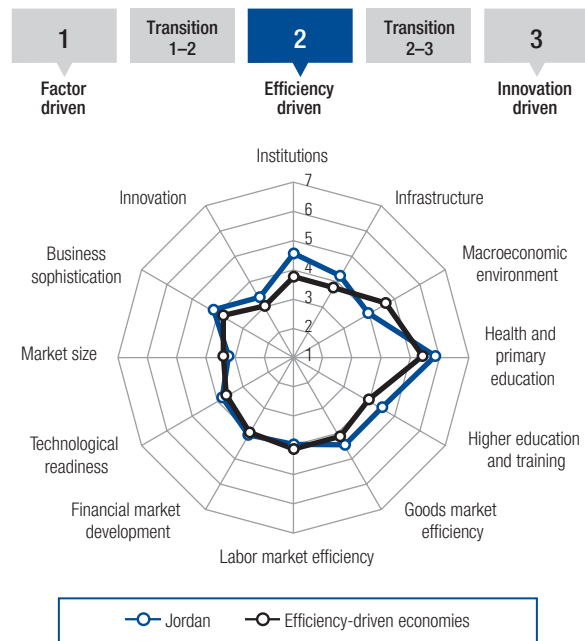
GDP (PPP) per capita (int'l \$), 1990–2011



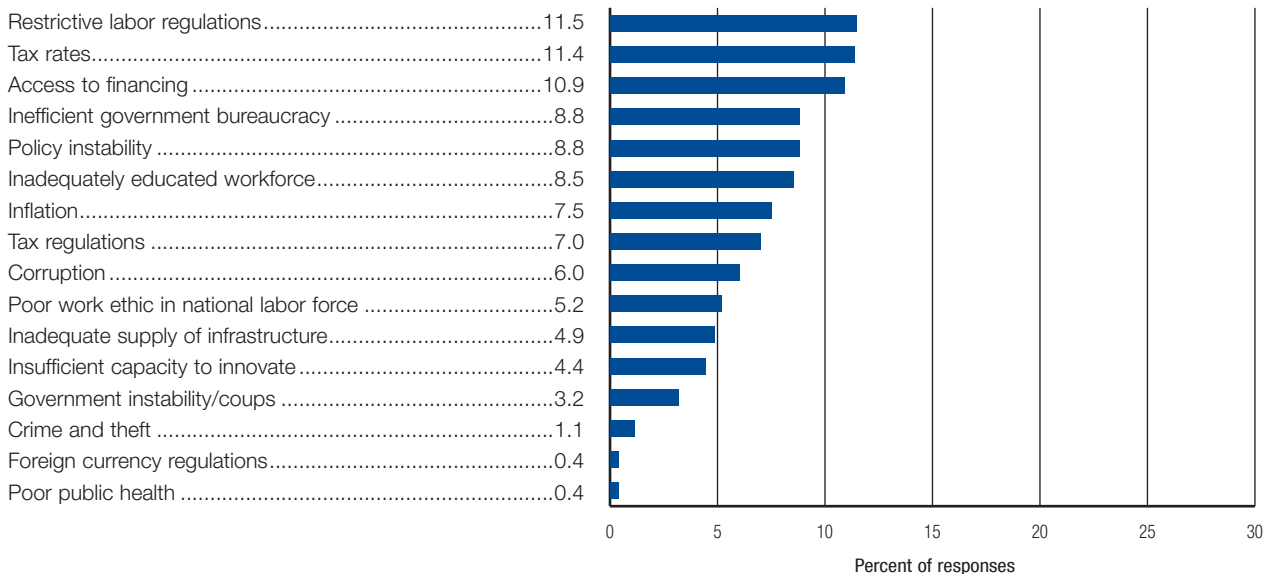
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 64 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 71 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 65 | 4.2 |
| Basic requirements (40.0%) | 66 | 4.6 |
| Institutions..... | 42 | 4.5 |
| Infrastructure..... | 60 | 4.2 |
| Macroeconomic environment..... | 112 | 3.9 |
| Health and primary education..... | 56 | 5.8 |
| Efficiency enhancers (50.0%) | 70 | 4.0 |
| Higher education and training..... | 55 | 4.5 |
| Goods market efficiency..... | 44 | 4.5 |
| Labor market efficiency..... | 101 | 4.0 |
| Financial market development..... | 65 | 4.1 |
| Technological readiness..... | 69 | 3.8 |
| Market size..... | 84 | 3.2 |
| Innovation and sophistication factors (10.0%) | 52 | 3.7 |
| Business sophistication..... | 55 | 4.2 |
| Innovation..... | 57 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.3 | 30 | 6.01 | Intensity of local competition | 5.4 | 31 |
| 1.02 | Intellectual property protection | 4.5 | 39 | 6.02 | Extent of market dominance | 4.0 | 46 |
| 1.03 | Diversion of public funds | 3.8 | 47 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 52 |
| 1.04 | Public trust in politicians | 3.4 | 45 | 6.04 | Extent and effect of taxation | 3.4 | 83 |
| 1.05 | Irregular payments and bribes | 4.8 | 43 | 6.05 | Total tax rate, % profits* | 27.7 | 27 |
| 1.06 | Judicial independence | 4.4 | 48 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 3.5 | 45 | 6.07 | No. days to start a business* | 12 | 53 |
| 1.08 | Wastefulness of government spending | 3.5 | 50 | 6.08 | Agricultural policy costs | 3.8 | 85 |
| 1.09 | Burden of government regulation | 3.6 | 51 | 6.09 | Prevalence of trade barriers | 4.5 | 62 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.2 | 43 | 6.10 | Trade tariffs, % duty* | 10.1 | 104 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 44 | 6.11 | Prevalence of foreign ownership | 4.6 | 80 |
| 1.12 | Transparency of government policymaking | 4.4 | 55 | 6.12 | Business impact of rules on FDI | 4.6 | 70 |
| 1.13 | Gov't services for improved business performance | 4.3 | 29 | 6.13 | Burden of customs procedures | 4.5 | 46 |
| 1.14 | Business costs of terrorism | 5.5 | 75 | 6.14 | Imports as a percentage of GDP* | 78.1 | 28 |
| 1.15 | Business costs of crime and violence | 5.7 | 26 | 6.15 | Degree of customer orientation | 4.8 | 48 |
| 1.16 | Organized crime | 6.2 | 25 | 6.16 | Buyer sophistication | 3.4 | 75 |
| 1.17 | Reliability of police services | 5.6 | 28 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.3 | 47 | 7.01 | Cooperation in labor-employer relations | 4.4 | 56 |
| 1.19 | Strength of auditing and reporting standards | 5.0 | 48 | 7.02 | Flexibility of wage determination | 5.3 | 49 |
| 1.20 | Efficacy of corporate boards | 4.2 | 95 | 7.03 | Hiring and firing practices | 3.8 | 85 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 32 | 7.04 | Redundancy costs, weeks of salary* | 4 | 13 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 4.0 | 61 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 89 | |
| 2.01 | Quality of overall infrastructure | 5.1 | 41 | 7.07 | Brain drain | 3.7 | 52 |
| 2.02 | Quality of roads | 4.8 | 45 | 7.08 | Women in labor force, ratio to men* | 0.24 | 142 |
| 2.03 | Quality of railroad infrastructure | 1.9 | 96 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.4 | 62 | 8.01 | Availability of financial services | 4.6 | 67 |
| 2.05 | Quality of air transport infrastructure | 5.5 | 38 | 8.02 | Affordability of financial services | 4.4 | 52 |
| 2.06 | Available airline seat kms/week, millions* | 185.5 | 66 | 8.03 | Financing through local equity market | 3.9 | 45 |
| 2.07 | Quality of electricity supply | 5.7 | 39 | 8.04 | Ease of access to loans | 3.2 | 45 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 118.2 | 47 | 8.05 | Venture capital availability | 2.9 | 48 |
| 2.09 | Fixed telephone lines/100 pop.* | 7.4 | 102 | 8.06 | Soundness of banks | 5.4 | 61 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5 | 52 | |
| 3.01 | Government budget balance, % GDP* | -6.2 | 123 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 14.4 | 102 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.4 | 64 | 9.01 | Availability of latest technologies | 5.7 | 38 |
| 3.04 | General government debt, % GDP* | 69.8 | 114 | 9.02 | Firm-level technology absorption | 5.6 | 28 |
| 3.05 | Country credit rating, 0-100 (best)* | 46.0 | 73 | 9.03 | FDI and technology transfer | 5.0 | 39 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 34.9 | 82 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 3.2 | 85 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.3 | 99 |
| 4.03 | Business impact of tuberculosis | 6.2 | 29 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.9 | 80 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 5.4 | 13 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.2 | 19 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1 | 86 |
| 4.06 | HIV prevalence, % adult pop.* | 0.0 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 3.7 | 91 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 18.4 | 80 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.3 | 74 | 11.01 | Local supplier quantity | 4.9 | 59 |
| 4.09 | Quality of primary education | 4.5 | 43 | 11.02 | Local supplier quality | 4.4 | 73 |
| 4.10 | Primary education enrollment, net %* | 90.7 | 91 | 11.03 | State of cluster development | 4.1 | 46 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.0 | 37 | |
| 5.01 | Secondary education enrollment, gross %* | 86.9 | 79 | 11.05 | Value chain breadth | 3.8 | 50 |
| 5.02 | Tertiary education enrollment, gross %* | 37.7 | 67 | 11.06 | Control of international distribution | 4.2 | 49 |
| 5.03 | Quality of the educational system | 4.4 | 31 | 11.07 | Production process sophistication | 4.0 | 52 |
| 5.04 | Quality of math and science education | 4.7 | 28 | 11.08 | Extent of marketing | 4.2 | 63 |
| 5.05 | Quality of management schools | 4.3 | 55 | 11.09 | Willingness to delegate authority | 4.0 | 44 |
| 5.06 | Internet access in schools | 4.9 | 44 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.5 | 47 | 12.01 | Capacity for innovation | 3.3 | 57 |
| 5.08 | Extent of staff training | 3.8 | 88 | 12.02 | Quality of scientific research institutions | 3.5 | 77 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 95 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 93 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 69 |
| | | | | 12.06 | Availability of scientists and engineers | 5.2 | 11 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.5 | 74 |

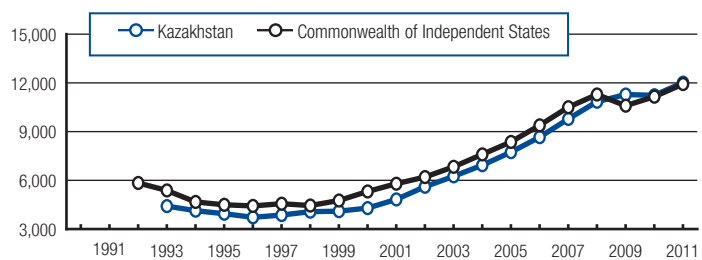
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Kazakhstan

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 16.4 |
| GDP (US\$ billions)..... | 178.3 |
| GDP per capita (US\$)..... | 10,694 |
| GDP (PPP) as share (%) of world total..... | 0.28 |

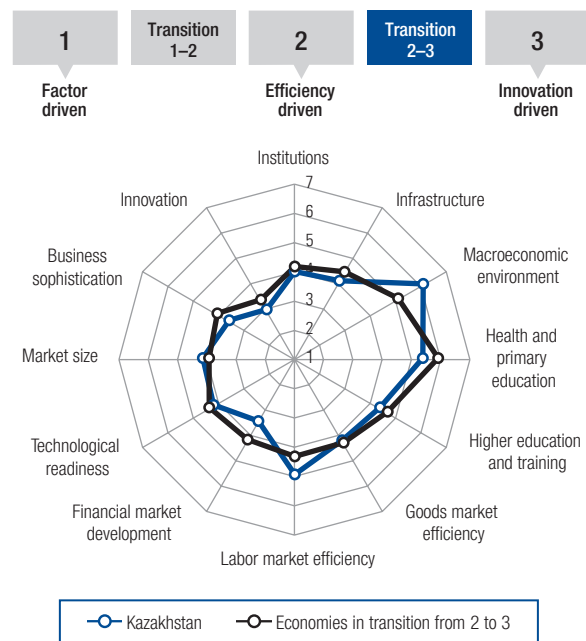
GDP (PPP) per capita (int'l \$), 1990–2011



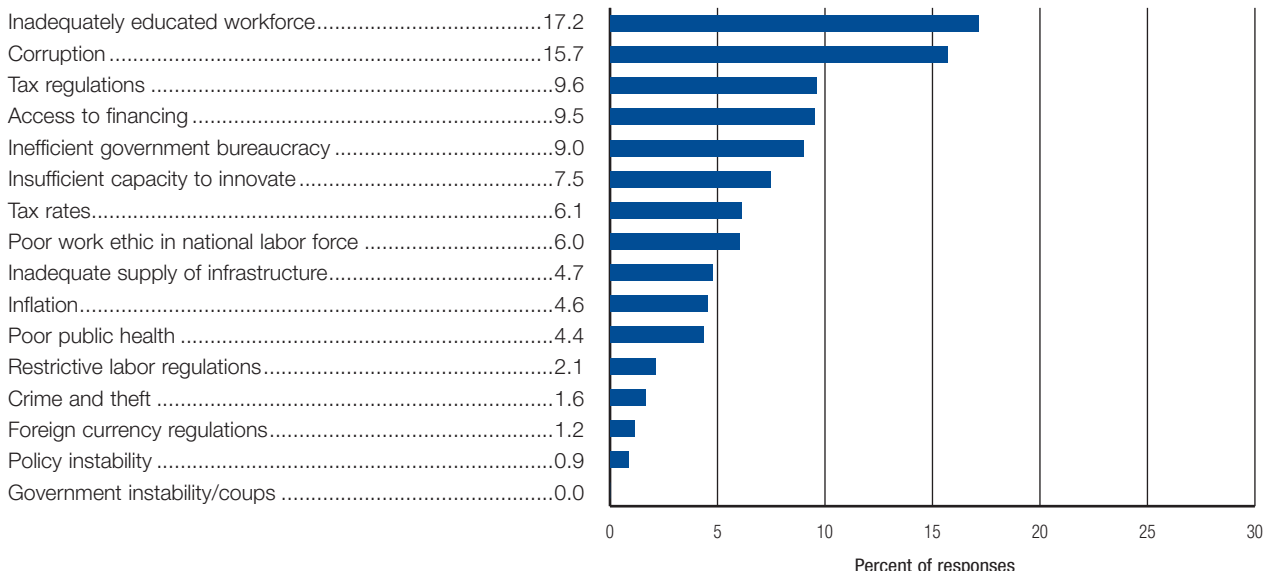
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 51 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 72 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 72 | 4.1 |
| Basic requirements (39.3%) | 47 | 4.9 |
| Institutions..... | 66 | 4.0 |
| Infrastructure..... | 67 | 4.0 |
| Macroeconomic environment..... | 16 | 6.1 |
| Health and primary education..... | 92 | 5.4 |
| Efficiency enhancers (50.0%) | 56 | 4.2 |
| Higher education and training..... | 58 | 4.4 |
| Goods market efficiency..... | 71 | 4.2 |
| Labor market efficiency..... | 19 | 5.0 |
| Financial market development..... | 115 | 3.5 |
| Technological readiness..... | 55 | 4.2 |
| Market size..... | 55 | 4.1 |
| Innovation and sophistication factors (10.7%) | 104 | 3.2 |
| Business sophistication..... | 99 | 3.6 |
| Innovation..... | 103 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Kazakhstan

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 77 | 6.01 | Intensity of local competition | 4.1 | 113 |
| 1.02 | Intellectual property protection | 3.2 | 92 | 6.02 | Extent of market dominance | 3.5 | 83 |
| 1.03 | Diversion of public funds | 3.1 | 74 | 6.03 | Effectiveness of anti-monopoly policy | 3.7 | 95 |
| 1.04 | Public trust in politicians | 3.7 | 37 | 6.04 | Extent and effect of taxation | 3.9 | 39 |
| 1.05 | Irregular payments and bribes | 4.0 | 64 | 6.05 | Total tax rate, % profits* | 28.6 | 31 |
| 1.06 | Judicial independence | 3.2 | 94 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 91 | 6.07 | No. days to start a business* | 19 | 80 |
| 1.08 | Wastefulness of government spending | 3.8 | 31 | 6.08 | Agricultural policy costs | 4.2 | 48 |
| 1.09 | Burden of government regulation | 3.6 | 52 | 6.09 | Prevalence of trade barriers | 4.4 | 64 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 67 | 6.10 | Trade tariffs, % duty* | 9.6 | 102 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 76 | 6.11 | Prevalence of foreign ownership | 4.1 | 102 |
| 1.12 | Transparency of government policymaking | 4.9 | 32 | 6.12 | Business impact of rules on FDI | 4.3 | 100 |
| 1.13 | Gov't services for improved business performance | 4.6 | 13 | 6.13 | Burden of customs procedures | 3.9 | 77 |
| 1.14 | Business costs of terrorism | 5.6 | 70 | 6.14 | Imports as a percentage of GDP* | 27.3 | 125 |
| 1.15 | Business costs of crime and violence | 5.0 | 63 | 6.15 | Degree of customer orientation | 4.3 | 104 |
| 1.16 | Organized crime | 4.9 | 85 | 6.16 | Buyer sophistication | 4.0 | 36 |
| 1.17 | Reliability of police services | 3.7 | 96 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.9 | 70 | 7.01 | Cooperation in labor-employer relations | 4.5 | 49 |
| 1.19 | Strength of auditing and reporting standards | 4.5 | 74 | 7.02 | Flexibility of wage determination | 5.4 | 30 |
| 1.20 | Efficacy of corporate boards | 4.9 | 36 | 7.03 | Hiring and firing practices | 4.7 | 24 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 89 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.0 | 10 | 7.05 | Pay and productivity | 4.8 | 10 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.0 | 87 | |
| 2.01 | Quality of overall infrastructure | 4.1 | 78 | 7.07 | Brain drain | 3.4 | 72 |
| 2.02 | Quality of roads | 2.7 | 117 | 7.08 | Women in labor force, ratio to men* | 0.91 | 24 |
| 2.03 | Quality of railroad infrastructure | 4.3 | 29 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.4 | 115 | 8.01 | Availability of financial services | 4.5 | 79 |
| 2.05 | Quality of air transport infrastructure | 4.1 | 95 | 8.02 | Affordability of financial services | 4.0 | 78 |
| 2.06 | Available airline seat kms/week, millions* | 212.9 | 61 | 8.03 | Financing through local equity market | 2.8 | 109 |
| 2.07 | Quality of electricity supply | 4.4 | 81 | 8.04 | Ease of access to loans | 2.3 | 110 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 142.5 | 20 | 8.05 | Venture capital availability | 2.2 | 105 |
| 2.09 | Fixed telephone lines/100 pop.* | 26.1 | 47 | 8.06 | Soundness of banks | 4.3 | 120 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.7 | 100 | |
| 3.01 | Government budget balance, % GDP* | 5.8 | 12 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 39.6 | 13 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.3 | 110 | 9.01 | Availability of latest technologies | 4.6 | 90 |
| 3.04 | General government debt, % GDP* | 10.9 | 14 | 9.02 | Firm-level technology absorption | 4.5 | 91 |
| 3.05 | Country credit rating, 0-100 (best)* | 55.0 | 57 | 9.03 | FDI and technology transfer | 4.4 | 85 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 45.0 | 62 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 7.5 | 67 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 23.6 | 53 |
| 4.03 | Business impact of tuberculosis | 4.4 | 112 | 9.07 | Mobile broadband subscriptions/100 pop.* | 38.4 | 27 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 151.0 | 107 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 73 | 10.01 | Domestic market size index, 1-7 (best)* | 3.9 | 56 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 43 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 29.1 | 98 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.3 | 104 | 11.01 | Local supplier quantity | 4.2 | 120 |
| 4.09 | Quality of primary education | 3.7 | 72 | 11.02 | Local supplier quality | 4.2 | 90 |
| 4.10 | Primary education enrollment, net %* | 88.2 | 102 | 11.03 | State of cluster development | 3.1 | 110 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 124 | |
| 5.01 | Secondary education enrollment, gross %* | 99.6 | 35 | 11.05 | Value chain breadth | 3.1 | 111 |
| 5.02 | Tertiary education enrollment, gross %* | 40.8 | 60 | 11.06 | Control of international distribution | 3.8 | 90 |
| 5.03 | Quality of the educational system | 3.2 | 101 | 11.07 | Production process sophistication | 3.6 | 76 |
| 5.04 | Quality of math and science education | 3.8 | 81 | 11.08 | Extent of marketing | 3.8 | 84 |
| 5.05 | Quality of management schools | 3.7 | 103 | 11.09 | Willingness to delegate authority | 3.6 | 85 |
| 5.06 | Internet access in schools | 4.3 | 67 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 72 | 12.01 | Capacity for innovation | 2.9 | 92 |
| 5.08 | Extent of staff training | 3.9 | 72 | 12.02 | Quality of scientific research institutions | 3.0 | 108 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 94 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 90 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 71 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 104 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.1 | 65 |

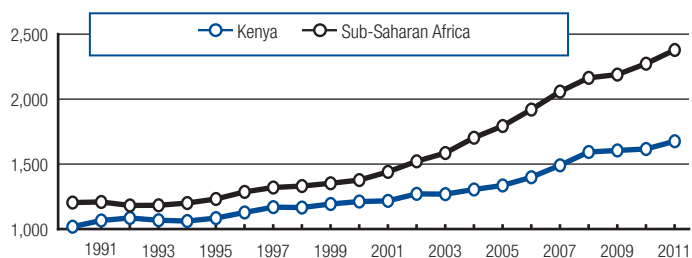
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Kenya

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 41.8 |
| GDP (US\$ billions)..... | 34.8 |
| GDP per capita (US\$)..... | 851 |
| GDP (PPP) as share (%) of world total..... | 0.09 |

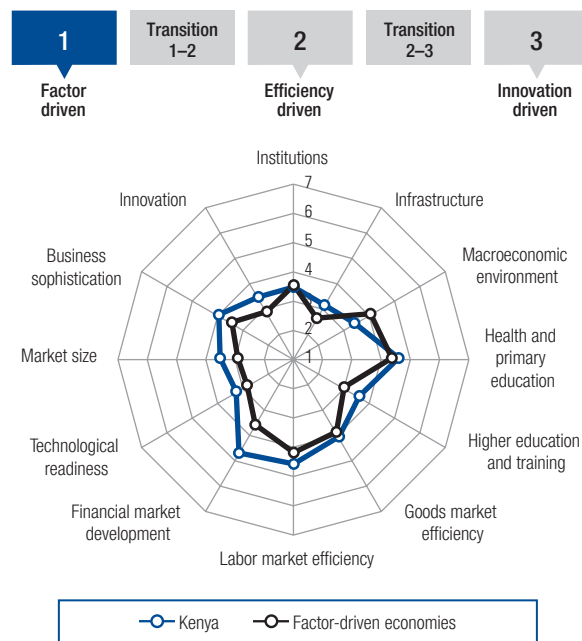
GDP (PPP) per capita (int'l \$), 1990–2011



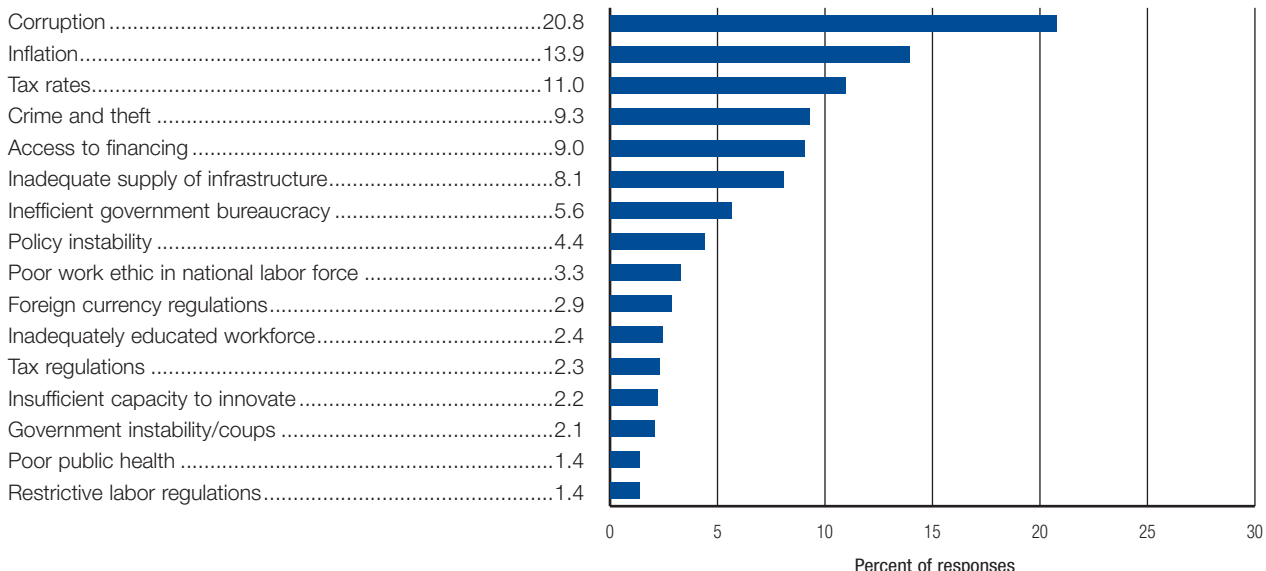
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 106 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 102 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 106 | 3.6 |
| Basic requirements (60.0%) | 123 | 3.6 |
| Institutions..... | 106 | 3.4 |
| Infrastructure..... | 103 | 3.1 |
| Macroeconomic environment..... | 133 | 3.4 |
| Health and primary education..... | 115 | 4.6 |
| Efficiency enhancers (35.0%) | 76 | 4.0 |
| Higher education and training..... | 100 | 3.6 |
| Goods market efficiency..... | 93 | 4.1 |
| Labor market efficiency..... | 39 | 4.6 |
| Financial market development..... | 24 | 4.7 |
| Technological readiness..... | 101 | 3.3 |
| Market size..... | 75 | 3.5 |
| Innovation and sophistication factors (5.0%) | 56 | 3.7 |
| Business sophistication..... | 67 | 4.0 |
| Innovation..... | 50 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 110 | 6.01 | Intensity of local competition | 4.9 | 63 |
| 1.02 | Intellectual property protection | 3.1 | 96 | 6.02 | Extent of market dominance | 3.8 | 62 |
| 1.03 | Diversion of public funds | 2.8 | 93 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 47 |
| 1.04 | Public trust in politicians | 2.4 | 92 | 6.04 | Extent and effect of taxation | 3.3 | 90 |
| 1.05 | Irregular payments and bribes | 3.0 | 125 | 6.05 | Total tax rate, % profits* | 49.6 | 111 |
| 1.06 | Judicial independence | 3.4 | 85 | 6.06 | No. procedures to start a business* | 11 | 119 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 120 | 6.07 | No. days to start a business* | 33 | 108 |
| 1.08 | Wastefulness of government spending | 3.1 | 81 | 6.08 | Agricultural policy costs | 4.0 | 62 |
| 1.09 | Burden of government regulation | 3.4 | 74 | 6.09 | Prevalence of trade barriers | 3.9 | 105 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.7 | 72 | 6.10 | Trade tariffs, % duty* | 9.0 | 100 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.6 | 69 | 6.11 | Prevalence of foreign ownership | 4.4 | 93 |
| 1.12 | Transparency of government policymaking | 3.8 | 105 | 6.12 | Business impact of rules on FDI | 4.4 | 90 |
| 1.13 | Gov't services for improved business performance | 3.8 | 61 | 6.13 | Burden of customs procedures | 3.4 | 109 |
| 1.14 | Business costs of terrorism | 3.8 | 137 | 6.14 | Imports as a percentage of GDP* | 43.3 | 76 |
| 1.15 | Business costs of crime and violence | 3.5 | 120 | 6.15 | Degree of customer orientation | 4.6 | 63 |
| 1.16 | Organized crime | 4.2 | 115 | 6.16 | Buyer sophistication | 3.3 | 86 |
| 1.17 | Reliability of police services | 3.4 | 113 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 102 | 7.01 | Cooperation in labor-employer relations | 4.2 | 77 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 81 | 7.02 | Flexibility of wage determination | 5.0 | 75 |
| 1.20 | Efficacy of corporate boards | 4.4 | 79 | 7.03 | Hiring and firing practices | 5.0 | 11 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 87 | 7.04 | Redundancy costs, weeks of salary* | 16 | 73 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.0 | 59 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 63 | |
| 2.01 | Quality of overall infrastructure | 4.0 | 80 | 7.07 | Brain drain | 3.4 | 67 |
| 2.02 | Quality of roads | 3.9 | 72 | 7.08 | Women in labor force, ratio to men* | 0.86 | 47 |
| 2.03 | Quality of railroad infrastructure | 2.5 | 72 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.8 | 91 | 8.01 | Availability of financial services | 4.7 | 63 |
| 2.05 | Quality of air transport infrastructure | 4.8 | 65 | 8.02 | Affordability of financial services | 4.4 | 54 |
| 2.06 | Available airline seat kms/week, millions* | 283.2 | 55 | 8.03 | Financing through local equity market | 4.4 | 26 |
| 2.07 | Quality of electricity supply | 3.6 | 102 | 8.04 | Ease of access to loans | 3.6 | 25 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 64.8 | 120 | 8.05 | Venture capital availability | 3.2 | 32 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.7 | 130 | 8.06 | Soundness of banks | 5.0 | 77 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 65 | |
| 3.01 | Government budget balance, % GDP* | -4.1 | 93 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 11.3 | 119 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 14.0 | 133 | 9.01 | Availability of latest technologies | 4.9 | 74 |
| 3.04 | General government debt, % GDP* | 48.9 | 95 | 9.02 | Firm-level technology absorption | 4.9 | 58 |
| 3.05 | Country credit rating, 0-100 (best)* | 29.1 | 106 | 9.03 | FDI and technology transfer | 4.8 | 53 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 28.0 | 92 | |
| 4.01 | Business impact of malaria | 3.4 | 128 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 120 |
| 4.02 | Malaria cases/100,000 pop.* | 5,852.6 | 121 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.5 | 110 |
| 4.03 | Business impact of tuberculosis | 3.7 | 128 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.3 | 119 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 298.0 | 130 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.3 | 130 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4 | 69 |
| 4.06 | HIV prevalence, % adult pop.* | 6.3 | 134 | 10.02 | Foreign market size index, 1-7 (best)* | 3.8 | 87 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 55.1 | 118 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 56.5 | 123 | 11.01 | Local supplier quantity | 5.0 | 39 |
| 4.09 | Quality of primary education | 3.6 | 78 | 11.02 | Local supplier quality | 4.5 | 64 |
| 4.10 | Primary education enrollment, net %* | 82.8 | 120 | 11.03 | State of cluster development | 3.8 | 65 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 66 | |
| 5.01 | Secondary education enrollment, gross %* | 60.2 | 108 | 11.05 | Value chain breadth | 3.8 | 53 |
| 5.02 | Tertiary education enrollment, gross %* | 4.0 | 130 | 11.06 | Control of international distribution | 3.8 | 94 |
| 5.03 | Quality of the educational system | 4.3 | 37 | 11.07 | Production process sophistication | 3.6 | 68 |
| 5.04 | Quality of math and science education | 3.9 | 76 | 11.08 | Extent of marketing | 3.8 | 86 |
| 5.05 | Quality of management schools | 4.3 | 56 | 11.09 | Willingness to delegate authority | 3.6 | 86 |
| 5.06 | Internet access in schools | 3.8 | 85 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 64 | 12.01 | Capacity for innovation | 3.5 | 46 |
| 5.08 | Extent of staff training | 3.9 | 70 | 12.02 | Quality of scientific research institutions | 4.0 | 50 |
| | | | 12.03 | Company spending on R&D | 3.7 | 31 | |
| | | | 12.04 | University-industry collaboration in R&D | 4.2 | 41 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 76 | |
| | | | 12.06 | Availability of scientists and engineers | 4.1 | 66 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 95 | |

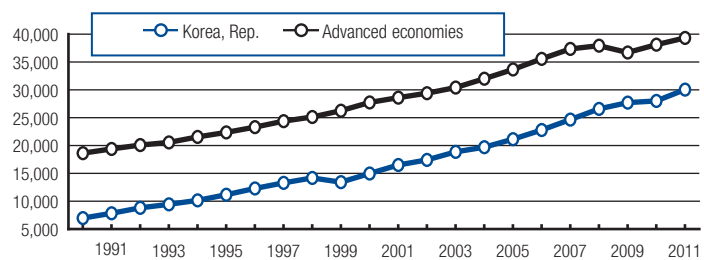
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Korea, Rep.

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 49.4 |
| GDP (US\$ billions)..... | 1,116.2 |
| GDP per capita (US\$)..... | 22,778 |
| GDP (PPP) as share (%) of world total..... | 1.97 |

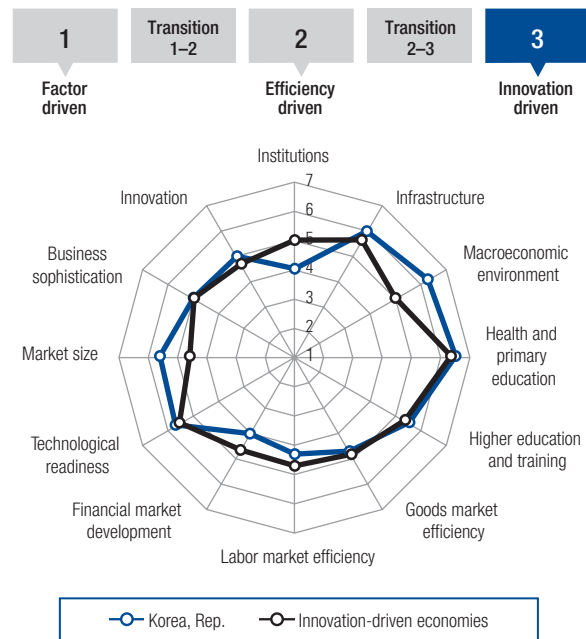
GDP (PPP) per capita (int'l \$), 1990–2011



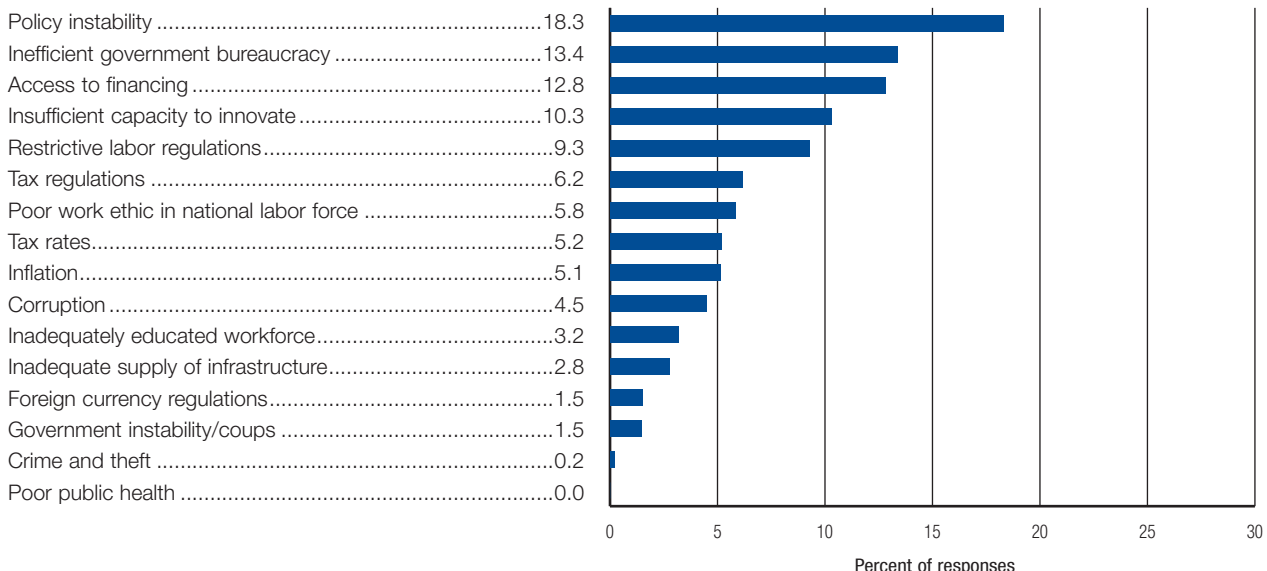
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 19 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 24 | 5.0 |
| GCI 2010–2011 (out of 139)..... | 22 | 4.9 |
| Basic requirements (20.0%) | 18 | 5.7 |
| Institutions..... | 62 | 4.0 |
| Infrastructure..... | 9 | 5.9 |
| Macroeconomic environment..... | 10 | 6.2 |
| Health and primary education..... | 11 | 6.5 |
| Efficiency enhancers (50.0%) | 20 | 5.0 |
| Higher education and training..... | 17 | 5.5 |
| Goods market efficiency..... | 29 | 4.8 |
| Labor market efficiency..... | 73 | 4.4 |
| Financial market development..... | 71 | 4.1 |
| Technological readiness..... | 18 | 5.7 |
| Market size..... | 11 | 5.6 |
| Innovation and sophistication factors (30.0%) | 17 | 5.0 |
| Business sophistication..... | 22 | 5.0 |
| Innovation..... | 16 | 4.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Korea, Rep.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.7 | 52 | 6.01 | Intensity of local competition | 5.7 | 11 |
| 1.02 | Intellectual property protection | 4.3 | 40 | 6.02 | Extent of market dominance | 3.3 | 99 |
| 1.03 | Diversion of public funds | 3.5 | 58 | 6.03 | Effectiveness of anti-monopoly policy | 4.5 | 38 |
| 1.04 | Public trust in politicians | 2.1 | 117 | 6.04 | Extent and effect of taxation | 3.1 | 108 |
| 1.05 | Irregular payments and bribes | 4.4 | 50 | 6.05 | Total tax rate, % profits* | 29.7 | 34 |
| 1.06 | Judicial independence | 3.7 | 74 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 89 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 2.7 | 107 | 6.08 | Agricultural policy costs | 3.6 | 97 |
| 1.09 | Burden of government regulation | 2.9 | 114 | 6.09 | Prevalence of trade barriers | 4.0 | 92 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 80 | 6.10 | Trade tariffs, % duty* | 8.5 | 96 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 96 | 6.11 | Prevalence of foreign ownership | 4.4 | 91 |
| 1.12 | Transparency of government policymaking | 3.3 | 133 | 6.12 | Business impact of rules on FDI | 4.7 | 63 |
| 1.13 | Gov't services for improved business performance | 4.0 | 46 | 6.13 | Burden of customs procedures | 4.4 | 52 |
| 1.14 | Business costs of terrorism | 5.5 | 74 | 6.14 | Imports as a percentage of GDP* | 55.8 | 51 |
| 1.15 | Business costs of crime and violence | 5.4 | 44 | 6.15 | Degree of customer orientation | 5.6 | 9 |
| 1.16 | Organized crime | 5.5 | 57 | 6.16 | Buyer sophistication | 4.4 | 22 |
| 1.17 | Reliability of police services | 5.0 | 39 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.1 | 56 | 7.01 | Cooperation in labor-employer relations | 3.6 | 129 |
| 1.19 | Strength of auditing and reporting standards | 4.5 | 75 | 7.02 | Flexibility of wage determination | 5.1 | 63 |
| 1.20 | Efficacy of corporate boards | 4.0 | 121 | 7.03 | Hiring and firing practices | 3.4 | 109 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 109 | 7.04 | Redundancy costs, weeks of salary* | 27 | 117 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 4.9 | 9 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.9 | 40 | |
| 2.01 | Quality of overall infrastructure | 5.8 | 22 | 7.07 | Brain drain | 4.8 | 17 |
| 2.02 | Quality of roads | 5.8 | 17 | 7.08 | Women in labor force, ratio to men* | 0.72 | 94 |
| 2.03 | Quality of railroad infrastructure | 5.6 | 10 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.5 | 20 | 8.01 | Availability of financial services | 4.2 | 89 |
| 2.05 | Quality of air transport infrastructure | 5.9 | 26 | 8.02 | Affordability of financial services | 4.6 | 42 |
| 2.06 | Available airline seat kms/week, millions* | 2,090.8 | 18 | 8.03 | Financing through local equity market | 3.5 | 67 |
| 2.07 | Quality of electricity supply | 6.0 | 32 | 8.04 | Ease of access to loans | 2.2 | 115 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 108.5 | 65 | 8.05 | Venture capital availability | 2.2 | 110 |
| 2.09 | Fixed telephone lines/100 pop.* | 60.9 | 4 | 8.06 | Soundness of banks | 4.6 | 98 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 80 | |
| 3.01 | Government budget balance, % GDP* | 2.3 | 17 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 31.8 | 20 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.0 | 57 | 9.01 | Availability of latest technologies | 6.1 | 26 |
| 3.04 | General government debt, % GDP* | 34.1 | 55 | 9.02 | Firm-level technology absorption | 6.0 | 11 |
| 3.05 | Country credit rating, 0-100 (best)* | 78.5 | 24 | 9.03 | FDI and technology transfer | 4.5 | 83 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 83.8 | 11 | |
| 4.01 | Business impact of malaria | 5.8 | 85 | 9.05 | Broadband Internet subscriptions/100 pop.* | 36.9 | 5 |
| 4.02 | Malaria cases/100,000 pop.* | 7.9 | 85 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 17.2 | 67 |
| 4.03 | Business impact of tuberculosis | 5.4 | 72 | 9.07 | Mobile broadband subscriptions/100 pop.* | 105.1 | 2 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 97.0 | 91 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 80 | 10.01 | Domestic market size index, 1-7 (best)* | 5.4 | 12 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 6.2 | 5 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.2 | 27 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.8 | 15 | 11.01 | Local supplier quantity | 5.3 | 21 |
| 4.09 | Quality of primary education | 5.5 | 14 | 11.02 | Local supplier quality | 5.2 | 25 |
| 4.10 | Primary education enrollment, net %* | 98.6 | 21 | 11.03 | State of cluster development | 4.6 | 22 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.4 | 16 | |
| 5.01 | Secondary education enrollment, gross %* | 97.1 | 43 | 11.05 | Value chain breadth | 4.9 | 22 |
| 5.02 | Tertiary education enrollment, gross %* | 103.1 | 1 | 11.06 | Control of international distribution | 5.0 | 11 |
| 5.03 | Quality of the educational system | 4.1 | 44 | 11.07 | Production process sophistication | 5.3 | 21 |
| 5.04 | Quality of math and science education | 5.5 | 8 | 11.08 | Extent of marketing | 5.2 | 27 |
| 5.05 | Quality of management schools | 4.7 | 42 | 11.09 | Willingness to delegate authority | 4.0 | 43 |
| 5.06 | Internet access in schools | 6.2 | 7 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.8 | 31 | 12.01 | Capacity for innovation | 4.5 | 19 |
| 5.08 | Extent of staff training | 4.3 | 42 | 12.02 | Quality of scientific research institutions | 4.9 | 24 |
| | | | | 12.03 | Company spending on R&D | 4.9 | 11 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.7 | 25 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 33 |
| | | | | 12.06 | Availability of scientists and engineers | 4.9 | 23 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 161.1 | 9 |

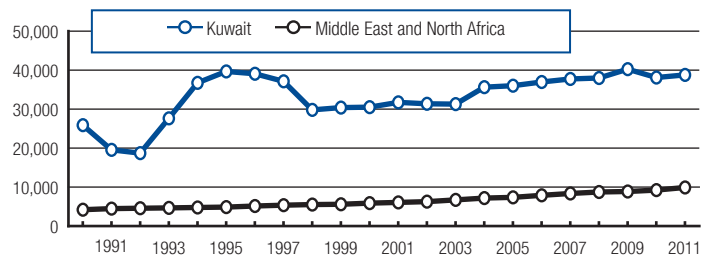
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Kuwait

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 2.8 |
| GDP (US\$ billions)..... | 176.7 |
| GDP per capita (US\$)..... | 47,982 |
| GDP (PPP) as share (%) of world total..... | 0.20 |

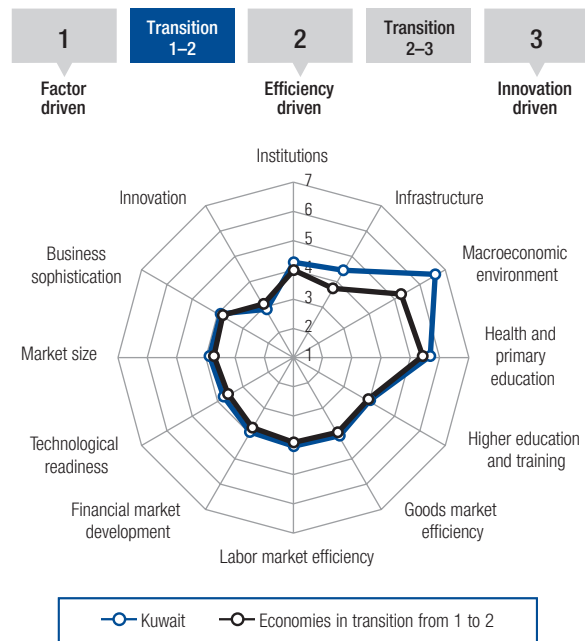
GDP (PPP) per capita (int'l \$), 1990–2011



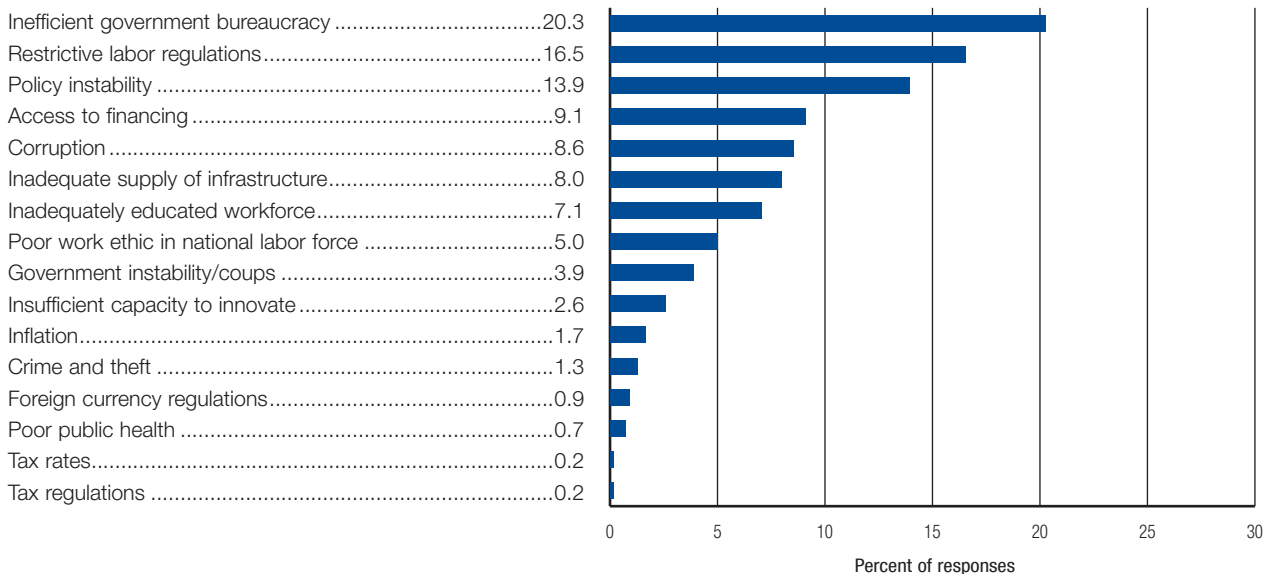
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 37 | 4.6 |
| GCI 2011–2012 (out of 142)..... | 34 | 4.6 |
| GCI 2010–2011 (out of 139)..... | 35 | 4.6 |
| Basic requirements (51.3%) | 32 | 5.2 |
| Institutions..... | 51 | 4.2 |
| Infrastructure..... | 52 | 4.4 |
| Macroeconomic environment..... | 4 | 6.6 |
| Health and primary education..... | 72 | 5.7 |
| Efficiency enhancers (41.5%) | 75 | 4.0 |
| Higher education and training..... | 82 | 4.0 |
| Goods market efficiency..... | 90 | 4.1 |
| Labor market efficiency..... | 98 | 4.1 |
| Financial market development..... | 76 | 4.0 |
| Technological readiness..... | 74 | 3.8 |
| Market size..... | 61 | 3.9 |
| Innovation and sophistication factors (7.2%) | 86 | 3.4 |
| Business sophistication..... | 73 | 3.9 |
| Innovation..... | 108 | 2.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.1 | 38 | 6.01 | Intensity of local competition | 4.7 | 81 |
| 1.02 | Intellectual property protection | 4.0 | 46 | 6.02 | Extent of market dominance | 3.3 | 102 |
| 1.03 | Diversion of public funds | 3.4 | 63 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 106 |
| 1.04 | Public trust in politicians | 3.2 | 53 | 6.04 | Extent and effect of taxation | 5.5 | 6 |
| 1.05 | Irregular payments and bribes | 4.4 | 52 | 6.05 | Total tax rate, % profits* | 15.5 | 9 |
| 1.06 | Judicial independence | 4.9 | 36 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 99 | 6.07 | No. days to start a business* | 32 | 105 |
| 1.08 | Wastefulness of government spending | 2.9 | 100 | 6.08 | Agricultural policy costs | 3.5 | 103 |
| 1.09 | Burden of government regulation | 2.4 | 137 | 6.09 | Prevalence of trade barriers | 4.6 | 46 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 | 57 | 6.10 | Trade tariffs, % duty* | 4.6 | 62 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.7 | 67 | 6.11 | Prevalence of foreign ownership | 3.1 | 137 |
| 1.12 | Transparency of government policymaking | 3.8 | 110 | 6.12 | Business impact of rules on FDI | 2.9 | 141 |
| 1.13 | Gov't services for improved business performance | 2.8 | 127 | 6.13 | Burden of customs procedures | 3.7 | 89 |
| 1.14 | Business costs of terrorism | 5.6 | 60 | 6.14 | Imports as a percentage of GDP* | 27.9 | 123 |
| 1.15 | Business costs of crime and violence | 5.8 | 24 | 6.15 | Degree of customer orientation | 4.6 | 62 |
| 1.16 | Organized crime | 6.2 | 23 | 6.16 | Buyer sophistication | 3.3 | 76 |
| 1.17 | Reliability of police services | 4.8 | 47 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 60 | 7.01 | Cooperation in labor-employer relations | 4.5 | 52 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 60 | 7.02 | Flexibility of wage determination | 5.6 | 20 |
| 1.20 | Efficacy of corporate boards | 3.9 | 130 | 7.03 | Hiring and firing practices | 3.6 | 93 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 96 | 7.04 | Redundancy costs, weeks of salary* | 28 | 122 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.8 | 79 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 100 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 60 | 7.07 | Brain drain | 3.8 | 45 |
| 2.02 | Quality of roads | 4.9 | 44 | 7.08 | Women in labor force, ratio to men* | 0.53 | 125 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.1 | 73 | 8.01 | Availability of financial services | 4.7 | 61 |
| 2.05 | Quality of air transport infrastructure | 4.2 | 87 | 8.02 | Affordability of financial services | 4.3 | 60 |
| 2.06 | Available airline seat kms/week, millions* | 237.3 | 59 | 8.03 | Financing through local equity market | 3.7 | 57 |
| 2.07 | Quality of electricity supply | 5.0 | 63 | 8.04 | Ease of access to loans | 3.1 | 52 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 160.8 | 9 | 8.05 | Venture capital availability | 3.0 | 41 |
| 2.09 | Fixed telephone lines/100 pop.* | 20.7 | 62 | 8.06 | Soundness of banks | 5.4 | 55 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.8 | 96 | |
| 3.01 | Government budget balance, % GDP* | 31.0 | 3 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 59.6 | 1 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.7 | 69 | 9.01 | Availability of latest technologies | 5.0 | 66 |
| 3.04 | General government debt, % GDP* | 7.3 | 7 | 9.02 | Firm-level technology absorption | 5.2 | 41 |
| 3.05 | Country credit rating, 0-100 (best)* | 75.8 | 27 | 9.03 | FDI and technology transfer | 3.3 | 142 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 74.2 | 27 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.7 | 98 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 6.0 | 100 |
| 4.03 | Business impact of tuberculosis | 5.6 | 56 | 9.07 | Mobile broadband subscriptions/100 pop.* | 5.9 | 79 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 41.0 | 66 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 39 | 10.01 | Domestic market size index, 1-7 (best)* | 3.6 | 64 |
| 4.06 | HIV prevalence, % adult pop.* | <0.2 | 50 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 51 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 9.6 | 54 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.6 | 56 | 11.01 | Local supplier quantity | 5.1 | 32 |
| 4.09 | Quality of primary education | 3.4 | 89 | 11.02 | Local supplier quality | 4.2 | 87 |
| 4.10 | Primary education enrollment, net %* | 92.1 | 83 | 11.03 | State of cluster development | 3.2 | 101 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.3 | 82 | |
| 5.01 | Secondary education enrollment, gross %* | 101.0 | 26 | 11.05 | Value chain breadth | 3.0 | 116 |
| 5.02 | Tertiary education enrollment, gross %* | 21.9 | 88 | 11.06 | Control of international distribution | 4.5 | 29 |
| 5.03 | Quality of the educational system | 3.1 | 104 | 11.07 | Production process sophistication | 3.3 | 100 |
| 5.04 | Quality of math and science education | 3.4 | 104 | 11.08 | Extent of marketing | 4.1 | 70 |
| 5.05 | Quality of management schools | 3.7 | 102 | 11.09 | Willingness to delegate authority | 4.3 | 34 |
| 5.06 | Internet access in schools | 4.2 | 69 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.7 | 97 | 12.01 | Capacity for innovation | 2.6 | 113 |
| 5.08 | Extent of staff training | 3.7 | 92 | 12.02 | Quality of scientific research institutions | 3.2 | 103 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 112 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 120 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.9 | 123 |
| | | | | 12.06 | Availability of scientists and engineers | 3.9 | 77 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.4 | 82 |

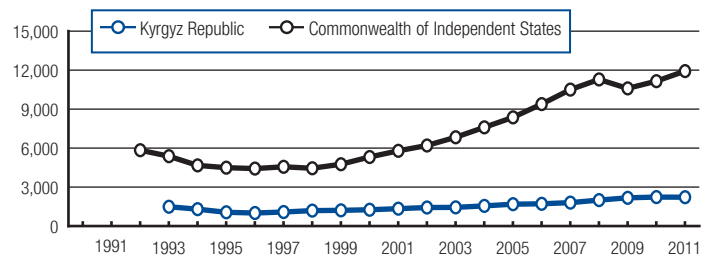
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Kyrgyz Republic

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 5.4 |
| GDP (US\$ billions)..... | 5.9 |
| GDP per capita (US\$)..... | 1,070 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

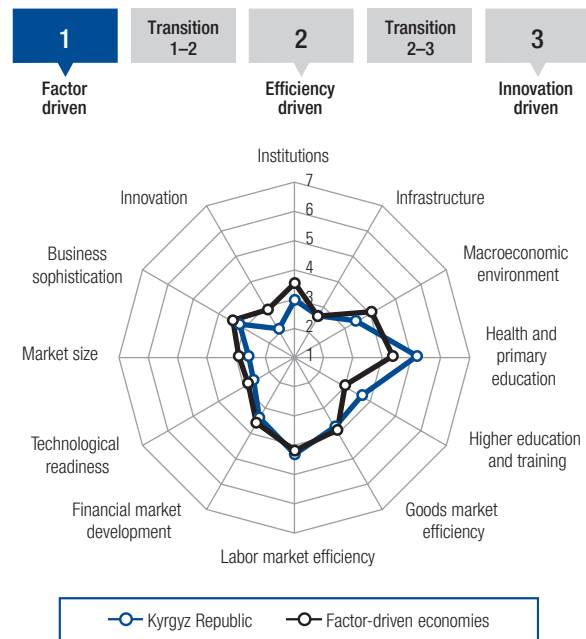
GDP (PPP) per capita (int'l \$), 1990–2011



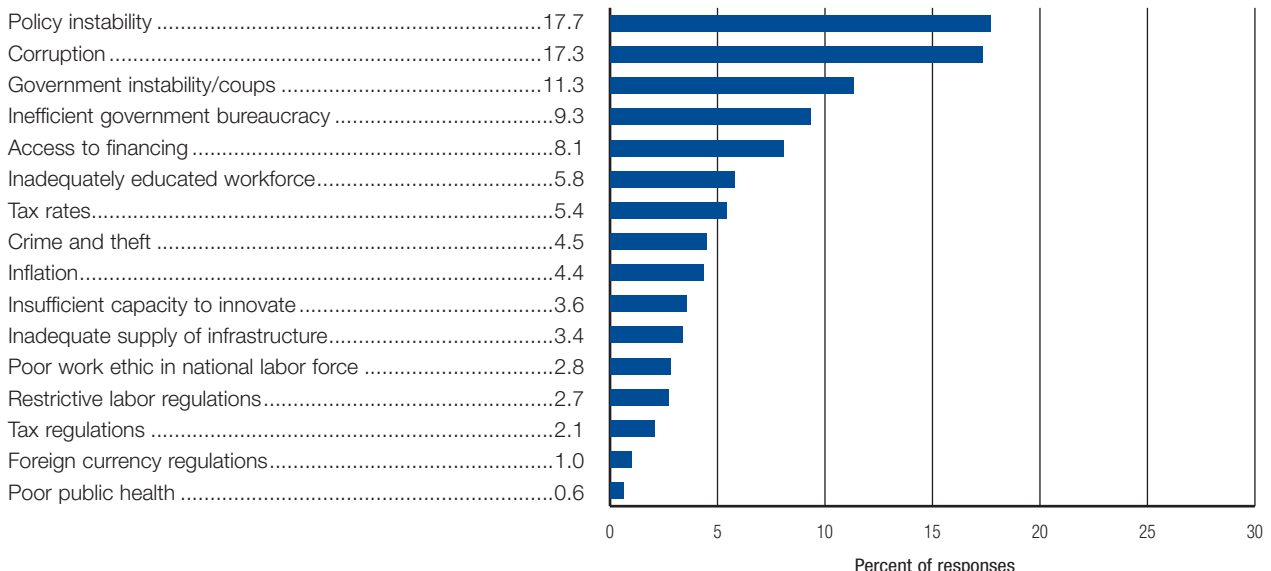
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 127 | 3.4 |
| GCI 2011–2012 (out of 142)..... | 126 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 121 | 3.5 |
| Basic requirements (60.0%) | 128 | 3.5 |
| Institutions..... | 137 | 2.9 |
| Infrastructure..... | 121 | 2.6 |
| Macroeconomic environment..... | 132 | 3.4 |
| Health and primary education..... | 105 | 5.2 |
| Efficiency enhancers (35.0%) | 118 | 3.4 |
| Higher education and training..... | 98 | 3.7 |
| Goods market efficiency..... | 123 | 3.8 |
| Labor market efficiency..... | 72 | 4.4 |
| Financial market development..... | 118 | 3.4 |
| Technological readiness..... | 130 | 2.6 |
| Market size..... | 117 | 2.6 |
| Innovation and sophistication factors (5.0%) | 140 | 2.6 |
| Business sophistication..... | 130 | 3.2 |
| Innovation..... | 142 | 2.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Kyrgyz Republic

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.4 | 142 | 6.01 | Intensity of local competition | 4.0 | 123 |
| 1.02 | Intellectual property protection | 2.0 | 140 | 6.02 | Extent of market dominance | 3.1 | 129 |
| 1.03 | Diversion of public funds | 2.1 | 138 | 6.03 | Effectiveness of anti-monopoly policy | 2.9 | 139 |
| 1.04 | Public trust in politicians | 1.9 | 126 | 6.04 | Extent and effect of taxation | 3.3 | 92 |
| 1.05 | Irregular payments and bribes | 2.5 | 137 | 6.05 | Total tax rate, % profits* | 69.0 | 134 |
| 1.06 | Judicial independence | 1.9 | 140 | 6.06 | No. procedures to start a business* | 2 | 3 |
| 1.07 | Favoritism in decisions of government officials | 2.2 | 136 | 6.07 | No. days to start a business* | 10 | 48 |
| 1.08 | Wastefulness of government spending | 2.3 | 122 | 6.08 | Agricultural policy costs | 3.1 | 129 |
| 1.09 | Burden of government regulation | 3.1 | 92 | 6.09 | Prevalence of trade barriers | 3.9 | 106 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.5 | 136 | 6.10 | Trade tariffs, % duty* | 10.8 | 110 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.5 | 136 | 6.11 | Prevalence of foreign ownership | 3.6 | 127 |
| 1.12 | Transparency of government policymaking | 4.1 | 87 | 6.12 | Business impact of rules on FDI | 3.3 | 131 |
| 1.13 | Gov't services for improved business performance | 2.9 | 122 | 6.13 | Burden of customs procedures | 3.0 | 136 |
| 1.14 | Business costs of terrorism | 5.2 | 96 | 6.14 | Imports as a percentage of GDP* | 90.2 | 13 |
| 1.15 | Business costs of crime and violence | 4.7 | 82 | 6.15 | Degree of customer orientation | 4.1 | 112 |
| 1.16 | Organized crime | 4.5 | 105 | 6.16 | Buyer sophistication | 3.1 | 97 |
| 1.17 | Reliability of police services | 2.9 | 129 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 2.8 | 141 | 7.01 | Cooperation in labor-employer relations | 4.3 | 68 |
| 1.19 | Strength of auditing and reporting standards | 3.6 | 129 | 7.02 | Flexibility of wage determination | 5.9 | 7 |
| 1.20 | Efficacy of corporate boards | 4.2 | 102 | 7.03 | Hiring and firing practices | 4.8 | 19 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 137 | 7.04 | Redundancy costs, weeks of salary* | 17 | 81 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.7 | 13 | 7.05 | Pay and productivity | 4.7 | 17 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 128 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 103 | 7.07 | Brain drain | 2.0 | 139 |
| 2.02 | Quality of roads | 2.5 | 133 | 7.08 | Women in labor force, ratio to men* | 0.72 | 93 |
| 2.03 | Quality of railroad infrastructure | 2.3 | 79 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 1.5 | 144 | 8.01 | Availability of financial services | 3.2 | 136 |
| 2.05 | Quality of air transport infrastructure | 2.9 | 135 | 8.02 | Affordability of financial services | 2.9 | 137 |
| 2.06 | Available airline seat kms/week, millions* | 50.1 | 94 | 8.03 | Financing through local equity market | 2.0 | 139 |
| 2.07 | Quality of electricity supply | 2.9 | 119 | 8.04 | Ease of access to loans | 1.7 | 137 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 104.8 | 76 | 8.05 | Venture capital availability | 1.8 | 133 |
| 2.09 | Fixed telephone lines/100 pop.* | 8.9 | 96 | 8.06 | Soundness of banks | 3.9 | 131 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.7 | 134 | |
| 3.01 | Government budget balance, % GDP* | -4.8 | 107 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 21.3 | 65 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 16.6 | 136 | 9.01 | Availability of latest technologies | 3.6 | 136 |
| 3.04 | General government debt, % GDP* | 52.4 | 99 | 9.02 | Firm-level technology absorption | 3.7 | 136 |
| 3.05 | Country credit rating, 0-100 (best)* | 24.5 | 115 | 9.03 | FDI and technology transfer | 3.3 | 143 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 20.0 | 97 | |
| 4.01 | Business impact of malaria | 6.1 | 80 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3 | 111 |
| 4.02 | Malaria cases/100,000 pop.* | 0.1 | 73 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.6 | 135 |
| 4.03 | Business impact of tuberculosis | 4.8 | 97 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.1 | 86 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 159.0 | 108 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 60 | 10.01 | Domestic market size index, 1-7 (best)* | 2.4 | 118 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 3.2 | 115 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 32.8 | 103 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 69.4 | 97 | 11.01 | Local supplier quantity | 4.2 | 109 |
| 4.09 | Quality of primary education | 3.0 | 111 | 11.02 | Local supplier quality | 4.0 | 107 |
| 4.10 | Primary education enrollment, net %* | 87.5 | 107 | 11.03 | State of cluster development | 2.3 | 142 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.5 | 135 | |
| 5.01 | Secondary education enrollment, gross %* | 84.0 | 83 | 11.05 | Value chain breadth | 2.5 | 137 |
| 5.02 | Tertiary education enrollment, gross %* | 48.8 | 53 | 11.06 | Control of international distribution | 3.6 | 113 |
| 5.03 | Quality of the educational system | 2.8 | 123 | 11.07 | Production process sophistication | 2.5 | 133 |
| 5.04 | Quality of math and science education | 3.1 | 114 | 11.08 | Extent of marketing | 3.8 | 91 |
| 5.05 | Quality of management schools | 2.7 | 141 | 11.09 | Willingness to delegate authority | 3.0 | 125 |
| 5.06 | Internet access in schools | 3.1 | 114 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.1 | 130 | 12.01 | Capacity for innovation | 2.1 | 140 |
| 5.08 | Extent of staff training | 3.1 | 128 | 12.02 | Quality of scientific research institutions | 2.1 | 140 |
| | | | | 12.03 | Company spending on R&D | 1.9 | 141 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.0 | 141 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.4 | 138 |
| | | | | 12.06 | Availability of scientists and engineers | 3.0 | 135 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 102 |

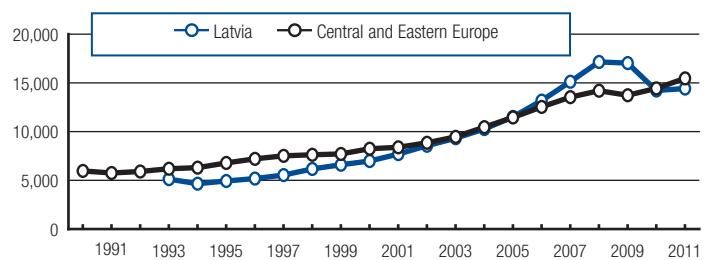
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Latvia

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 2.3 |
| GDP (US\$ billions)..... | 28.3 |
| GDP per capita (US\$)..... | 12,671 |
| GDP (PPP) as share (%) of world total..... | 0.04 |

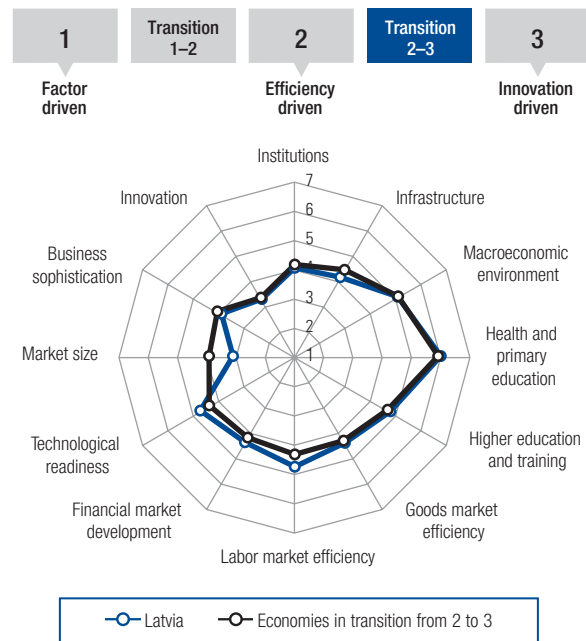
GDP (PPP) per capita (int'l \$), 1990–2011



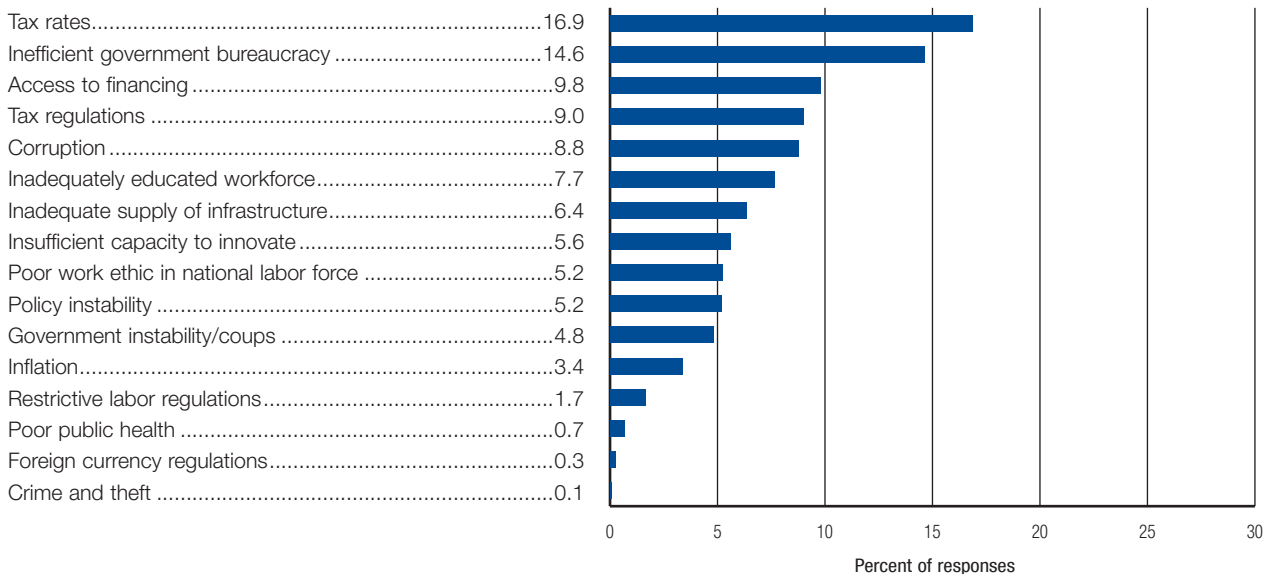
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 55 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 64 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 70 | 4.1 |
| Basic requirements (30.8%) | 54 | 4.8 |
| Institutions..... | 59 | 4.0 |
| Infrastructure..... | 64 | 4.1 |
| Macroeconomic environment..... | 46 | 5.1 |
| Health and primary education..... | 45 | 6.0 |
| Efficiency enhancers (50.0%) | 48 | 4.4 |
| Higher education and training..... | 42 | 4.8 |
| Goods market efficiency..... | 47 | 4.4 |
| Labor market efficiency..... | 27 | 4.8 |
| Financial market development..... | 52 | 4.4 |
| Technological readiness..... | 38 | 4.7 |
| Market size..... | 91 | 3.1 |
| Innovation and sophistication factors (19.2%) | 68 | 3.6 |
| Business sophistication..... | 71 | 3.9 |
| Innovation..... | 64 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.2 | 70 | 6.01 | Intensity of local competition | 4.9 | 69 |
| 1.02 | Intellectual property protection | 3.8 | 57 | 6.02 | Extent of market dominance | 4.0 | 51 |
| 1.03 | Diversion of public funds | 3.3 | 68 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 70 |
| 1.04 | Public trust in politicians | 2.5 | 84 | 6.04 | Extent and effect of taxation | 3.1 | 107 |
| 1.05 | Irregular payments and bribes | 4.3 | 58 | 6.05 | Total tax rate, % profits* | 37.9 | 70 |
| 1.06 | Judicial independence | 4.0 | 61 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 3.1 | 63 | 6.07 | No. days to start a business* | 16 | 74 |
| 1.08 | Wastefulness of government spending | 3.0 | 88 | 6.08 | Agricultural policy costs | 3.8 | 78 |
| 1.09 | Burden of government regulation | 3.4 | 67 | 6.09 | Prevalence of trade barriers | 4.7 | 36 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.2 | 106 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 92 | 6.11 | Prevalence of foreign ownership | 4.9 | 60 |
| 1.12 | Transparency of government policymaking | 4.2 | 74 | 6.12 | Business impact of rules on FDI | 4.3 | 97 |
| 1.13 | Gov't services for improved business performance | 3.3 | 94 | 6.13 | Burden of customs procedures | 4.1 | 67 |
| 1.14 | Business costs of terrorism | 6.0 | 41 | 6.14 | Imports as a percentage of GDP* | 65.5 | 38 |
| 1.15 | Business costs of crime and violence | 5.3 | 46 | 6.15 | Degree of customer orientation | 4.6 | 67 |
| 1.16 | Organized crime | 5.7 | 49 | 6.16 | Buyer sophistication | 3.3 | 83 |
| 1.17 | Reliability of police services | 4.3 | 65 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 65 | 7.01 | Cooperation in labor-employer relations | 4.4 | 60 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 61 | 7.02 | Flexibility of wage determination | 5.3 | 48 |
| 1.20 | Efficacy of corporate boards | 4.4 | 86 | 7.03 | Hiring and firing practices | 4.2 | 55 |
| 1.21 | Protection of minority shareholders' interests | 4.1 | 77 | 7.04 | Redundancy costs, weeks of salary* | 10 | 35 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 4.5 | 26 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 60 | |
| 2.01 | Quality of overall infrastructure | 4.6 | 57 | 7.07 | Brain drain | 3.1 | 95 |
| 2.02 | Quality of roads | 3.2 | 99 | 7.08 | Women in labor force, ratio to men* | 0.93 | 16 |
| 2.03 | Quality of railroad infrastructure | 4.0 | 33 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.8 | 50 | 8.01 | Availability of financial services | 4.7 | 65 |
| 2.05 | Quality of air transport infrastructure | 5.3 | 47 | 8.02 | Affordability of financial services | 4.4 | 58 |
| 2.06 | Available airline seat kms/week, millions* | 70.8 | 86 | 8.03 | Financing through local equity market | 3.0 | 103 |
| 2.07 | Quality of electricity supply | 5.0 | 65 | 8.04 | Ease of access to loans | 2.8 | 72 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 102.9 | 81 | 8.05 | Venture capital availability | 2.9 | 43 |
| 2.09 | Fixed telephone lines/100 pop.* | 23.0 | 52 | 8.06 | Soundness of banks | 4.5 | 106 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 64 | |
| 3.01 | Government budget balance, % GDP* | -3.4 | 77 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 25.0 | 44 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.2 | 62 | 9.01 | Availability of latest technologies | 5.1 | 64 |
| 3.04 | General government debt, % GDP* | 37.8 | 65 | 9.02 | Firm-level technology absorption | 4.5 | 90 |
| 3.05 | Country credit rating, 0-100 (best)* | 53.3 | 62 | 9.03 | FDI and technology transfer | 4.3 | 96 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 71.7 | 32 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 20.4 | 35 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 44.8 | 35 |
| 4.03 | Business impact of tuberculosis | 5.4 | 64 | 9.07 | Mobile broadband subscriptions/100 pop.* | 37.6 | 29 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 39.0 | 63 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.6 | 48 | 10.01 | Domestic market size index, 1-7 (best)* | 2.8 | 93 |
| 4.06 | HIV prevalence, % adult pop.* | 0.7 | 95 | 10.02 | Foreign market size index, 1-7 (best)* | 3.9 | 81 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 8.1 | 48 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.5 | 70 | 11.01 | Local supplier quantity | 4.2 | 112 |
| 4.09 | Quality of primary education | 4.4 | 46 | 11.02 | Local supplier quality | 4.7 | 58 |
| 4.10 | Primary education enrollment, net %* | 95.1 | 54 | 11.03 | State of cluster development | 3.2 | 99 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.8 | 48 | |
| 5.01 | Secondary education enrollment, gross %* | 95.2 | 51 | 11.05 | Value chain breadth | 3.6 | 69 |
| 5.02 | Tertiary education enrollment, gross %* | 60.1 | 34 | 11.06 | Control of international distribution | 3.9 | 85 |
| 5.03 | Quality of the educational system | 3.6 | 74 | 11.07 | Production process sophistication | 3.7 | 66 |
| 5.04 | Quality of math and science education | 4.3 | 48 | 11.08 | Extent of marketing | 4.0 | 72 |
| 5.05 | Quality of management schools | 4.2 | 67 | 11.09 | Willingness to delegate authority | 3.7 | 73 |
| 5.06 | Internet access in schools | 5.4 | 32 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.1 | 69 | 12.01 | Capacity for innovation | 3.4 | 49 |
| 5.08 | Extent of staff training | 4.1 | 53 | 12.02 | Quality of scientific research institutions | 3.8 | 58 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 67 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 59 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 85 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 110 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 12.5 | 30 |

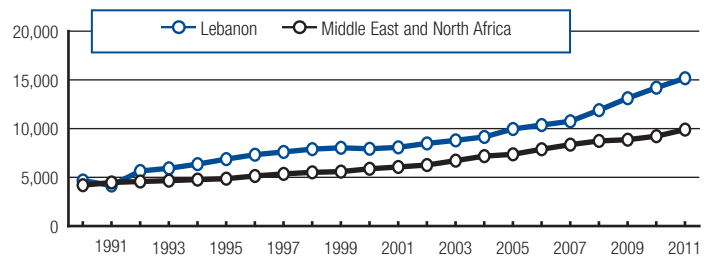
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Lebanon

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 4.3 |
| GDP (US\$ billions)..... | 39.0 |
| GDP per capita (US\$)..... | 9,862 |
| GDP (PPP) as share (%) of world total..... | 0.08 |

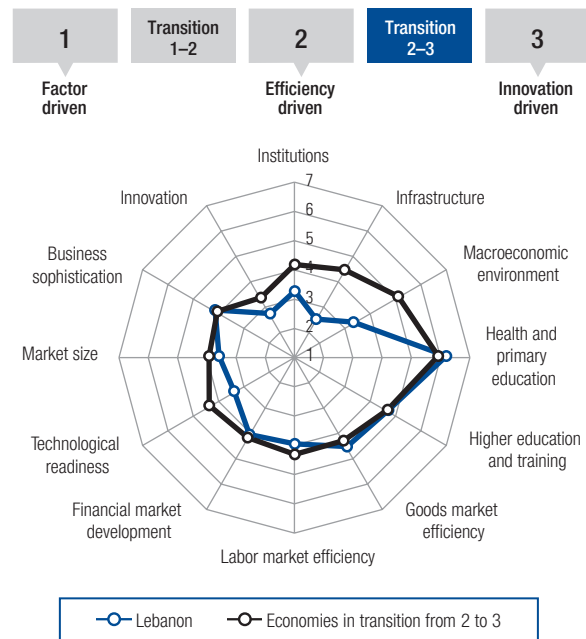
GDP (PPP) per capita (int'l \$), 1990–2011



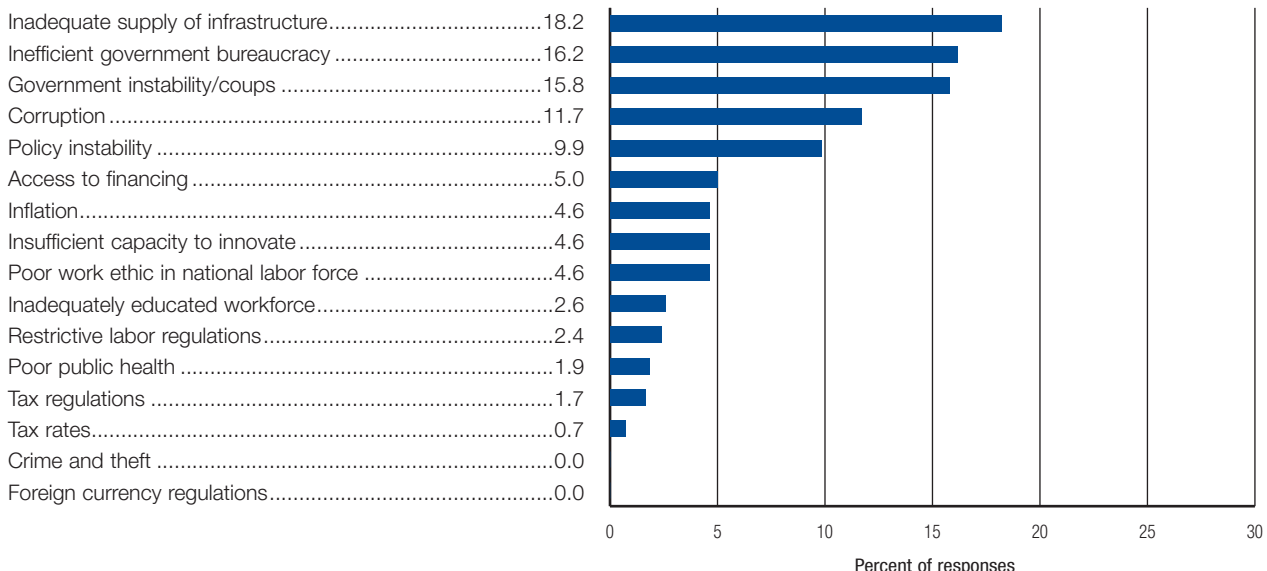
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 91 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 89 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 92 | 3.9 |
| Basic requirements (37.8%) | 116 | 3.8 |
| Institutions..... | 125 | 3.2 |
| Infrastructure..... | 127 | 2.5 |
| Macroeconomic environment..... | 135 | 3.3 |
| Health and primary education..... | 32 | 6.2 |
| Efficiency enhancers (50.0%) | 66 | 4.1 |
| Higher education and training..... | 48 | 4.7 |
| Goods market efficiency..... | 36 | 4.6 |
| Labor market efficiency..... | 105 | 4.0 |
| Financial market development..... | 66 | 4.1 |
| Technological readiness..... | 93 | 3.4 |
| Market size..... | 69 | 3.6 |
| Innovation and sophistication factors (12.2%) | 81 | 3.4 |
| Business sophistication..... | 58 | 4.1 |
| Innovation..... | 119 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 68 | 6.01 | Intensity of local competition | 5.4 | 35 |
| 1.02 | Intellectual property protection | 2.6 | 124 | 6.02 | Extent of market dominance | 4.1 | 44 |
| 1.03 | Diversion of public funds | 2.5 | 123 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 105 |
| 1.04 | Public trust in politicians | 1.5 | 142 | 6.04 | Extent and effect of taxation | 4.2 | 24 |
| 1.05 | Irregular payments and bribes | 2.7 | 132 | 6.05 | Total tax rate, % profits* | 30.2 | 36 |
| 1.06 | Judicial independence | 2.4 | 131 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.0 | 141 | 6.07 | No. days to start a business* | 9 | 43 |
| 1.08 | Wastefulness of government spending | 2.3 | 127 | 6.08 | Agricultural policy costs | 3.4 | 113 |
| 1.09 | Burden of government regulation | 3.0 | 103 | 6.09 | Prevalence of trade barriers | 4.0 | 96 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.1 | 114 | 6.10 | Trade tariffs, % duty* | 6.3 | 77 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.7 | 126 | 6.11 | Prevalence of foreign ownership | 3.9 | 122 |
| 1.12 | Transparency of government policymaking | 3.8 | 107 | 6.12 | Business impact of rules on FDI | 4.4 | 92 |
| 1.13 | Gov't services for improved business performance | 2.1 | 137 | 6.13 | Burden of customs procedures | 3.4 | 112 |
| 1.14 | Business costs of terrorism | 4.0 | 135 | 6.14 | Imports as a percentage of GDP* | 85.4 | 17 |
| 1.15 | Business costs of crime and violence | 4.8 | 72 | 6.15 | Degree of customer orientation | 4.9 | 42 |
| 1.16 | Organized crime | 5.3 | 67 | 6.16 | Buyer sophistication | 4.1 | 35 |
| 1.17 | Reliability of police services | 3.5 | 107 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.2 | 127 | 7.01 | Cooperation in labor-employer relations | 4.2 | 81 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 76 | 7.02 | Flexibility of wage determination | 5.2 | 54 |
| 1.20 | Efficacy of corporate boards | 4.0 | 120 | 7.03 | Hiring and firing practices | 4.1 | 56 |
| 1.21 | Protection of minority shareholders' interests | 4.0 | 84 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.1 | 56 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 93 | |
| 2.01 | Quality of overall infrastructure | 2.4 | 141 | 7.07 | Brain drain | 2.5 | 120 |
| 2.02 | Quality of roads | 2.8 | 115 | 7.08 | Women in labor force, ratio to men* | 0.33 | 138 |
| 2.03 | Quality of railroad infrastructure | 1.0 | 124 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.1 | 71 | 8.01 | Availability of financial services | 5.0 | 49 |
| 2.05 | Quality of air transport infrastructure | 5.1 | 51 | 8.02 | Affordability of financial services | 4.7 | 37 |
| 2.06 | Available airline seat kms/week, millions* | 158.2 | 70 | 8.03 | Financing through local equity market | 2.7 | 110 |
| 2.07 | Quality of electricity supply | 1.2 | 144 | 8.04 | Ease of access to loans | 3.2 | 42 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 78.6 | 110 | 8.05 | Venture capital availability | 2.7 | 63 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.1 | 59 | 8.06 | Soundness of banks | 6.2 | 12 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 83 | |
| 3.01 | Government budget balance, % GDP* | -5.6 | 117 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 16.3 | 90 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.0 | 75 | 9.01 | Availability of latest technologies | 4.9 | 76 |
| 3.04 | General government debt, % GDP* | 136.2 | 141 | 9.02 | Firm-level technology absorption | 4.8 | 70 |
| 3.05 | Country credit rating, 0-100 (best)* | 32.5 | 100 | 9.03 | FDI and technology transfer | 3.9 | 117 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 52.0 | 52 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 5.2 | 74 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.3 | 123 |
| 4.03 | Business impact of tuberculosis | 6.0 | 37 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 126 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 17.0 | 38 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.6 | 49 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4 | 71 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.2 | 71 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 18.8 | 83 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 72.4 | 87 | 11.01 | Local supplier quantity | 5.3 | 24 |
| 4.09 | Quality of primary education | 5.8 | 7 | 11.02 | Local supplier quality | 4.7 | 59 |
| 4.10 | Primary education enrollment, net %* | 91.7 | 86 | 11.03 | State of cluster development | 3.1 | 109 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.2 | 32 | |
| 5.01 | Secondary education enrollment, gross %* | 81.4 | 89 | 11.05 | Value chain breadth | 4.3 | 31 |
| 5.02 | Tertiary education enrollment, gross %* | 54.0 | 48 | 11.06 | Control of international distribution | 4.9 | 18 |
| 5.03 | Quality of the educational system | 5.3 | 10 | 11.07 | Production process sophistication | 3.4 | 94 |
| 5.04 | Quality of math and science education | 5.9 | 4 | 11.08 | Extent of marketing | 4.5 | 39 |
| 5.05 | Quality of management schools | 5.4 | 13 | 11.09 | Willingness to delegate authority | 3.0 | 128 |
| 5.06 | Internet access in schools | 3.5 | 97 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 56 | 12.01 | Capacity for innovation | 2.6 | 114 |
| 5.08 | Extent of staff training | 3.6 | 102 | 12.02 | Quality of scientific research institutions | 2.5 | 129 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 122 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 95 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.3 | 141 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 37 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.1 | 67 |

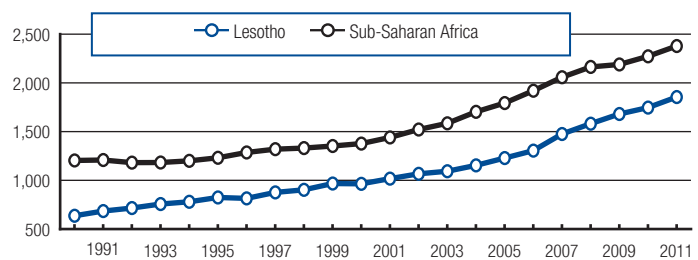
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Lesotho

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.2 |
| GDP (US\$ billions)..... | 2.5 |
| GDP per capita (US\$)..... | 1,264 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

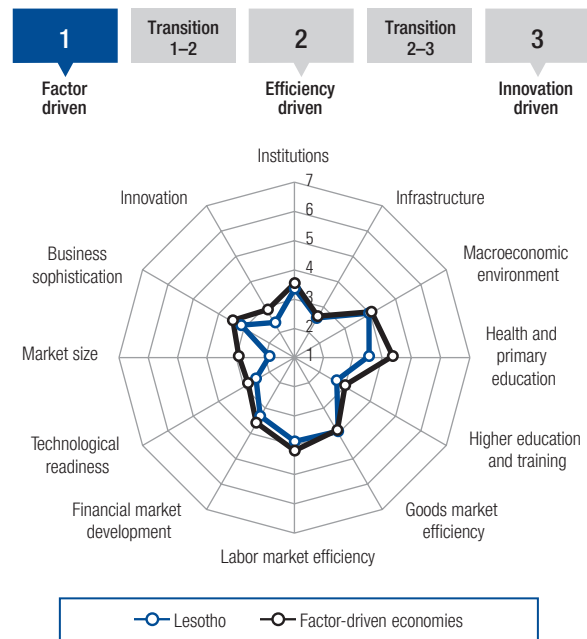
GDP (PPP) per capita (int'l \$), 1990–2011



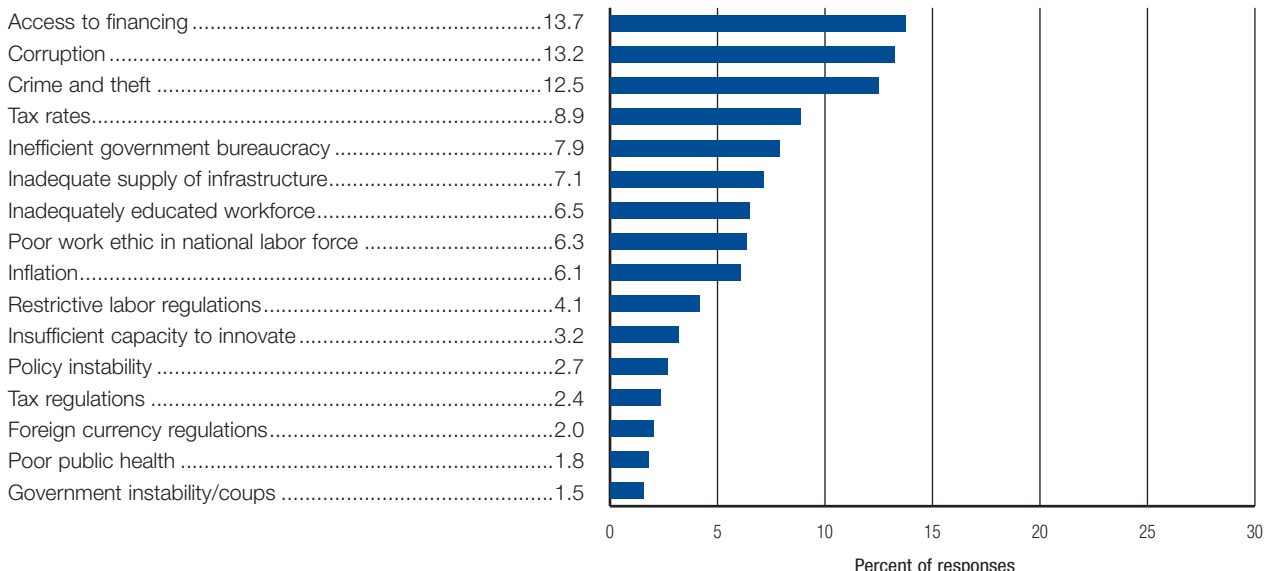
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 137 | 3.2 |
| GCI 2011–2012 (out of 142)..... | 135 | 3.3 |
| GCI 2010–2011 (out of 139)..... | 128 | 3.4 |
| Basic requirements (60.0%) | 136 | 3.3 |
| Institutions..... | 121 | 3.3 |
| Infrastructure..... | 126 | 2.5 |
| Macroeconomic environment..... | 113 | 3.9 |
| Health and primary education..... | 136 | 3.5 |
| Efficiency enhancers (35.0%) | 137 | 3.0 |
| Higher education and training..... | 135 | 2.7 |
| Goods market efficiency..... | 102 | 4.0 |
| Labor market efficiency..... | 116 | 3.9 |
| Financial market development..... | 122 | 3.4 |
| Technological readiness..... | 136 | 2.5 |
| Market size..... | 136 | 1.9 |
| Innovation and sophistication factors (5.0%) | 137 | 2.7 |
| Business sophistication..... | 135 | 3.1 |
| Innovation..... | 138 | 2.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.3 | 125 | 6.01 | Intensity of local competition | 4.1 | 118 |
| 1.02 | Intellectual property protection | 3.0 | 104 | 6.02 | Extent of market dominance | 3.1 | 123 |
| 1.03 | Diversion of public funds | 3.0 | 83 | 6.03 | Effectiveness of anti-monopoly policy | 3.3 | 125 |
| 1.04 | Public trust in politicians | 2.4 | 94 | 6.04 | Extent and effect of taxation | 3.3 | 89 |
| 1.05 | Irregular payments and bribes | 3.5 | 95 | 6.05 | Total tax rate, % profits* | 16.0 | 10 |
| 1.06 | Judicial independence | 3.0 | 100 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 118 | 6.07 | No. days to start a business* | 40 | 120 |
| 1.08 | Wastefulness of government spending | 2.9 | 98 | 6.08 | Agricultural policy costs | 2.9 | 138 |
| 1.09 | Burden of government regulation | 3.0 | 100 | 6.09 | Prevalence of trade barriers | 3.6 | 129 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 99 | 6.10 | Trade tariffs, % duty* | 6.7 | 80 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 111 | 6.11 | Prevalence of foreign ownership | 4.9 | 59 |
| 1.12 | Transparency of government policymaking | 3.3 | 135 | 6.12 | Business impact of rules on FDI | 4.4 | 93 |
| 1.13 | Gov't services for improved business performance | 3.0 | 111 | 6.13 | Burden of customs procedures | 3.4 | 110 |
| 1.14 | Business costs of terrorism | 5.6 | 67 | 6.14 | Imports as a percentage of GDP* | 124.7 | 3 |
| 1.15 | Business costs of crime and violence | 3.8 | 114 | 6.15 | Degree of customer orientation | 3.8 | 130 |
| 1.16 | Organized crime | 4.9 | 89 | 6.16 | Buyer sophistication | 3.0 | 110 |
| 1.17 | Reliability of police services | 3.5 | 109 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 133 | 7.01 | Cooperation in labor-employer relations | 3.8 | 121 |
| 1.19 | Strength of auditing and reporting standards | 3.8 | 121 | 7.02 | Flexibility of wage determination | 4.4 | 112 |
| 1.20 | Efficacy of corporate boards | 4.2 | 106 | 7.03 | Hiring and firing practices | 3.6 | 96 |
| 1.21 | Protection of minority shareholders' interests | 3.5 | 121 | 7.04 | Redundancy costs, weeks of salary* | 15 | 70 |
| 1.22 | Strength of investor protection, 0–10 (best)* | 3.7 | 120 | 7.05 | Pay and productivity | 2.8 | 137 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 96 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 104 | 7.07 | Brain drain | 2.1 | 134 |
| 2.02 | Quality of roads | 2.9 | 111 | 7.08 | Women in labor force, ratio to men* | 0.81 | 69 |
| 2.03 | Quality of railroad infrastructure | 1.6 | 110 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.4 | 114 | 8.01 | Availability of financial services | 3.4 | 131 |
| 2.05 | Quality of air transport infrastructure | 2.5 | 142 | 8.02 | Affordability of financial services | 3.1 | 134 |
| 2.06 | Available airline seat kms/week, millions* | 0.2 | 144 | 8.03 | Financing through local equity market | 2.1 | 135 |
| 2.07 | Quality of electricity supply | 3.7 | 101 | 8.04 | Ease of access to loans | 2.3 | 108 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 47.9 | 131 | 8.05 | Venture capital availability | 1.9 | 131 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.6 | 122 | 8.06 | Soundness of banks | 4.9 | 88 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.0 | 129 | |
| 3.01 | Government budget balance, % GDP* | -10.5 | 144 | 8.08 | Legal rights index, 0–10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 20.3 | 72 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.6 | 84 | 9.01 | Availability of latest technologies | 3.9 | 126 |
| 3.04 | General government debt, % GDP* | 39.6 | 71 | 9.02 | Firm-level technology absorption | 4.0 | 127 |
| 3.05 | Country credit rating, 0–100 (best)* | 33.2 | 97 | 9.03 | FDI and technology transfer | 3.6 | 133 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 4.2 | 130 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 135 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.4 | 120 |
| 4.03 | Business impact of tuberculosis | 3.0 | 140 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.7 | 103 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 633.0 | 140 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.8 | 140 | 10.01 | Domestic market size index, 1–7 (best)* | 1.7 | 136 |
| 4.06 | HIV prevalence, % adult pop.* | 23.6 | 142 | 10.02 | Foreign market size index, 1–7 (best)* | 2.3 | 137 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 64.6 | 127 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 47.4 | 144 | 11.01 | Local supplier quantity | 3.4 | 141 |
| 4.09 | Quality of primary education | 3.1 | 107 | 11.02 | Local supplier quality | 3.4 | 140 |
| 4.10 | Primary education enrollment, net %* | 73.4 | 133 | 11.03 | State of cluster development | 3.0 | 120 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 93 | |
| 5.01 | Secondary education enrollment, gross %* | 46.4 | 117 | 11.05 | Value chain breadth | 2.8 | 126 |
| 5.02 | Tertiary education enrollment, gross %* | 3.5 | 133 | 11.06 | Control of international distribution | 3.0 | 140 |
| 5.03 | Quality of the educational system | 3.2 | 102 | 11.07 | Production process sophistication | 2.8 | 124 |
| 5.04 | Quality of math and science education | 3.0 | 119 | 11.08 | Extent of marketing | 2.8 | 131 |
| 5.05 | Quality of management schools | 2.8 | 134 | 11.09 | Willingness to delegate authority | 3.3 | 98 |
| 5.06 | Internet access in schools | 2.4 | 129 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.8 | 135 | 12.01 | Capacity for innovation | 2.5 | 119 |
| 5.08 | Extent of staff training | 3.3 | 117 | 12.02 | Quality of scientific research institutions | 2.2 | 138 |
| | | | | 12.03 | Company spending on R&D | 2.5 | 126 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.5 | 132 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.6 | 133 |
| | | | | 12.06 | Availability of scientists and engineers | 2.6 | 142 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 87 |

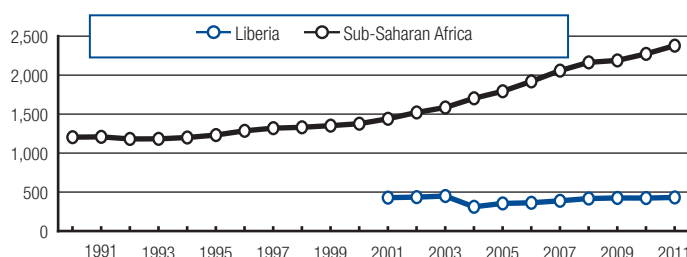
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Liberia

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 4.1 |
| GDP (US\$ billions)..... | 1.2 |
| GDP per capita (US\$)..... | 298 |
| GDP (PPP) as share (%) of world total..... | 0.00 |

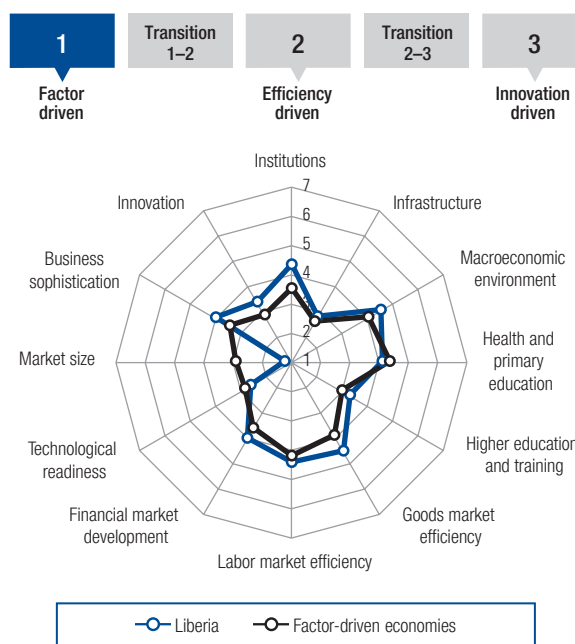
GDP (PPP) per capita (int'l \$), 1990–2011



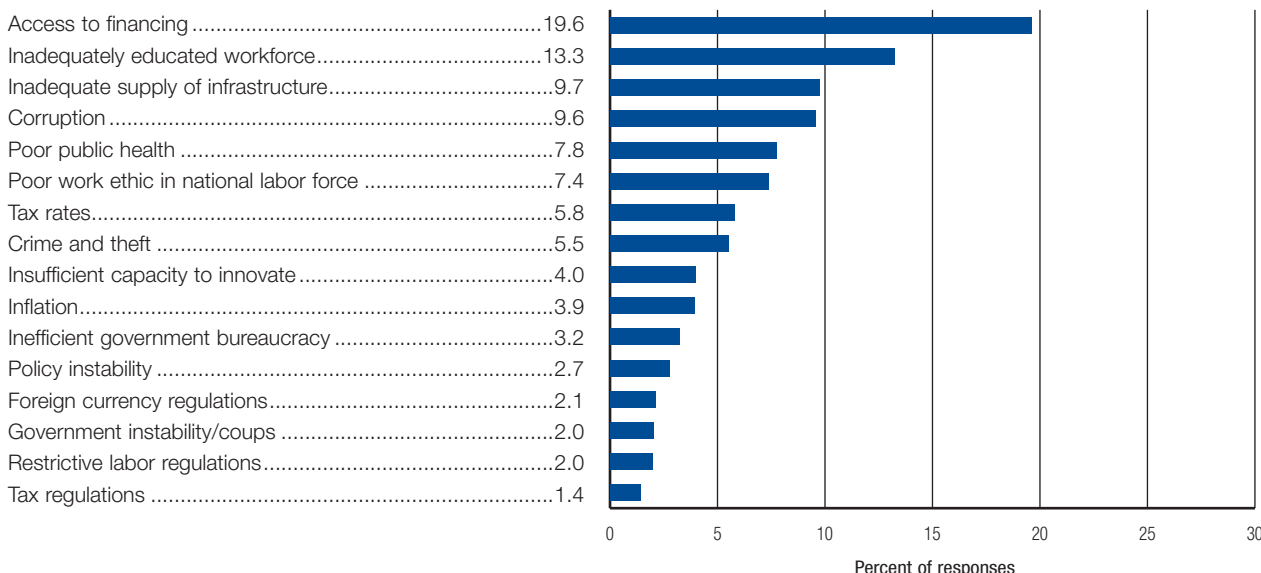
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 111 | 3.7 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (60.0%) | 109 | 3.9 |
| Institutions..... | 45 | 4.3 |
| Infrastructure..... | 115 | 2.8 |
| Macroeconomic environment..... | 82 | 4.5 |
| Health and primary education..... | 130 | 4.1 |
| Efficiency enhancers (35.0%) | 121 | 3.4 |
| Higher education and training..... | 114 | 3.3 |
| Goods market efficiency..... | 40 | 4.5 |
| Labor market efficiency..... | 61 | 4.4 |
| Financial market development..... | 74 | 4.0 |
| Technological readiness..... | 132 | 2.6 |
| Market size..... | 144 | 1.2 |
| Innovation and sophistication factors (5.0%) | 59 | 3.7 |
| Business sophistication..... | 62 | 4.0 |
| Innovation..... | 54 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.4 | 62 | 6.01 | Intensity of local competition | 4.6 | 87 |
| 1.02 | Intellectual property protection | 4.6 | 37 | 6.02 | Extent of market dominance | 4.2 | 40 |
| 1.03 | Diversion of public funds | 4.4 | 38 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 67 |
| 1.04 | Public trust in politicians | 4.1 | 25 | 6.04 | Extent and effect of taxation | 4.0 | 33 |
| 1.05 | Irregular payments and bribes | 4.0 | 66 | 6.05 | Total tax rate, % profits* | 43.7 | 90 |
| 1.06 | Judicial independence | 4.2 | 52 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 4.0 | 30 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 4.3 | 22 | 6.08 | Agricultural policy costs | 4.1 | 50 |
| 1.09 | Burden of government regulation | 4.3 | 15 | 6.09 | Prevalence of trade barriers | 4.6 | 49 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.2 | 42 | 6.10 | Trade tariffs, % duty* | n/a | n/a |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2 | 38 | 6.11 | Prevalence of foreign ownership | 4.4 | 87 |
| 1.12 | Transparency of government policymaking | 4.5 | 50 | 6.12 | Business impact of rules on FDI | 4.1 | 106 |
| 1.13 | Gov't services for improved business performance | 3.8 | 59 | 6.13 | Burden of customs procedures | 4.5 | 43 |
| 1.14 | Business costs of terrorism | 5.3 | 89 | 6.14 | Imports as a percentage of GDP* | 95.4 | 11 |
| 1.15 | Business costs of crime and violence | 4.5 | 92 | 6.15 | Degree of customer orientation | 4.5 | 75 |
| 1.16 | Organized crime | 4.9 | 91 | 6.16 | Buyer sophistication | 3.9 | 38 |
| 1.17 | Reliability of police services | 4.0 | 79 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.4 | 44 | 7.01 | Cooperation in labor-employer relations | 4.2 | 85 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 78 | 7.02 | Flexibility of wage determination | 4.7 | 100 |
| 1.20 | Efficacy of corporate boards | 4.4 | 74 | 7.03 | Hiring and firing practices | 4.0 | 66 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 64 | 7.04 | Redundancy costs, weeks of salary* | 26 | 110 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.7 | 120 | 7.05 | Pay and productivity | 4.2 | 48 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 65 | |
| 2.01 | Quality of overall infrastructure | 4.2 | 75 | 7.07 | Brain drain | 3.8 | 49 |
| 2.02 | Quality of roads | 3.8 | 76 | 7.08 | Women in labor force, ratio to men* | 0.92 | 23 |
| 2.03 | Quality of railroad infrastructure | 2.9 | 59 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.1 | 72 | 8.01 | Availability of financial services | 4.0 | 96 |
| 2.05 | Quality of air transport infrastructure | 4.0 | 98 | 8.02 | Affordability of financial services | 3.9 | 86 |
| 2.06 | Available airline seat kms/week, millions* | 5.8 | 139 | 8.03 | Financing through local equity market | 3.0 | 98 |
| 2.07 | Quality of electricity supply | 3.0 | 114 | 8.04 | Ease of access to loans | 3.5 | 31 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 49.2 | 129 | 8.05 | Venture capital availability | 3.4 | 25 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.1 | 144 | 8.06 | Soundness of banks | 5.2 | 70 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.1 | 126 | |
| 3.01 | Government budget balance, % GDP* | -3.4 | 76 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | n/a | n/a | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.5 | 114 | 9.01 | Availability of latest technologies | 4.0 | 124 |
| 3.04 | General government debt, % GDP* | 13.9 | 18 | 9.02 | Firm-level technology absorption | 4.5 | 89 |
| 3.05 | Country credit rating, 0-100 (best)* | 16.3 | 137 | 9.03 | FDI and technology transfer | 3.8 | 124 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 3.0 | 134 | |
| 4.01 | Business impact of malaria | 3.9 | 122 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 141 |
| 4.02 | Malaria cases/100,000 pop.* | 29,414.2 | 136 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.6 | 136 |
| 4.03 | Business impact of tuberculosis | 4.4 | 110 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.2 | 123 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 293.0 | 129 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 75 | 10.01 | Domestic market size index, 1-7 (best)* | 1.1 | 142 |
| 4.06 | HIV prevalence, % adult pop.* | 1.5 | 117 | 10.02 | Foreign market size index, 1-7 (best)* | 1.6 | 141 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 73.6 | 133 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 56.1 | 124 | 11.01 | Local supplier quantity | 4.2 | 108 |
| 4.09 | Quality of primary education | 3.6 | 75 | 11.02 | Local supplier quality | 4.4 | 74 |
| 4.10 | Primary education enrollment, net %* | 75.2 | 130 | 11.03 | State of cluster development | 4.0 | 49 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.9 | 40 | |
| 5.01 | Secondary education enrollment, gross %* | 34.8 | 130 | 11.05 | Value chain breadth | 3.8 | 59 |
| 5.02 | Tertiary education enrollment, gross %* | 19.1 | 91 | 11.06 | Control of international distribution | 4.0 | 70 |
| 5.03 | Quality of the educational system | 4.0 | 56 | 11.07 | Production process sophistication | 3.8 | 59 |
| 5.04 | Quality of math and science education | 3.7 | 87 | 11.08 | Extent of marketing | 3.7 | 97 |
| 5.05 | Quality of management schools | 4.2 | 69 | 11.09 | Willingness to delegate authority | 3.9 | 52 |
| 5.06 | Internet access in schools | 3.2 | 108 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.0 | 79 | 12.01 | Capacity for innovation | 3.6 | 36 |
| 5.08 | Extent of staff training | 4.0 | 64 | 12.02 | Quality of scientific research institutions | 3.5 | 80 |
| | | | | 12.03 | Company spending on R&D | 3.5 | 40 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 74 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.1 | 27 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 97 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

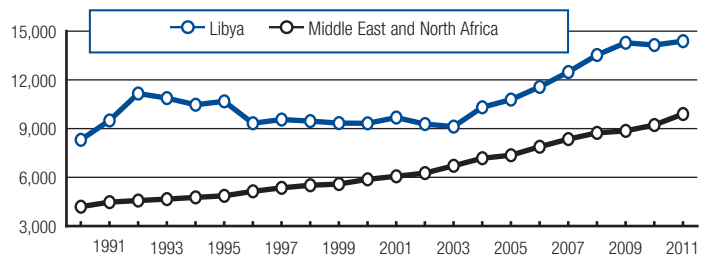
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Libya

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 6.5 |
| GDP (US\$ billions)..... | 36.9 |
| GDP per capita (US\$)..... | 5,691 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

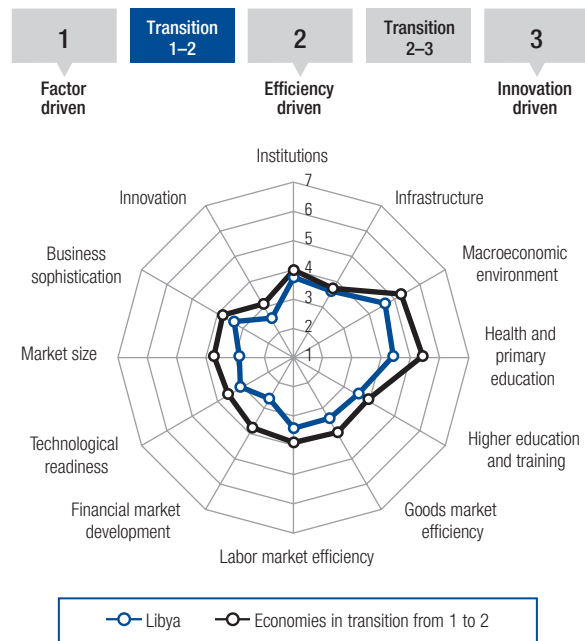
GDP (PPP) per capita (int'l \$), 1990–2011



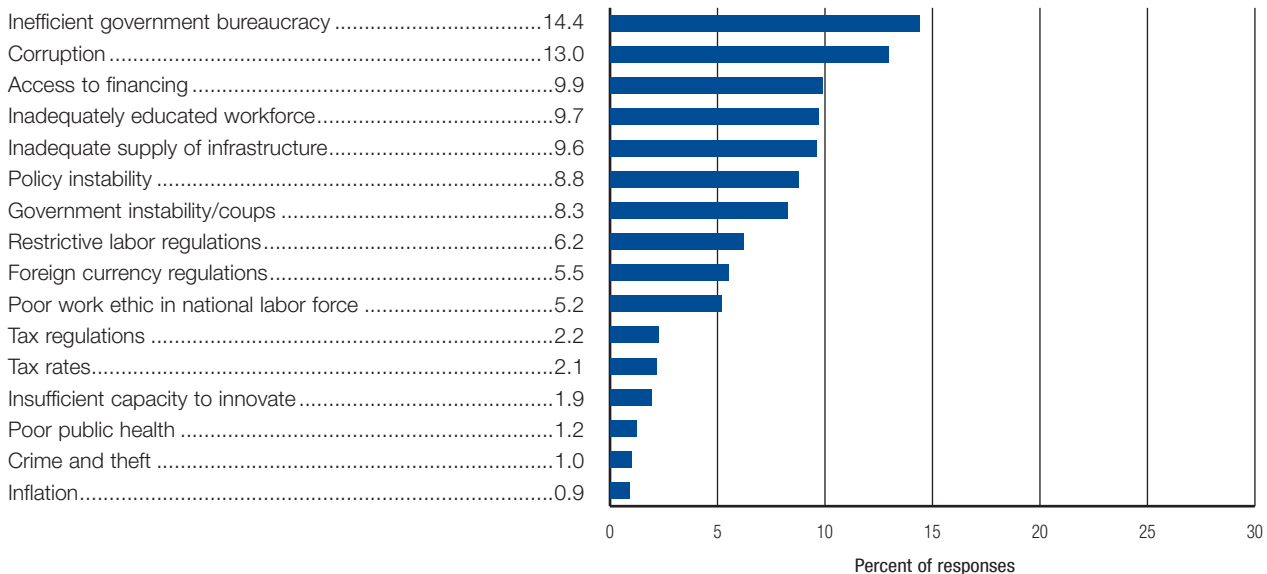
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 113 | 3.7 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | 100 | 3.7 |
| Basic requirements (57.9%) | 102 | 4.1 |
| Institutions..... | 81 | 3.7 |
| Infrastructure..... | 88 | 3.6 |
| Macroeconomic environment..... | 73 | 4.6 |
| Health and primary education..... | 121 | 4.4 |
| Efficiency enhancers (36.6%) | 131 | 3.2 |
| Higher education and training..... | 103 | 3.6 |
| Goods market efficiency..... | 137 | 3.5 |
| Labor market efficiency..... | 137 | 3.5 |
| Financial market development..... | 140 | 2.7 |
| Technological readiness..... | 110 | 3.1 |
| Market size..... | 102 | 2.9 |
| Innovation and sophistication factors (5.5%) | 127 | 2.9 |
| Business sophistication..... | 116 | 3.4 |
| Innovation..... | 129 | 2.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.7 | 101 | 6.01 | Intensity of local competition | 4.1 | 115 |
| 1.02 | Intellectual property protection | 2.9 | 111 | 6.02 | Extent of market dominance | 3.2 | 119 |
| 1.03 | Diversion of public funds | 2.9 | 90 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 117 |
| 1.04 | Public trust in politicians | 3.5 | 39 | 6.04 | Extent and effect of taxation | 3.8 | 47 |
| 1.05 | Irregular payments and bribes | 3.8 | 75 | 6.05 | Total tax rate, % profits* | n/a | n/a |
| 1.06 | Judicial independence | 3.4 | 84 | 6.06 | No. procedures to start a business* | n/a | n/a |
| 1.07 | Favoritism in decisions of government officials | 3.4 | 50 | 6.07 | No. days to start a business* | n/a | n/a |
| 1.08 | Wastefulness of government spending | 3.2 | 72 | 6.08 | Agricultural policy costs | 3.1 | 127 |
| 1.09 | Burden of government regulation | 3.4 | 61 | 6.09 | Prevalence of trade barriers | 3.8 | 116 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.2 | 103 | 6.10 | Trade tariffs, % duty* | n/a | n/a |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 88 | 6.11 | Prevalence of foreign ownership | 2.8 | 142 |
| 1.12 | Transparency of government policymaking | 4.0 | 92 | 6.12 | Business impact of rules on FDI | 3.8 | 119 |
| 1.13 | Gov't services for improved business performance | 3.0 | 116 | 6.13 | Burden of customs procedures | 3.3 | 118 |
| 1.14 | Business costs of terrorism | 5.4 | 86 | 6.14 | Imports as a percentage of GDP* | 19.6 | 139 |
| 1.15 | Business costs of crime and violence | 5.6 | 31 | 6.15 | Degree of customer orientation | 3.8 | 123 |
| 1.16 | Organized crime | 6.0 | 34 | 6.16 | Buyer sophistication | 3.0 | 105 |
| 1.17 | Reliability of police services | 3.3 | 114 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.7 | 85 | 7.01 | Cooperation in labor-employer relations | 4.1 | 97 |
| 1.19 | Strength of auditing and reporting standards | 3.3 | 136 | 7.02 | Flexibility of wage determination | 4.4 | 113 |
| 1.20 | Efficacy of corporate boards | 3.7 | 140 | 7.03 | Hiring and firing practices | 4.0 | 67 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 139 | 7.04 | Redundancy costs, weeks of salary* | n/a | n/a |
| 1.22 | Strength of investor protection, 0-10 (best)* | n/a | n/a | 7.05 | Pay and productivity | 3.3 | 118 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 123 | |
| 2.01 | Quality of overall infrastructure | 2.9 | 128 | 7.07 | Brain drain | 2.4 | 125 |
| 2.02 | Quality of roads | 3.1 | 102 | 7.08 | Women in labor force, ratio to men* | 0.40 | 132 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.5 | 112 | 8.01 | Availability of financial services | 2.8 | 140 |
| 2.05 | Quality of air transport infrastructure | 3.3 | 129 | 8.02 | Affordability of financial services | 2.5 | 143 |
| 2.06 | Available airline seat kms/week, millions* | 44.8 | 101 | 8.03 | Financing through local equity market | 2.1 | 133 |
| 2.07 | Quality of electricity supply | 4.3 | 85 | 8.04 | Ease of access to loans | 2.4 | 101 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 155.7 | 10 | 8.05 | Venture capital availability | 2.3 | 93 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.6 | 79 | 8.06 | Soundness of banks | 3.4 | 139 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.4 | 136 | |
| 3.01 | Government budget balance, % GDP* | 6.2 | 11 | 8.08 | Legal rights index, 0-10 (best)* | n/a | n/a |
| 3.02 | Gross national savings, % GDP* | 18.1 | 82 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 14.1 | 134 | 9.01 | Availability of latest technologies | 3.9 | 125 |
| 3.04 | General government debt, % GDP* | 0.0 | 1 | 9.02 | Firm-level technology absorption | 4.3 | 108 |
| 3.05 | Country credit rating, 0-100 (best)* | 31.6 | 101 | 9.03 | FDI and technology transfer | 3.6 | 136 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 17.0 | 103 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.1 | 100 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 11.0 | 82 |
| 4.03 | Business impact of tuberculosis | 4.9 | 89 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.6 | 104 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 40.0 | 64 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 72 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 111 |
| 4.06 | HIV prevalence, % adult pop.* | <0.2 | 50 | 10.02 | Foreign market size index, 1-7 (best)* | 4.0 | 79 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 13.4 | 63 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.8 | 53 | 11.01 | Local supplier quantity | 4.8 | 63 |
| 4.09 | Quality of primary education | 2.2 | 134 | 11.02 | Local supplier quality | 3.6 | 130 |
| 4.10 | Primary education enrollment, net %* | n/a | n/a | 11.03 | State of cluster development | 2.8 | 132 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.6 | 132 | |
| 5.01 | Secondary education enrollment, gross %* | 110.3 | 11 | 11.05 | Value chain breadth | 2.6 | 136 |
| 5.02 | Tertiary education enrollment, gross %* | 54.4 | 46 | 11.06 | Control of international distribution | 3.9 | 84 |
| 5.03 | Quality of the educational system | 2.0 | 142 | 11.07 | Production process sophistication | 3.1 | 116 |
| 5.04 | Quality of math and science education | 2.4 | 135 | 11.08 | Extent of marketing | 3.0 | 124 |
| 5.05 | Quality of management schools | 2.3 | 144 | 11.09 | Willingness to delegate authority | 3.7 | 74 |
| 5.06 | Internet access in schools | 2.2 | 134 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.4 | 143 | 12.01 | Capacity for innovation | 2.5 | 123 |
| 5.08 | Extent of staff training | 2.9 | 140 | 12.02 | Quality of scientific research institutions | 2.7 | 122 |
| | | | | 12.03 | Company spending on R&D | 2.2 | 138 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.5 | 133 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.0 | 118 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 118 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.5 | 75 |

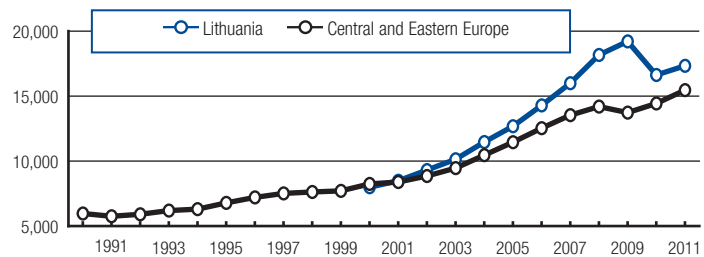
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Lithuania

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 3.4 |
| GDP (US\$ billions)..... | 42.7 |
| GDP per capita (US\$)..... | 13,075 |
| GDP (PPP) as share (%) of world total..... | 0.08 |

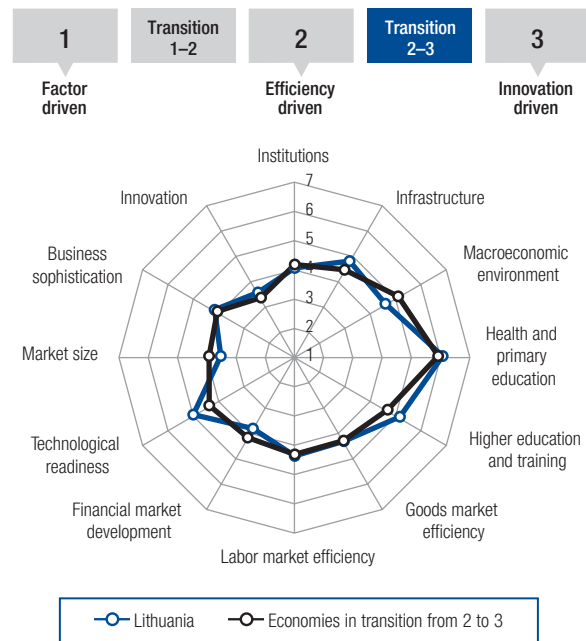
GDP (PPP) per capita (int'l \$), 1990–2011



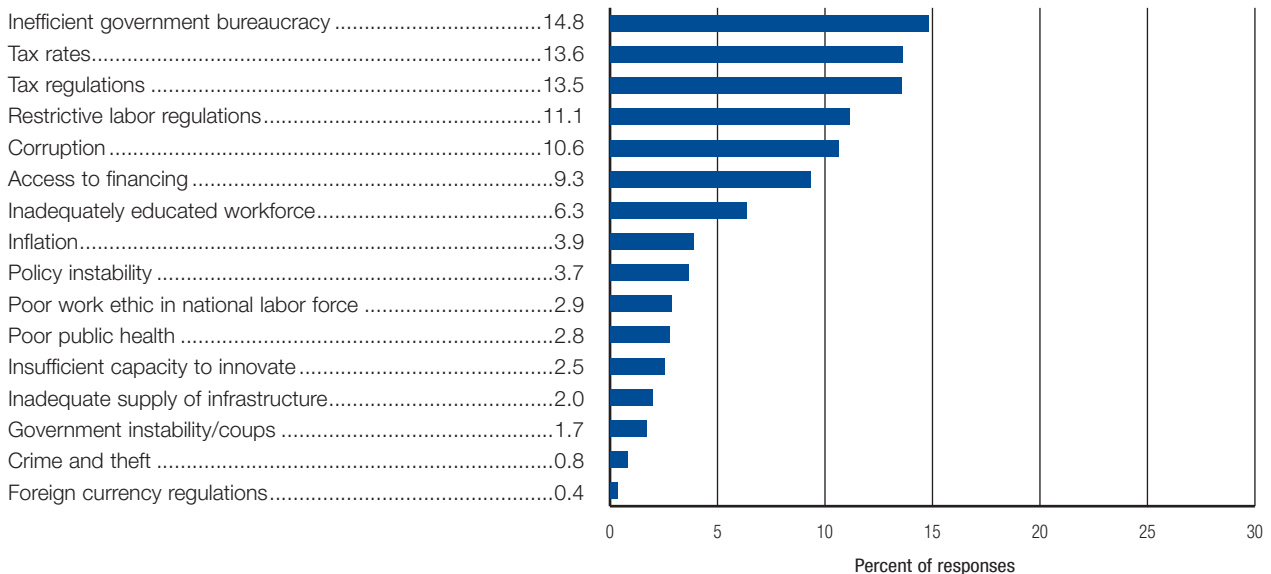
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 45 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 44 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 47 | 4.4 |
| Basic requirements (29.8%) | 49 | 4.8 |
| Institutions..... | 60 | 4.0 |
| Infrastructure..... | 40 | 4.7 |
| Macroeconomic environment..... | 75 | 4.6 |
| Health and primary education..... | 39 | 6.1 |
| Efficiency enhancers (50.0%) | 46 | 4.4 |
| Higher education and training..... | 26 | 5.1 |
| Goods market efficiency..... | 56 | 4.4 |
| Labor market efficiency..... | 65 | 4.4 |
| Financial market development..... | 87 | 3.9 |
| Technological readiness..... | 33 | 5.0 |
| Market size..... | 74 | 3.5 |
| Innovation and sophistication factors (20.2%) | 47 | 3.8 |
| Business sophistication..... | 56 | 4.2 |
| Innovation..... | 43 | 3.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 67 | 6.01 | Intensity of local competition | 5.1 | 48 |
| 1.02 | Intellectual property protection | 3.7 | 66 | 6.02 | Extent of market dominance | 3.4 | 95 |
| 1.03 | Diversion of public funds | 3.0 | 79 | 6.03 | Effectiveness of anti-monopoly policy | 3.7 | 97 |
| 1.04 | Public trust in politicians | 2.1 | 113 | 6.04 | Extent and effect of taxation | 2.8 | 125 |
| 1.05 | Irregular payments and bribes | 4.5 | 48 | 6.05 | Total tax rate, % profits* | 43.9 | 91 |
| 1.06 | Judicial independence | 3.5 | 82 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.1 | 61 | 6.07 | No. days to start a business* | 22 | 88 |
| 1.08 | Wastefulness of government spending | 3.0 | 90 | 6.08 | Agricultural policy costs | 3.9 | 69 |
| 1.09 | Burden of government regulation | 2.9 | 111 | 6.09 | Prevalence of trade barriers | 4.7 | 37 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 90 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 45 | 6.11 | Prevalence of foreign ownership | 4.4 | 89 |
| 1.12 | Transparency of government policymaking | 4.6 | 48 | 6.12 | Business impact of rules on FDI | 3.9 | 116 |
| 1.13 | Gov't services for improved business performance | 3.7 | 66 | 6.13 | Burden of customs procedures | 4.5 | 44 |
| 1.14 | Business costs of terrorism | 6.3 | 22 | 6.14 | Imports as a percentage of GDP* | 81.9 | 22 |
| 1.15 | Business costs of crime and violence | 5.3 | 49 | 6.15 | Degree of customer orientation | 5.2 | 29 |
| 1.16 | Organized crime | 5.7 | 51 | 6.16 | Buyer sophistication | 3.0 | 109 |
| 1.17 | Reliability of police services | 4.3 | 66 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 62 | 7.01 | Cooperation in labor-employer relations | 4.3 | 70 |
| 1.19 | Strength of auditing and reporting standards | 5.0 | 47 | 7.02 | Flexibility of wage determination | 5.9 | 8 |
| 1.20 | Efficacy of corporate boards | 4.9 | 34 | 7.03 | Hiring and firing practices | 3.3 | 118 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 93 | 7.04 | Redundancy costs, weeks of salary* | 25 | 109 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 4.6 | 23 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 55 | |
| 2.01 | Quality of overall infrastructure | 5.1 | 42 | 7.07 | Brain drain | 2.7 | 117 |
| 2.02 | Quality of roads | 5.2 | 32 | 7.08 | Women in labor force, ratio to men* | 0.95 | 9 |
| 2.03 | Quality of railroad infrastructure | 4.7 | 20 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 35 | 8.01 | Availability of financial services | 4.5 | 74 |
| 2.05 | Quality of air transport infrastructure | 4.2 | 86 | 8.02 | Affordability of financial services | 4.1 | 73 |
| 2.06 | Available airline seat kms/week, millions* | 48.7 | 97 | 8.03 | Financing through local equity market | 3.2 | 82 |
| 2.07 | Quality of electricity supply | 5.6 | 41 | 8.04 | Ease of access to loans | 2.3 | 106 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 151.3 | 13 | 8.05 | Venture capital availability | 2.4 | 86 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.9 | 56 | 8.06 | Soundness of banks | 4.8 | 90 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5 | 50 | |
| 3.01 | Government budget balance, % GDP* | -5.2 | 112 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 17.1 | 86 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.1 | 61 | 9.01 | Availability of latest technologies | 5.7 | 37 |
| 3.04 | General government debt, % GDP* | 39.0 | 69 | 9.02 | Firm-level technology absorption | 5.0 | 53 |
| 3.05 | Country credit rating, 0-100 (best)* | 57.0 | 56 | 9.03 | FDI and technology transfer | 5.1 | 26 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 65.1 | 39 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 22.1 | 31 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 57.6 | 28 |
| 4.03 | Business impact of tuberculosis | 5.6 | 58 | 9.07 | Mobile broadband subscriptions/100 pop.* | 17.2 | 53 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 69.0 | 81 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 24 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 76 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.4 | 67 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.4 | 35 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.3 | 76 | 11.01 | Local supplier quantity | 4.9 | 54 |
| 4.09 | Quality of primary education | 4.9 | 25 | 11.02 | Local supplier quality | 4.9 | 46 |
| 4.10 | Primary education enrollment, net %* | 92.8 | 76 | 11.03 | State of cluster development | 3.0 | 115 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 52 | |
| 5.01 | Secondary education enrollment, gross %* | 98.7 | 39 | 11.05 | Value chain breadth | 4.1 | 40 |
| 5.02 | Tertiary education enrollment, gross %* | 74.0 | 16 | 11.06 | Control of international distribution | 4.4 | 32 |
| 5.03 | Quality of the educational system | 4.0 | 54 | 11.07 | Production process sophistication | 4.0 | 50 |
| 5.04 | Quality of math and science education | 5.2 | 16 | 11.08 | Extent of marketing | 4.5 | 43 |
| 5.05 | Quality of management schools | 4.3 | 57 | 11.09 | Willingness to delegate authority | 3.8 | 62 |
| 5.06 | Internet access in schools | 5.8 | 23 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 48 | 12.01 | Capacity for innovation | 3.4 | 47 |
| 5.08 | Extent of staff training | 4.0 | 66 | 12.02 | Quality of scientific research institutions | 4.7 | 32 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 64 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.5 | 29 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 96 |
| | | | | 12.06 | Availability of scientists and engineers | 4.2 | 59 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 6.2 | 39 |

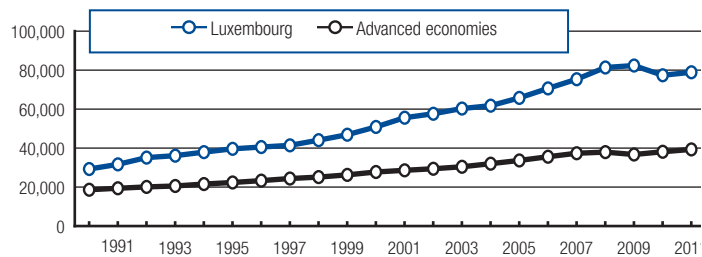
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Luxembourg

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 0.5 |
| GDP (US\$ billions)..... | 58.4 |
| GDP per capita (US\$)..... | 113,533 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

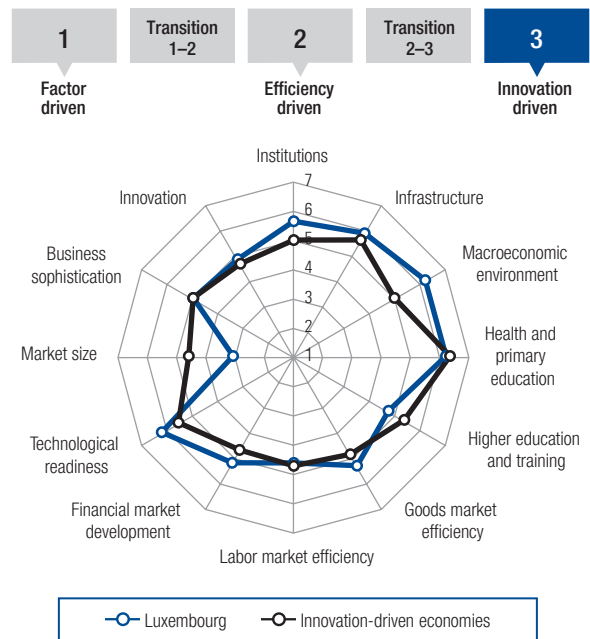
GDP (PPP) per capita (int'l \$), 1990–2011



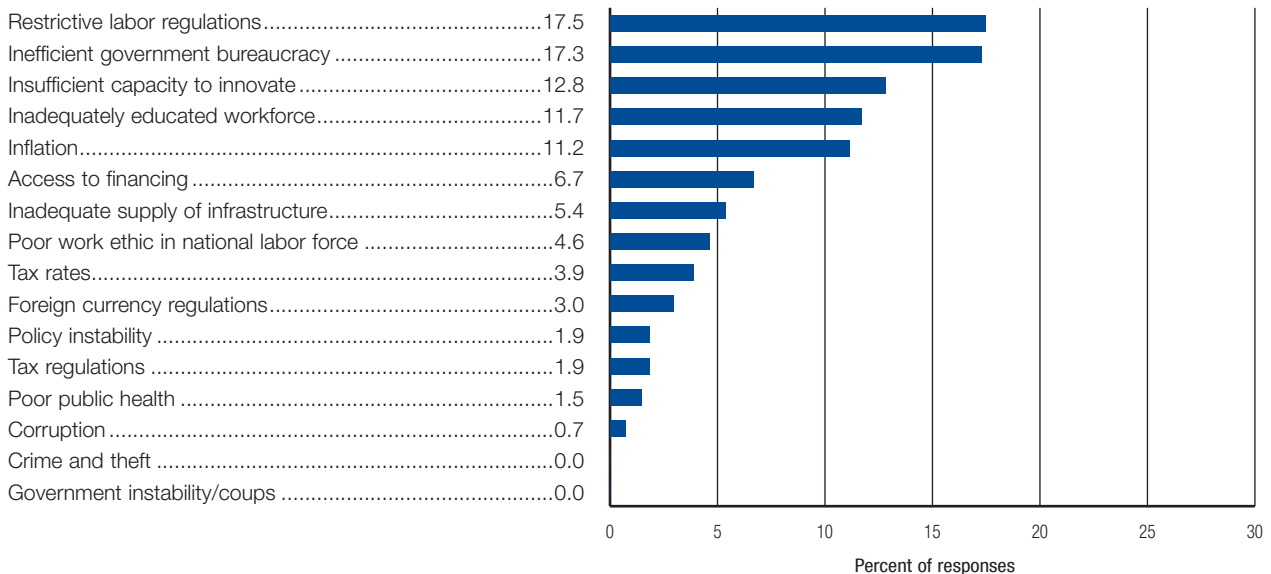
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 22 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 23 | 5.0 |
| GCI 2010–2011 (out of 139)..... | 20 | 5.0 |
| Basic requirements (20.0%) | 8 | 6.0 |
| Institutions..... | 9 | 5.6 |
| Infrastructure..... | 12 | 5.8 |
| Macroeconomic environment..... | 12 | 6.2 |
| Health and primary education..... | 28 | 6.2 |
| Efficiency enhancers (50.0%) | 24 | 4.9 |
| Higher education and training..... | 44 | 4.7 |
| Goods market efficiency..... | 4 | 5.3 |
| Labor market efficiency..... | 37 | 4.7 |
| Financial market development..... | 12 | 5.2 |
| Technological readiness..... | 2 | 6.2 |
| Market size..... | 92 | 3.1 |
| Innovation and sophistication factors (30.0%) | 19 | 4.9 |
| Business sophistication..... | 23 | 5.0 |
| Innovation..... | 18 | 4.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Luxembourg

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.2 | 4 | 6.01 | Intensity of local competition | 5.0 | 58 |
| 1.02 | Intellectual property protection | 5.9 | 7 | 6.02 | Extent of market dominance | 4.6 | 25 |
| 1.03 | Diversion of public funds | 6.0 | 7 | 6.03 | Effectiveness of anti-monopoly policy | 4.8 | 27 |
| 1.04 | Public trust in politicians | 5.4 | 9 | 6.04 | Extent and effect of taxation | 4.8 | 12 |
| 1.05 | Irregular payments and bribes | 6.4 | 7 | 6.05 | Total tax rate, % profits* | 20.8 | 14 |
| 1.06 | Judicial independence | 5.8 | 16 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 4.3 | 19 | 6.07 | No. days to start a business* | 19 | 80 |
| 1.08 | Wastefulness of government spending | 4.4 | 18 | 6.08 | Agricultural policy costs | 4.8 | 8 |
| 1.09 | Burden of government regulation | 3.8 | 37 | 6.09 | Prevalence of trade barriers | 5.6 | 7 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.2 | 12 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.3 | 8 | 6.11 | Prevalence of foreign ownership | 6.5 | 1 |
| 1.12 | Transparency of government policymaking | 5.5 | 10 | 6.12 | Business impact of rules on FDI | 5.7 | 6 |
| 1.13 | Gov't services for improved business performance | 4.5 | 16 | 6.13 | Burden of customs procedures | 5.5 | 8 |
| 1.14 | Business costs of terrorism | 6.2 | 27 | 6.14 | Imports as a percentage of GDP* | 118.5 | 4 |
| 1.15 | Business costs of crime and violence | 6.2 | 6 | 6.15 | Degree of customer orientation | 5.2 | 30 |
| 1.16 | Organized crime | 6.8 | 2 | 6.16 | Buyer sophistication | 5.0 | 3 |
| 1.17 | Reliability of police services | 5.9 | 21 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.1 | 10 | 7.01 | Cooperation in labor-employer relations | 5.1 | 23 |
| 1.19 | Strength of auditing and reporting standards | 5.8 | 15 | 7.02 | Flexibility of wage determination | 4.4 | 111 |
| 1.20 | Efficacy of corporate boards | 5.2 | 16 | 7.03 | Hiring and firing practices | 3.2 | 122 |
| 1.21 | Protection of minority shareholders' interests | 5.2 | 18 | 7.04 | Redundancy costs, weeks of salary* | 22 | 96 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 4.1 | 54 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.4 | 21 | |
| 2.01 | Quality of overall infrastructure | 6.2 | 12 | 7.07 | Brain drain | 4.9 | 15 |
| 2.02 | Quality of roads | 5.9 | 15 | 7.08 | Women in labor force, ratio to men* | 0.79 | 72 |
| 2.03 | Quality of railroad infrastructure | 5.2 | 14 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.5 | 23 | 8.01 | Availability of financial services | 6.2 | 8 |
| 2.05 | Quality of air transport infrastructure | 5.8 | 27 | 8.02 | Affordability of financial services | 5.9 | 3 |
| 2.06 | Available airline seat kms/week, millions* | 21.8 | 119 | 8.03 | Financing through local equity market | 4.4 | 29 |
| 2.07 | Quality of electricity supply | 6.6 | 15 | 8.04 | Ease of access to loans | 4.1 | 13 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 148.3 | 16 | 8.05 | Venture capital availability | 3.9 | 12 |
| 2.09 | Fixed telephone lines/100 pop.* | 54.1 | 9 | 8.06 | Soundness of banks | 6.1 | 18 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.9 | 4 | |
| 3.01 | Government budget balance, % GDP* | -0.7 | 33 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 28.0 | 31 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 41 | 9.01 | Availability of latest technologies | 6.4 | 10 |
| 3.04 | General government debt, % GDP* | 20.8 | 27 | 9.02 | Firm-level technology absorption | 5.6 | 24 |
| 3.05 | Country credit rating, 0-100 (best)* | 91.6 | 7 | 9.03 | FDI and technology transfer | 5.6 | 7 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 90.9 | 5 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 32.9 | 10 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 89.6 | 17 |
| 4.03 | Business impact of tuberculosis | 6.6 | 13 | 9.07 | Mobile broadband subscriptions/100 pop.* | 66.7 | 7 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 8.8 | 27 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.3 | 16 | 10.01 | Domestic market size index, 1-7 (best)* | 2.6 | 106 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 4.6 | 60 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.1 | 3 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.1 | 22 | 11.01 | Local supplier quantity | 4.5 | 89 |
| 4.09 | Quality of primary education | 4.6 | 35 | 11.02 | Local supplier quality | 5.1 | 29 |
| 4.10 | Primary education enrollment, net %* | 95.0 | 56 | 11.03 | State of cluster development | 4.5 | 25 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.6 | 13 | |
| 5.01 | Secondary education enrollment, gross %* | 97.6 | 41 | 11.05 | Value chain breadth | 4.9 | 20 |
| 5.02 | Tertiary education enrollment, gross %* | 10.5 | 110 | 11.06 | Control of international distribution | 4.3 | 45 |
| 5.03 | Quality of the educational system | 4.4 | 36 | 11.07 | Production process sophistication | 5.6 | 14 |
| 5.04 | Quality of math and science education | 4.3 | 46 | 11.08 | Extent of marketing | 5.4 | 17 |
| 5.05 | Quality of management schools | 4.3 | 60 | 11.09 | Willingness to delegate authority | 4.4 | 28 |
| 5.06 | Internet access in schools | 6.0 | 14 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.2 | 22 | 12.01 | Capacity for innovation | 4.6 | 16 |
| 5.08 | Extent of staff training | 5.3 | 4 | 12.02 | Quality of scientific research institutions | 4.8 | 30 |
| | | | | 12.03 | Company spending on R&D | 4.7 | 15 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.0 | 17 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.6 | 8 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 75 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 105.3 | 15 |

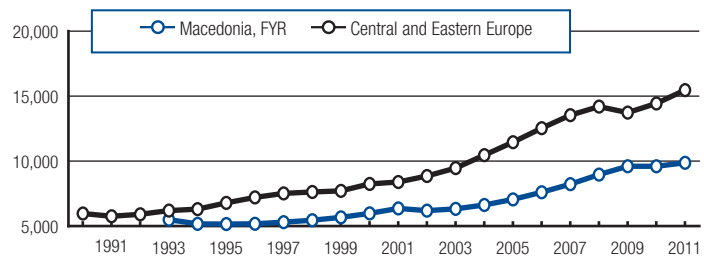
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Macedonia, FYR

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.1 |
| GDP (US\$ billions)..... | 10.3 |
| GDP per capita (US\$)..... | 5,016 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

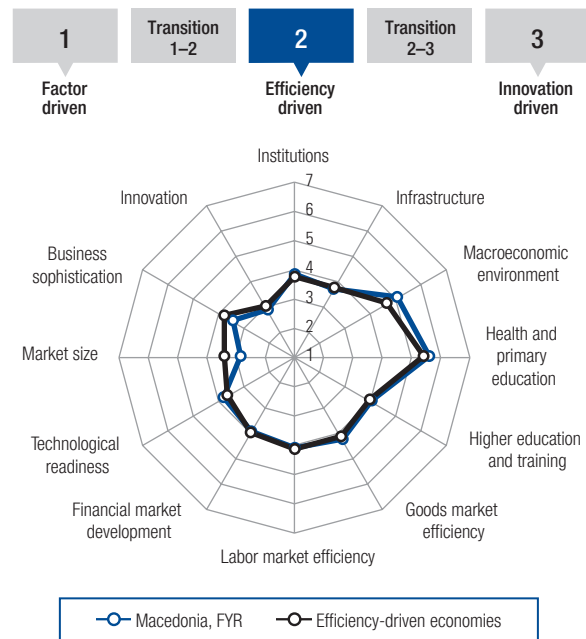
GDP (PPP) per capita (int'l \$), 1990–2011



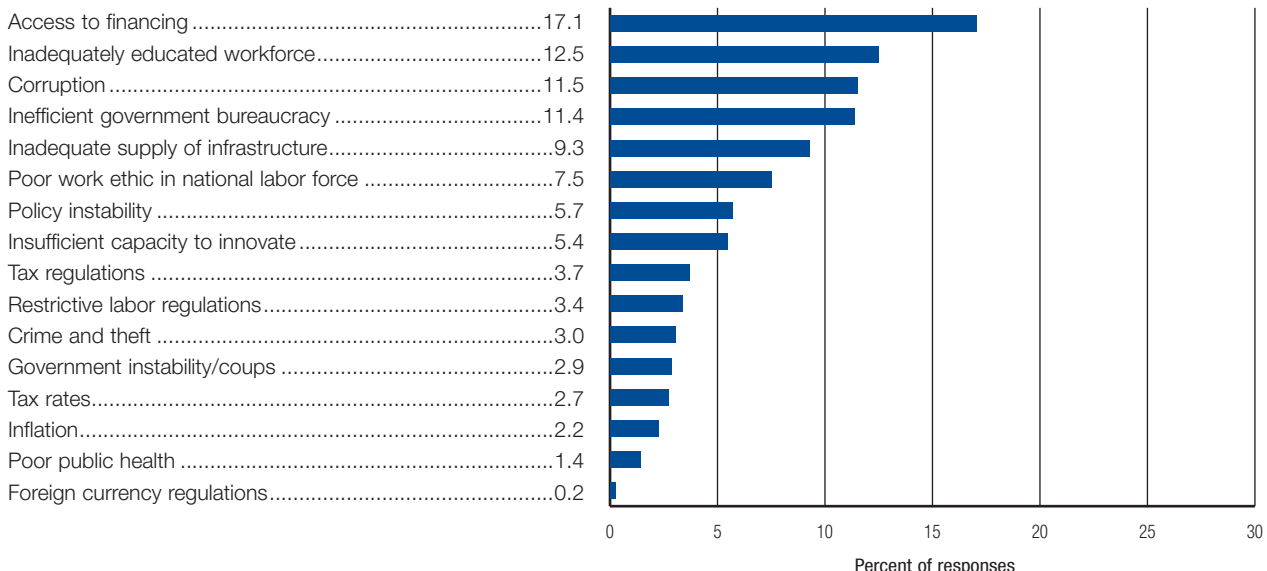
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 80 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 79 | 4.1 |
| GCI 2010–2011 (out of 139)..... | 79 | 4.0 |
| Basic requirements (40.0%) | 71 | 4.5 |
| Institutions..... | 78 | 3.8 |
| Infrastructure..... | 81 | 3.6 |
| Macroeconomic environment..... | 47 | 5.0 |
| Health and primary education..... | 77 | 5.6 |
| Efficiency enhancers (50.0%) | 84 | 3.8 |
| Higher education and training..... | 81 | 4.0 |
| Goods market efficiency..... | 68 | 4.3 |
| Labor market efficiency..... | 94 | 4.1 |
| Financial market development..... | 79 | 4.0 |
| Technological readiness..... | 71 | 3.8 |
| Market size..... | 104 | 2.8 |
| Innovation and sophistication factors (10.0%) | 110 | 3.1 |
| Business sophistication..... | 111 | 3.4 |
| Innovation..... | 110 | 2.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Macedonia, FYR

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|---------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 4.0 | 84 |
| 1.02 Intellectual property protection | 3.5 | 73 |
| 1.03 Diversion of public funds | 3.6 | 54 |
| 1.04 Public trust in politicians | 2.9 | 65 |
| 1.05 Irregular payments and bribes | 4.4 | 53 |
| 1.06 Judicial independence | 2.8 | 105 |
| 1.07 Favoritism in decisions of government officials | 3.0 | 77 |
| 1.08 Wastefulness of government spending | 3.4 | 61 |
| 1.09 Burden of government regulation | 3.5 | 54 |
| 1.10 Efficiency of legal framework in settling disputes | 3.2 | 108 |
| 1.11 Efficiency of legal framework in challenging regs. ... | 3.1 | 107 |
| 1.12 Transparency of government policymaking | 4.2 | 76 |
| 1.13 Gov't services for improved business performance | 3.9 | 55 |
| 1.14 Business costs of terrorism | 5.6 | 68 |
| 1.15 Business costs of crime and violence | 5.0 | 62 |
| 1.16 Organized crime | 4.5 | 107 |
| 1.17 Reliability of police services | 4.3 | 68 |
| 1.18 Ethical behavior of firms | 3.6 | 100 |
| 1.19 Strength of auditing and reporting standards | 4.4 | 83 |
| 1.20 Efficacy of corporate boards | 4.1 | 109 |
| 1.21 Protection of minority shareholders' interests | 3.5 | 123 |
| 1.22 Strength of investor protection, 0–10 (best)* | 7.0 | 17 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 3.7 | 91 |
| 2.02 Quality of roads | 3.0 | 108 |
| 2.03 Quality of railroad infrastructure | 1.9 | 93 |
| 2.04 Quality of port infrastructure | 4.2 | 67 |
| 2.05 Quality of air transport infrastructure | 3.6 | 111 |
| 2.06 Available airline seat kms/week, millions* | 6.9 | 136 |
| 2.07 Quality of electricity supply | 5.0 | 64 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 109.4 | 59 |
| 2.09 Fixed telephone lines/100 pop.* | 20.0 | 66 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | -2.6 | 62 |
| 3.02 Gross national savings, % GDP* | 22.7 | 58 |
| 3.03 Inflation, annual % change* | 3.9 | 54 |
| 3.04 General government debt, % GDP* | 28.1 | 37 |
| 3.05 Country credit rating, 0–100 (best)* | 40.5 | 77 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | n/appl. | 1 |
| 4.02 Malaria cases/100,000 pop.* | (NE) | 1 |
| 4.03 Business impact of tuberculosis | 5.4 | 69 |
| 4.04 Tuberculosis cases/100,000 pop.* | 21.0 | 46 |
| 4.05 Business impact of HIV/AIDS | 5.4 | 66 |
| 4.06 HIV prevalence, % adult pop.* | 0.0 | 1 |
| 4.07 Infant mortality, deaths/1,000 live births* | 10.4 | 55 |
| 4.08 Life expectancy, years* | 74.6 | 55 |
| 4.09 Quality of primary education | 3.6 | 76 |
| 4.10 Primary education enrollment, net %* | 88.0 | 104 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 83.7 | 84 |
| 5.02 Tertiary education enrollment, gross %* | 38.6 | 65 |
| 5.03 Quality of the educational system | 3.4 | 88 |
| 5.04 Quality of math and science education | 4.1 | 67 |
| 5.05 Quality of management schools | 3.7 | 106 |
| 5.06 Internet access in schools | 4.8 | 46 |
| 5.07 Availability of research and training services | 3.8 | 87 |
| 5.08 Extent of staff training | 3.1 | 126 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 4.1 | 119 |
| 6.02 Extent of market dominance | 3.4 | 97 |
| 6.03 Effectiveness of anti-monopoly policy | 3.7 | 96 |
| 6.04 Extent and effect of taxation | 4.1 | 26 |
| 6.05 Total tax rate, % profits* | 9.7 | 2 |
| 6.06 No. procedures to start a business* | 3 | 8 |
| 6.07 No. days to start a business* | 3 | 4 |
| 6.08 Agricultural policy costs | 4.2 | 43 |
| 6.09 Prevalence of trade barriers | 4.3 | 73 |
| 6.10 Trade tariffs, % duty* | 5.2 | 70 |
| 6.11 Prevalence of foreign ownership | 3.8 | 123 |
| 6.12 Business impact of rules on FDI | 4.3 | 99 |
| 6.13 Burden of customs procedures | 4.4 | 55 |
| 6.14 Imports as a percentage of GDP* | 77.3 | 29 |
| 6.15 Degree of customer orientation | 4.4 | 92 |
| 6.16 Buyer sophistication | 2.3 | 133 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 3.9 | 112 |
| 7.02 Flexibility of wage determination | 5.5 | 28 |
| 7.03 Hiring and firing practices | 4.3 | 43 |
| 7.04 Redundancy costs, weeks of salary* | 13 | 55 |
| 7.05 Pay and productivity | 3.8 | 75 |
| 7.06 Reliance on professional management | 3.4 | 133 |
| 7.07 Brain drain | 2.1 | 135 |
| 7.08 Women in labor force, ratio to men* | 0.65 | 106 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 3.8 | 107 |
| 8.02 Affordability of financial services | 3.5 | 116 |
| 8.03 Financing through local equity market | 3.1 | 91 |
| 8.04 Ease of access to loans | 2.8 | 70 |
| 8.05 Venture capital availability | 2.3 | 91 |
| 8.06 Soundness of banks | 5.2 | 67 |
| 8.07 Regulation of securities exchanges | 4.1 | 68 |
| 8.08 Legal rights index, 0–10 (best)* | 7 | 43 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 4.6 | 96 |
| 9.02 Firm-level technology absorption | 3.8 | 133 |
| 9.03 FDI and technology transfer | 4.1 | 107 |
| 9.04 Individuals using Internet, %* | 56.7 | 46 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 13.2 | 46 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 17.9 | 65 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 18.7 | 51 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1–7 (best)* | 2.6 | 102 |
| 10.02 Foreign market size index, 1–7 (best)* | 3.5 | 98 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 4.4 | 96 |
| 11.02 Local supplier quality | 4.0 | 104 |
| 11.03 State of cluster development | 3.4 | 91 |
| 11.04 Nature of competitive advantage | 2.6 | 133 |
| 11.05 Value chain breadth | 3.2 | 105 |
| 11.06 Control of international distribution | 3.7 | 101 |
| 11.07 Production process sophistication | 3.1 | 111 |
| 11.08 Extent of marketing | 3.7 | 101 |
| 11.09 Willingness to delegate authority | 3.0 | 129 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.8 | 99 |
| 12.02 Quality of scientific research institutions | 3.2 | 100 |
| 12.03 Company spending on R&D | 2.5 | 123 |
| 12.04 University-industry collaboration in R&D | 3.2 | 105 |
| 12.05 Gov't procurement of advanced tech products | 3.2 | 102 |
| 12.06 Availability of scientists and engineers | 3.5 | 106 |
| 12.07 PCT patents, applications/million pop.* | 1.5 | 59 |

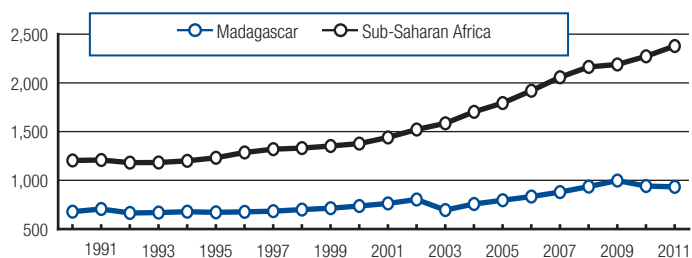
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Madagascar

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 21.4 |
| GDP (US\$ billions)..... | 10.0 |
| GDP per capita (US\$)..... | 459 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

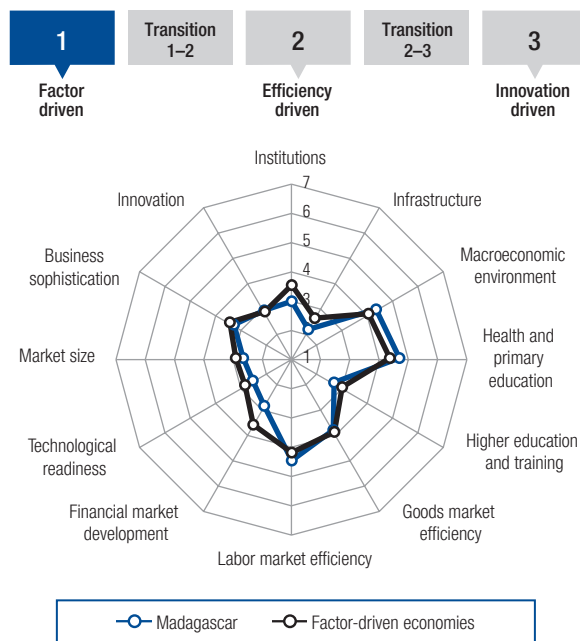
GDP (PPP) per capita (int'l \$), 1990–2011



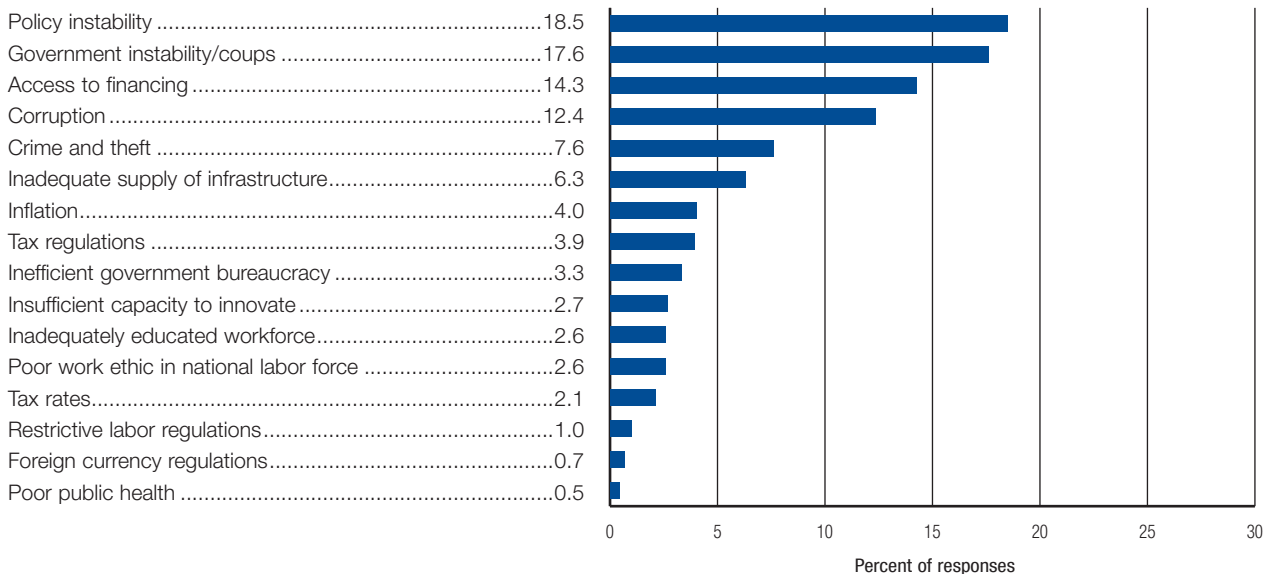
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 130 | 3.4 |
| GCI 2011–2012 (out of 142)..... | 130 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 124 | 3.5 |
| Basic requirements (60.0%) | 129 | 3.5 |
| Institutions..... | 136 | 2.9 |
| Infrastructure..... | 137 | 2.1 |
| Macroeconomic environment..... | 95 | 4.3 |
| Health and primary education..... | 110 | 4.7 |
| Efficiency enhancers (35.0%) | 132 | 3.2 |
| Higher education and training..... | 133 | 2.7 |
| Goods market efficiency..... | 115 | 3.8 |
| Labor market efficiency..... | 54 | 4.5 |
| Financial market development..... | 138 | 2.9 |
| Technological readiness..... | 135 | 2.5 |
| Market size..... | 113 | 2.7 |
| Innovation and sophistication factors (5.0%) | 115 | 3.1 |
| Business sophistication..... | 122 | 3.3 |
| Innovation..... | 106 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Madagascar

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.6 | 138 | 6.01 | Intensity of local competition | 4.4 | 100 |
| 1.02 | Intellectual property protection | 2.4 | 135 | 6.02 | Extent of market dominance | 3.3 | 103 |
| 1.03 | Diversion of public funds | 2.5 | 124 | 6.03 | Effectiveness of anti-monopoly policy | 3.3 | 127 |
| 1.04 | Public trust in politicians | 1.8 | 132 | 6.04 | Extent and effect of taxation | 3.3 | 95 |
| 1.05 | Irregular payments and bribes | 2.9 | 130 | 6.05 | Total tax rate, % profits* | 36.6 | 65 |
| 1.06 | Judicial independence | 2.2 | 135 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 85 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 2.2 | 131 | 6.08 | Agricultural policy costs | 3.2 | 125 |
| 1.09 | Burden of government regulation | 2.9 | 117 | 6.09 | Prevalence of trade barriers | 3.5 | 133 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 125 | 6.10 | Trade tariffs, % duty* | 7.9 | 91 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.8 | 123 | 6.11 | Prevalence of foreign ownership | 4.0 | 114 |
| 1.12 | Transparency of government policymaking | 3.0 | 141 | 6.12 | Business impact of rules on FDI | 3.8 | 121 |
| 1.13 | Gov't services for improved business performance | 3.0 | 114 | 6.13 | Burden of customs procedures | 3.3 | 123 |
| 1.14 | Business costs of terrorism | 5.1 | 104 | 6.14 | Imports as a percentage of GDP* | 39.6 | 89 |
| 1.15 | Business costs of crime and violence | 3.3 | 129 | 6.15 | Degree of customer orientation | 4.4 | 93 |
| 1.16 | Organized crime | 4.0 | 123 | 6.16 | Buyer sophistication | 2.1 | 139 |
| 1.17 | Reliability of police services | 2.3 | 140 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 135 | 7.01 | Cooperation in labor-employer relations | 4.2 | 83 |
| 1.19 | Strength of auditing and reporting standards | 3.3 | 134 | 7.02 | Flexibility of wage determination | 4.9 | 81 |
| 1.20 | Efficacy of corporate boards | 4.4 | 85 | 7.03 | Hiring and firing practices | 4.3 | 45 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 135 | 7.04 | Redundancy costs, weeks of salary* | 12 | 52 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.8 | 82 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.7 | 108 | |
| 2.01 | Quality of overall infrastructure | 3.0 | 125 | 7.07 | Brain drain | 2.7 | 116 |
| 2.02 | Quality of roads | 2.5 | 130 | 7.08 | Women in labor force, ratio to men* | 0.95 | 8 |
| 2.03 | Quality of railroad infrastructure | 1.9 | 98 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.2 | 123 | 8.01 | Availability of financial services | 3.4 | 132 |
| 2.05 | Quality of air transport infrastructure | 3.6 | 114 | 8.02 | Affordability of financial services | 3.2 | 131 |
| 2.06 | Available airline seat kms/week, millions* | 50.1 | 95 | 8.03 | Financing through local equity market | 2.1 | 136 |
| 2.07 | Quality of electricity supply | 2.2 | 127 | 8.04 | Ease of access to loans | 2.6 | 83 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 38.3 | 138 | 8.05 | Venture capital availability | 2.5 | 71 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.6 | 132 | 8.06 | Soundness of banks | 4.4 | 111 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.4 | 139 | |
| 3.01 | Government budget balance, % GDP* | -1.6 | 46 | 8.08 | Legal rights index, 0-10 (best)* | 2 | 135 |
| 3.02 | Gross national savings, % GDP* | 17.9 | 83 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 10.6 | 125 | 9.01 | Availability of latest technologies | 3.9 | 128 |
| 3.04 | General government debt, % GDP* | 5.7 | 5 | 9.02 | Firm-level technology absorption | 3.8 | 132 |
| 3.05 | Country credit rating, 0-100 (best)* | 18.1 | 133 | 9.03 | FDI and technology transfer | 3.8 | 121 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 1.9 | 138 | |
| 4.01 | Business impact of malaria | 3.6 | 125 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 132 |
| 4.02 | Malaria cases/100,000 pop.* | 3,999.8 | 119 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 5.7 | 103 |
| 4.03 | Business impact of tuberculosis | 4.6 | 103 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.1 | 125 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 266.0 | 124 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 82 | 10.01 | Domestic market size index, 1-7 (best)* | 2.6 | 107 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 3.0 | 119 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 43.1 | 111 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 66.5 | 107 | 11.01 | Local supplier quantity | 4.5 | 86 |
| 4.09 | Quality of primary education | 2.8 | 121 | 11.02 | Local supplier quality | 3.8 | 121 |
| 4.10 | Primary education enrollment, net %* | 79.2 | 126 | 11.03 | State of cluster development | 2.8 | 130 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 99 | |
| 5.01 | Secondary education enrollment, gross %* | 31.1 | 133 | 11.05 | Value chain breadth | 3.0 | 112 |
| 5.02 | Tertiary education enrollment, gross %* | 3.7 | 132 | 11.06 | Control of international distribution | 3.1 | 134 |
| 5.03 | Quality of the educational system | 3.0 | 117 | 11.07 | Production process sophistication | 2.7 | 125 |
| 5.04 | Quality of math and science education | 3.8 | 82 | 11.08 | Extent of marketing | 3.0 | 123 |
| 5.05 | Quality of management schools | 3.9 | 90 | 11.09 | Willingness to delegate authority | 3.2 | 114 |
| 5.06 | Internet access in schools | 2.2 | 133 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.2 | 123 | 12.01 | Capacity for innovation | 2.8 | 97 |
| 5.08 | Extent of staff training | 3.4 | 113 | 12.02 | Quality of scientific research institutions | 3.0 | 109 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 93 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 103 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 111 |
| | | | | 12.06 | Availability of scientists and engineers | 4.4 | 47 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

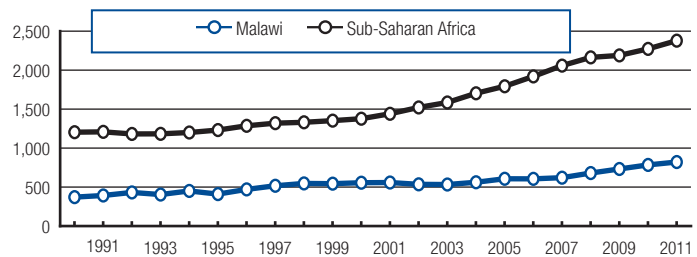
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Malawi

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 15.4 |
| GDP (US\$ billions)..... | 5.7 |
| GDP per capita (US\$)..... | 351 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

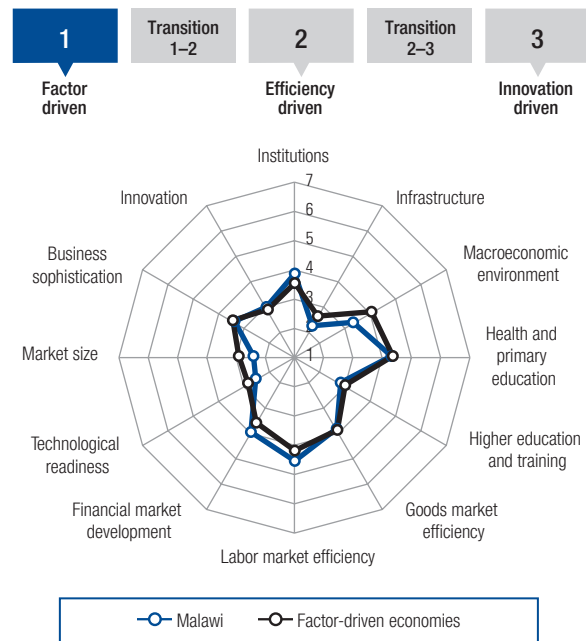
GDP (PPP) per capita (int'l \$), 1990–2011



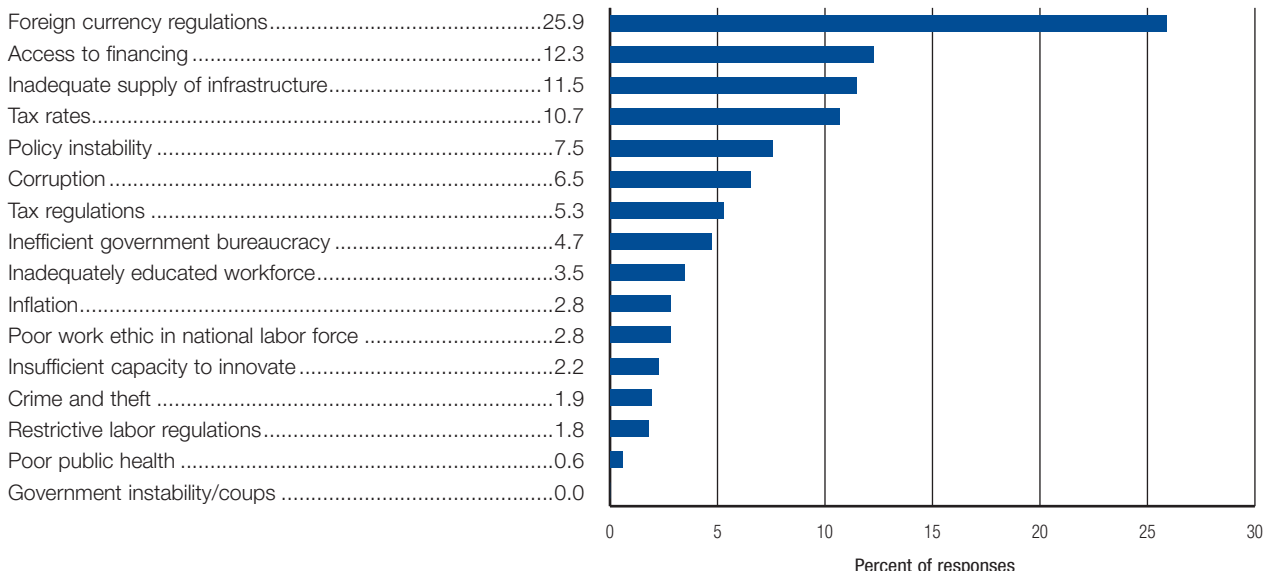
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 129 | 3.4 |
| GCI 2011–2012 (out of 142)..... | 117 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 125 | 3.4 |
| Basic requirements (60.0%) | 135 | 3.4 |
| Institutions..... | 76 | 3.8 |
| Infrastructure..... | 135 | 2.2 |
| Macroeconomic environment..... | 136 | 3.3 |
| Health and primary education..... | 124 | 4.3 |
| Efficiency enhancers (35.0%) | 120 | 3.4 |
| Higher education and training..... | 129 | 2.8 |
| Goods market efficiency..... | 112 | 3.9 |
| Labor market efficiency..... | 43 | 4.6 |
| Financial market development..... | 75 | 4.0 |
| Technological readiness..... | 134 | 2.5 |
| Market size..... | 123 | 2.4 |
| Innovation and sophistication factors (5.0%) | 109 | 3.2 |
| Business sophistication..... | 115 | 3.4 |
| Innovation..... | 99 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.9 | 88 | 6.01 | Intensity of local competition | 3.9 | 126 |
| 1.02 | Intellectual property protection | 3.6 | 72 | 6.02 | Extent of market dominance | 3.2 | 116 |
| 1.03 | Diversion of public funds | 3.1 | 73 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 77 |
| 1.04 | Public trust in politicians | 2.7 | 73 | 6.04 | Extent and effect of taxation | 2.9 | 120 |
| 1.05 | Irregular payments and bribes | 3.4 | 97 | 6.05 | Total tax rate, % profits* | 28.2 | 30 |
| 1.06 | Judicial independence | 4.1 | 54 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 101 | 6.07 | No. days to start a business* | 39 | 117 |
| 1.08 | Wastefulness of government spending | 2.9 | 94 | 6.08 | Agricultural policy costs | 3.5 | 109 |
| 1.09 | Burden of government regulation | 3.3 | 79 | 6.09 | Prevalence of trade barriers | 4.1 | 87 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 | 52 | 6.10 | Trade tariffs, % duty* | 10.2 | 105 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 51 | 6.11 | Prevalence of foreign ownership | 4.6 | 72 |
| 1.12 | Transparency of government policymaking | 3.9 | 103 | 6.12 | Business impact of rules on FDI | 4.1 | 107 |
| 1.13 | Gov't services for improved business performance | 3.1 | 103 | 6.13 | Burden of customs procedures | 3.3 | 121 |
| 1.14 | Business costs of terrorism | 5.6 | 61 | 6.14 | Imports as a percentage of GDP* | 41.9 | 80 |
| 1.15 | Business costs of crime and violence | 4.3 | 99 | 6.15 | Degree of customer orientation | 4.5 | 80 |
| 1.16 | Organized crime | 5.4 | 61 | 6.16 | Buyer sophistication | 2.7 | 122 |
| 1.17 | Reliability of police services | 3.8 | 91 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.8 | 77 | 7.01 | Cooperation in labor-employer relations | 4.1 | 91 |
| 1.19 | Strength of auditing and reporting standards | 4.8 | 56 | 7.02 | Flexibility of wage determination | 5.4 | 32 |
| 1.20 | Efficacy of corporate boards | 4.5 | 73 | 7.03 | Hiring and firing practices | 4.1 | 58 |
| 1.21 | Protection of minority shareholders' interests | 4.4 | 55 | 7.04 | Redundancy costs, weeks of salary* | 17 | 78 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.6 | 91 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 68 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 116 | 7.07 | Brain drain | 3.3 | 86 |
| 2.02 | Quality of roads | 3.4 | 89 | 7.08 | Women in labor force, ratio to men* | 1.06 | 1 |
| 2.03 | Quality of railroad infrastructure | 2.2 | 84 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 94 | 8.01 | Availability of financial services | 3.8 | 104 |
| 2.05 | Quality of air transport infrastructure | 3.1 | 133 | 8.02 | Affordability of financial services | 3.9 | 89 |
| 2.06 | Available airline seat kms/week, millions* | 5.8 | 140 | 8.03 | Financing through local equity market | 3.9 | 48 |
| 2.07 | Quality of electricity supply | 2.2 | 128 | 8.04 | Ease of access to loans | 2.3 | 112 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 25.1 | 142 | 8.05 | Venture capital availability | 2.0 | 125 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.1 | 126 | 8.06 | Soundness of banks | 5.4 | 56 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.8 | 93 | |
| 3.01 | Government budget balance, % GDP* | -7.9 | 133 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 11.6 | 118 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.6 | 103 | 9.01 | Availability of latest technologies | 4.1 | 120 |
| 3.04 | General government debt, % GDP* | 42.5 | 78 | 9.02 | Firm-level technology absorption | 3.8 | 134 |
| 3.05 | Country credit rating, 0-100 (best)* | 19.9 | 128 | 9.03 | FDI and technology transfer | 3.9 | 115 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 3.3 | 132 | |
| 4.01 | Business impact of malaria | 2.5 | 139 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 125 |
| 4.02 | Malaria cases/100,000 pop.* | 31,168.8 | 137 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.4 | 130 |
| 4.03 | Business impact of tuberculosis | 3.4 | 134 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.1 | 94 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 219.0 | 118 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.6 | 143 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 125 |
| 4.06 | HIV prevalence, % adult pop.* | 11.0 | 136 | 10.02 | Foreign market size index, 1-7 (best)* | 2.7 | 131 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 58.1 | 123 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 53.5 | 131 | 11.01 | Local supplier quantity | 4.3 | 105 |
| 4.09 | Quality of primary education | 3.0 | 112 | 11.02 | Local supplier quality | 4.0 | 106 |
| 4.10 | Primary education enrollment, net %* | 96.9 | 42 | 11.03 | State of cluster development | 3.3 | 97 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 121 | |
| 5.01 | Secondary education enrollment, gross %* | 32.1 | 132 | 11.05 | Value chain breadth | 2.7 | 132 |
| 5.02 | Tertiary education enrollment, gross %* | 0.7 | 140 | 11.06 | Control of international distribution | 3.9 | 89 |
| 5.03 | Quality of the educational system | 3.8 | 65 | 11.07 | Production process sophistication | 2.6 | 131 |
| 5.04 | Quality of math and science education | 3.6 | 96 | 11.08 | Extent of marketing | 2.9 | 128 |
| 5.05 | Quality of management schools | 3.7 | 100 | 11.09 | Willingness to delegate authority | 3.6 | 84 |
| 5.06 | Internet access in schools | 2.6 | 124 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 108 | 12.01 | Capacity for innovation | 2.8 | 100 |
| 5.08 | Extent of staff training | 3.7 | 94 | 12.02 | Quality of scientific research institutions | 3.4 | 89 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 117 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 75 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 91 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 100 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

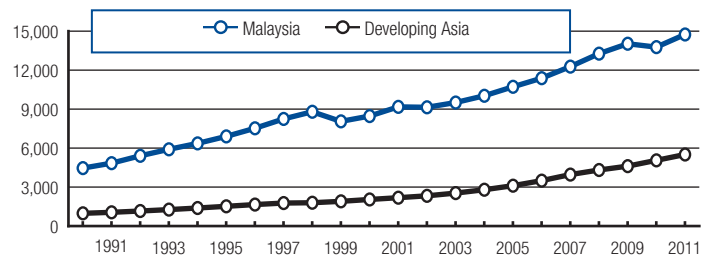
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Malaysia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 29.0 |
| GDP (US\$ billions)..... | 278.7 |
| GDP per capita (US\$)..... | 9,700 |
| GDP (PPP) as share (%) of world total..... | 0.57 |

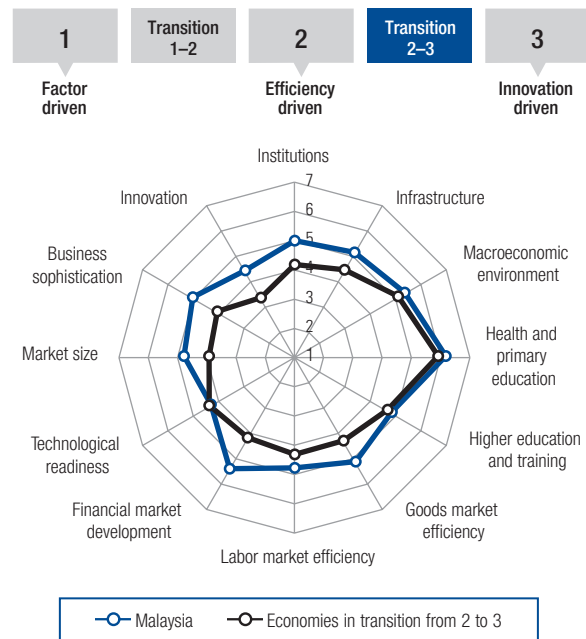
GDP (PPP) per capita (int'l \$), 1990–2011



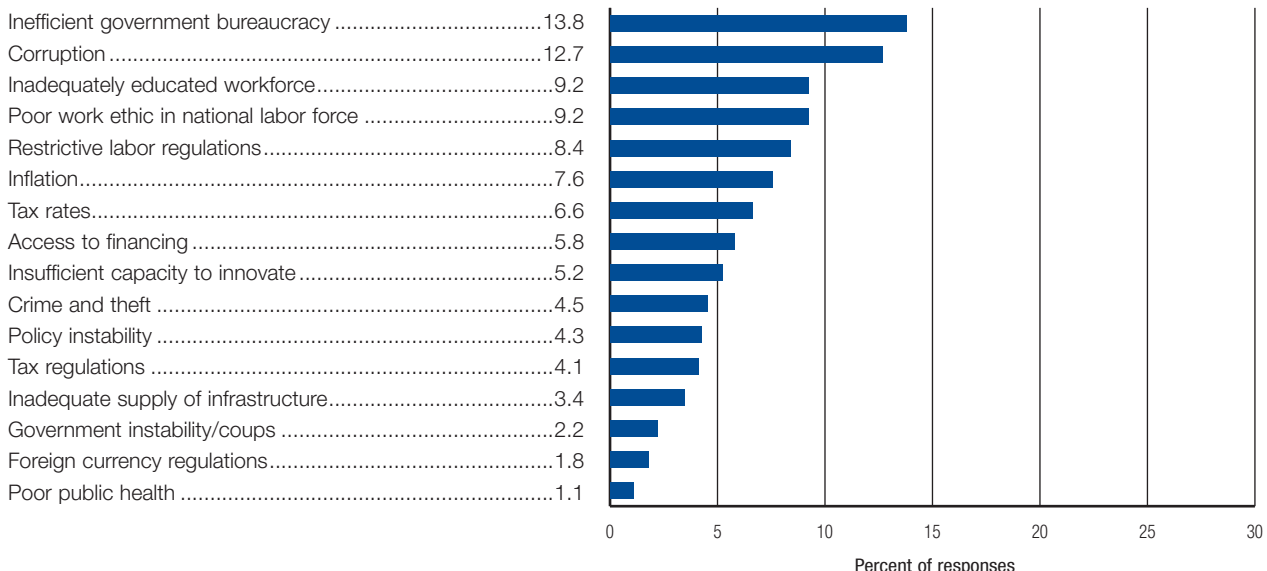
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 25 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 21 | 5.1 |
| GCI 2010–2011 (out of 139)..... | 26 | 4.9 |
| Basic requirements (38.3%) | 27 | 5.4 |
| Institutions..... | 29 | 4.9 |
| Infrastructure..... | 32 | 5.1 |
| Macroeconomic environment..... | 35 | 5.3 |
| Health and primary education..... | 33 | 6.2 |
| Efficiency enhancers (50.0%) | 23 | 4.9 |
| Higher education and training..... | 39 | 4.8 |
| Goods market efficiency..... | 11 | 5.2 |
| Labor market efficiency..... | 24 | 4.8 |
| Financial market development..... | 6 | 5.4 |
| Technological readiness..... | 51 | 4.3 |
| Market size..... | 28 | 4.8 |
| Innovation and sophistication factors (11.7%) | 23 | 4.7 |
| Business sophistication..... | 20 | 5.0 |
| Innovation..... | 25 | 4.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Malaysia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.4 | 28 | 6.01 | Intensity of local competition | 5.4 | 36 |
| 1.02 | Intellectual property protection | 4.9 | 31 | 6.02 | Extent of market dominance | 4.9 | 19 |
| 1.03 | Diversion of public funds | 4.2 | 42 | 6.03 | Effectiveness of anti-monopoly policy | 4.8 | 26 |
| 1.04 | Public trust in politicians | 4.4 | 17 | 6.04 | Extent and effect of taxation | 4.7 | 14 |
| 1.05 | Irregular payments and bribes | 4.7 | 46 | 6.05 | Total tax rate, % profits* | 34.0 | 50 |
| 1.06 | Judicial independence | 4.6 | 43 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 4.1 | 25 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 4.4 | 19 | 6.08 | Agricultural policy costs | 5.1 | 4 |
| 1.09 | Burden of government regulation | 4.6 | 8 | 6.09 | Prevalence of trade barriers | 4.9 | 28 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.1 | 14 | 6.10 | Trade tariffs, % duty* | 6.0 | 76 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.1 | 10 | 6.11 | Prevalence of foreign ownership | 5.0 | 53 |
| 1.12 | Transparency of government policymaking | 5.2 | 17 | 6.12 | Business impact of rules on FDI | 5.5 | 10 |
| 1.13 | Gov't services for improved business performance | 5.3 | 4 | 6.13 | Burden of customs procedures | 5.0 | 23 |
| 1.14 | Business costs of terrorism | 5.7 | 58 | 6.14 | Imports as a percentage of GDP* | 80.7 | 24 |
| 1.15 | Business costs of crime and violence | 4.9 | 69 | 6.15 | Degree of customer orientation | 5.4 | 16 |
| 1.16 | Organized crime | 5.4 | 60 | 6.16 | Buyer sophistication | 4.5 | 17 |
| 1.17 | Reliability of police services | 5.0 | 40 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 33 | 7.01 | Cooperation in labor-employer relations | 5.2 | 15 |
| 1.19 | Strength of auditing and reporting standards | 5.4 | 30 | 7.02 | Flexibility of wage determination | 5.6 | 22 |
| 1.20 | Efficacy of corporate boards | 5.3 | 14 | 7.03 | Hiring and firing practices | 4.5 | 34 |
| 1.21 | Protection of minority shareholders' interests | 5.2 | 15 | 7.04 | Redundancy costs, weeks of salary* | 24 | 108 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.7 | 4 | 7.05 | Pay and productivity | 5.3 | 3 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.3 | 23 | |
| 2.01 | Quality of overall infrastructure | 5.4 | 29 | 7.07 | Brain drain | 4.7 | 22 |
| 2.02 | Quality of roads | 5.4 | 27 | 7.08 | Women in labor force, ratio to men* | 0.59 | 119 |
| 2.03 | Quality of railroad infrastructure | 4.9 | 17 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.5 | 21 | 8.01 | Availability of financial services | 5.6 | 24 |
| 2.05 | Quality of air transport infrastructure | 5.9 | 24 | 8.02 | Affordability of financial services | 5.4 | 11 |
| 2.06 | Available airline seat kms/week, millions* | 1,465.8 | 23 | 8.03 | Financing through local equity market | 4.9 | 9 |
| 2.07 | Quality of electricity supply | 5.9 | 35 | 8.04 | Ease of access to loans | 4.4 | 8 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 127.0 | 33 | 8.05 | Venture capital availability | 4.0 | 11 |
| 2.09 | Fixed telephone lines/100 pop.* | 14.7 | 85 | 8.06 | Soundness of banks | 5.7 | 37 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.3 | 20 | |
| 3.01 | Government budget balance, % GDP* | -5.1 | 110 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 33.7 | 17 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.2 | 33 | 9.01 | Availability of latest technologies | 5.8 | 35 |
| 3.04 | General government debt, % GDP* | 52.6 | 100 | 9.02 | Firm-level technology absorption | 5.6 | 29 |
| 3.05 | Country credit rating, 0-100 (best)* | 72.8 | 32 | 9.03 | FDI and technology transfer | 5.3 | 16 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 61.0 | 41 | |
| 4.01 | Business impact of malaria | 5.2 | 99 | 9.05 | Broadband Internet subscriptions/100 pop.* | 7.4 | 68 |
| 4.02 | Malaria cases/100,000 pop.* | 70.8 | 97 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 10.7 | 83 |
| 4.03 | Business impact of tuberculosis | 5.0 | 86 | 9.07 | Mobile broadband subscriptions/100 pop.* | 12.3 | 64 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 82.0 | 86 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.9 | 91 | 10.01 | Domestic market size index, 1-7 (best)* | 4.5 | 31 |
| 4.06 | HIV prevalence, % adult pop.* | 0.5 | 87 | 10.02 | Foreign market size index, 1-7 (best)* | 5.7 | 20 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.4 | 35 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.0 | 60 | 11.01 | Local supplier quantity | 5.3 | 18 |
| 4.09 | Quality of primary education | 4.9 | 24 | 11.02 | Local supplier quality | 5.2 | 26 |
| 4.10 | Primary education enrollment, net %* | 95.9 | 46 | 11.03 | State of cluster development | 5.0 | 13 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.5 | 28 | |
| 5.01 | Secondary education enrollment, gross %* | 68.3 | 103 | 11.05 | Value chain breadth | 4.9 | 21 |
| 5.02 | Tertiary education enrollment, gross %* | 40.2 | 61 | 11.06 | Control of international distribution | 5.0 | 12 |
| 5.03 | Quality of the educational system | 5.1 | 14 | 11.07 | Production process sophistication | 5.1 | 25 |
| 5.04 | Quality of math and science education | 5.0 | 20 | 11.08 | Extent of marketing | 5.1 | 30 |
| 5.05 | Quality of management schools | 5.0 | 26 | 11.09 | Willingness to delegate authority | 5.0 | 14 |
| 5.06 | Internet access in schools | 5.1 | 38 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.4 | 17 | 12.01 | Capacity for innovation | 4.6 | 17 |
| 5.08 | Extent of staff training | 5.2 | 7 | 12.02 | Quality of scientific research institutions | 4.9 | 28 |
| | | | | 12.03 | Company spending on R&D | 4.7 | 16 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.0 | 18 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.9 | 4 |
| | | | | 12.06 | Availability of scientists and engineers | 4.9 | 20 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 9.6 | 34 |

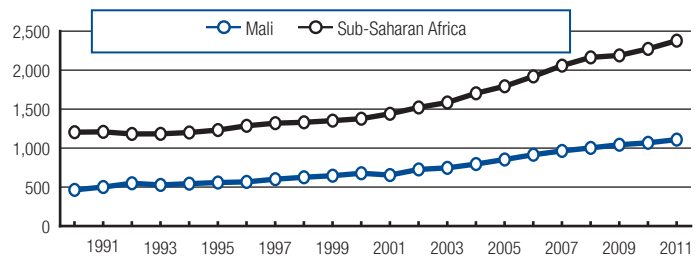
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mali

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 15.9 |
| GDP (US\$ billions)..... | 10.6 |
| GDP per capita (US\$)..... | 669 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

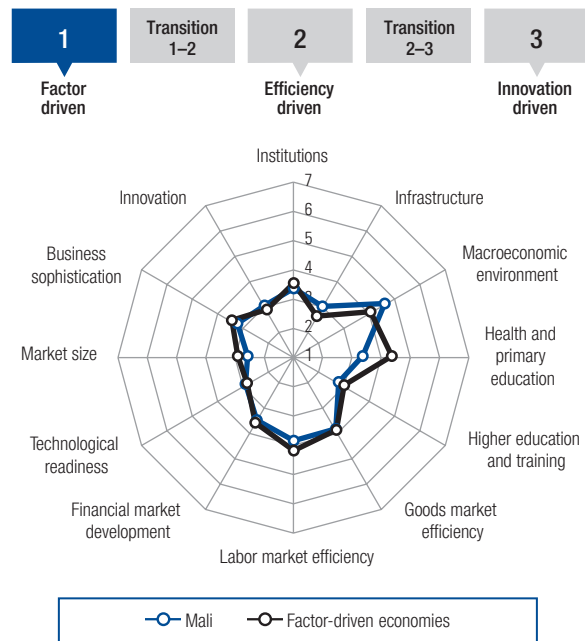
GDP (PPP) per capita (int'l \$), 1990–2011



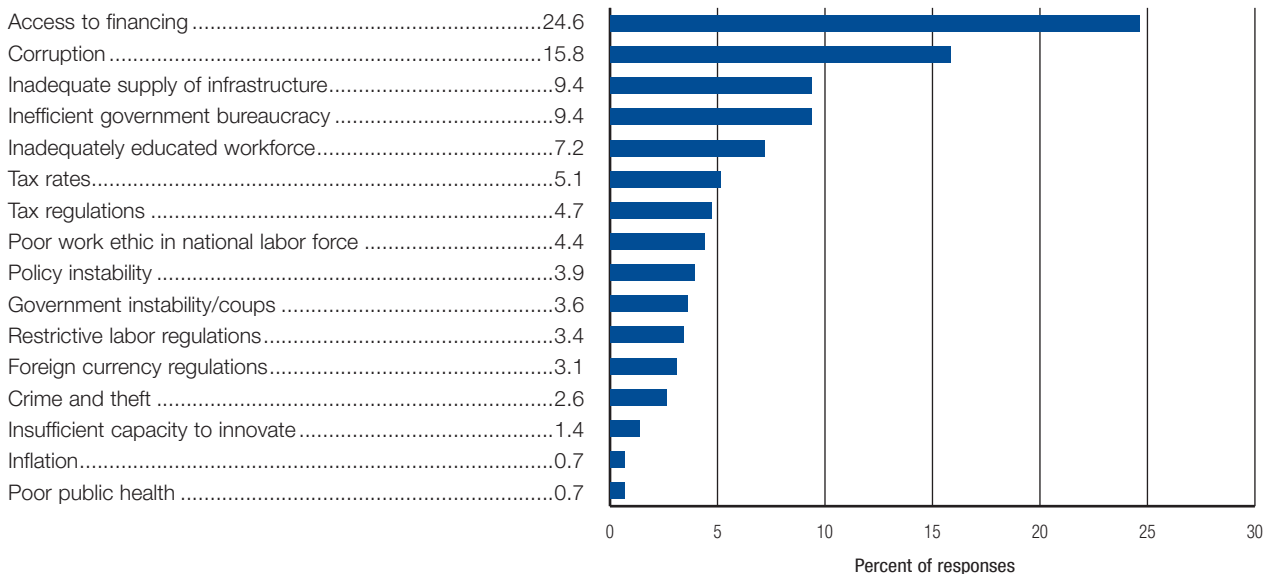
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 128 | 3.4 |
| GCI 2011–2012 (out of 142)..... | 128 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 132 | 3.3 |
| Basic requirements (60.0%) | 125 | 3.6 |
| Institutions..... | 120 | 3.3 |
| Infrastructure..... | 107 | 3.0 |
| Macroeconomic environment..... | 74 | 4.6 |
| Health and primary education..... | 141 | 3.4 |
| Efficiency enhancers (35.0%) | 127 | 3.3 |
| Higher education and training..... | 130 | 2.8 |
| Goods market efficiency..... | 111 | 3.9 |
| Labor market efficiency..... | 118 | 3.9 |
| Financial market development..... | 113 | 3.5 |
| Technological readiness..... | 119 | 2.9 |
| Market size..... | 118 | 2.6 |
| Innovation and sophistication factors (5.0%) | 114 | 3.1 |
| Business sophistication..... | 126 | 3.2 |
| Innovation..... | 88 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 108 | 6.01 | Intensity of local competition | 4.2 | 110 |
| 1.02 | Intellectual property protection | 2.9 | 109 | 6.02 | Extent of market dominance | 3.7 | 68 |
| 1.03 | Diversion of public funds | 2.5 | 116 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 76 |
| 1.04 | Public trust in politicians | 2.6 | 82 | 6.04 | Extent and effect of taxation | 3.1 | 106 |
| 1.05 | Irregular payments and bribes | 2.4 | 139 | 6.05 | Total tax rate, % profits* | 51.8 | 113 |
| 1.06 | Judicial independence | 2.8 | 111 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 93 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.2 | 74 | 6.08 | Agricultural policy costs | 3.9 | 64 |
| 1.09 | Burden of government regulation | 3.5 | 56 | 6.09 | Prevalence of trade barriers | 3.8 | 117 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.5 | 85 | 6.10 | Trade tariffs, % duty* | 11.4 | 117 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 82 | 6.11 | Prevalence of foreign ownership | 4.0 | 115 |
| 1.12 | Transparency of government policymaking | 3.7 | 117 | 6.12 | Business impact of rules on FDI | 4.2 | 103 |
| 1.13 | Gov't services for improved business performance | 3.8 | 65 | 6.13 | Burden of customs procedures | 4.1 | 70 |
| 1.14 | Business costs of terrorism | 4.0 | 132 | 6.14 | Imports as a percentage of GDP* | 39.6 | 88 |
| 1.15 | Business costs of crime and violence | 4.2 | 103 | 6.15 | Degree of customer orientation | 4.1 | 113 |
| 1.16 | Organized crime | 4.4 | 109 | 6.16 | Buyer sophistication | 2.3 | 136 |
| 1.17 | Reliability of police services | 3.6 | 103 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 110 | 7.01 | Cooperation in labor-employer relations | 4.2 | 78 |
| 1.19 | Strength of auditing and reporting standards | 3.2 | 139 | 7.02 | Flexibility of wage determination | 4.6 | 104 |
| 1.20 | Efficacy of corporate boards | 3.8 | 135 | 7.03 | Hiring and firing practices | 3.9 | 77 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 101 | 7.04 | Redundancy costs, weeks of salary* | 14 | 62 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.7 | 120 | 7.05 | Pay and productivity | 3.3 | 115 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.3 | 136 | |
| 2.01 | Quality of overall infrastructure | 3.8 | 89 | 7.07 | Brain drain | 3.0 | 102 |
| 2.02 | Quality of roads | 3.6 | 82 | 7.08 | Women in labor force, ratio to men* | 0.53 | 124 |
| 2.03 | Quality of railroad infrastructure | 2.7 | 61 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.1 | 74 | 8.01 | Availability of financial services | 3.8 | 112 |
| 2.05 | Quality of air transport infrastructure | 4.2 | 92 | 8.02 | Affordability of financial services | 3.8 | 94 |
| 2.06 | Available airline seat kms/week, millions* | 23.6 | 115 | 8.03 | Financing through local equity market | 3.1 | 93 |
| 2.07 | Quality of electricity supply | 3.5 | 109 | 8.04 | Ease of access to loans | 2.4 | 99 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 68.3 | 119 | 8.05 | Venture capital availability | 2.3 | 92 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.7 | 131 | 8.06 | Soundness of banks | 4.4 | 112 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.9 | 131 | |
| 3.01 | Government budget balance, % GDP* | -1.3 | 42 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 10.2 | 125 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.1 | 27 | 9.01 | Availability of latest technologies | 4.5 | 99 |
| 3.04 | General government debt, % GDP* | 30.6 | 43 | 9.02 | Firm-level technology absorption | 4.5 | 87 |
| 3.05 | Country credit rating, 0-100 (best)* | 23.7 | 119 | 9.03 | FDI and technology transfer | 4.3 | 93 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 2.0 | 137 | |
| 4.01 | Business impact of malaria | 2.1 | 143 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 136 |
| 4.02 | Malaria cases/100,000 pop.* | 18,093.2 | 125 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.9 | 106 |
| 4.03 | Business impact of tuberculosis | 4.4 | 111 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.4 | 118 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 68.0 | 79 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.0 | 121 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 117 |
| 4.06 | HIV prevalence, % adult pop.* | 1.0 | 105 | 10.02 | Foreign market size index, 1-7 (best)* | 2.9 | 120 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 99.2 | 143 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 51.0 | 136 | 11.01 | Local supplier quantity | 5.0 | 45 |
| 4.09 | Quality of primary education | 2.5 | 127 | 11.02 | Local supplier quality | 3.9 | 110 |
| 4.10 | Primary education enrollment, net %* | 62.9 | 137 | 11.03 | State of cluster development | 3.1 | 113 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 117 | |
| 5.01 | Secondary education enrollment, gross %* | 39.4 | 123 | 11.05 | Value chain breadth | 2.9 | 123 |
| 5.02 | Tertiary education enrollment, gross %* | 6.1 | 121 | 11.06 | Control of international distribution | 3.3 | 128 |
| 5.03 | Quality of the educational system | 2.9 | 118 | 11.07 | Production process sophistication | 2.7 | 129 |
| 5.04 | Quality of math and science education | 2.8 | 121 | 11.08 | Extent of marketing | 2.5 | 138 |
| 5.05 | Quality of management schools | 3.3 | 122 | 11.09 | Willingness to delegate authority | 2.8 | 137 |
| 5.06 | Internet access in schools | 3.3 | 106 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.6 | 101 | 12.01 | Capacity for innovation | 2.7 | 111 |
| 5.08 | Extent of staff training | 3.1 | 131 | 12.02 | Quality of scientific research institutions | 3.6 | 66 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 101 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.1 | 111 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 54 |
| | | | | 12.06 | Availability of scientists and engineers | 4.1 | 65 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

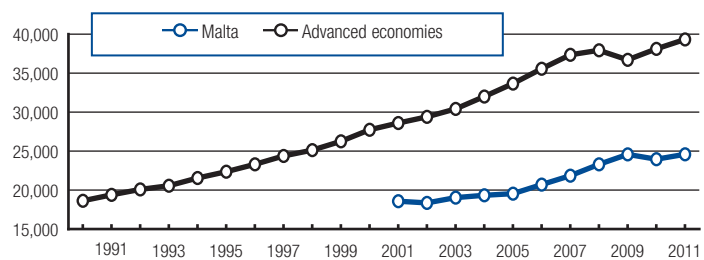
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Malta

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 0.4 |
| GDP (US\$ billions)..... | 8.9 |
| GDP per capita (US\$)..... | 21,028 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

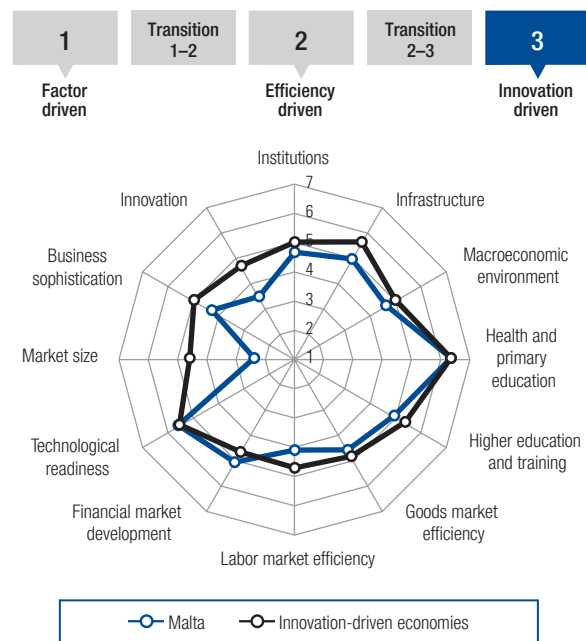
GDP (PPP) per capita (int'l \$), 1990–2011



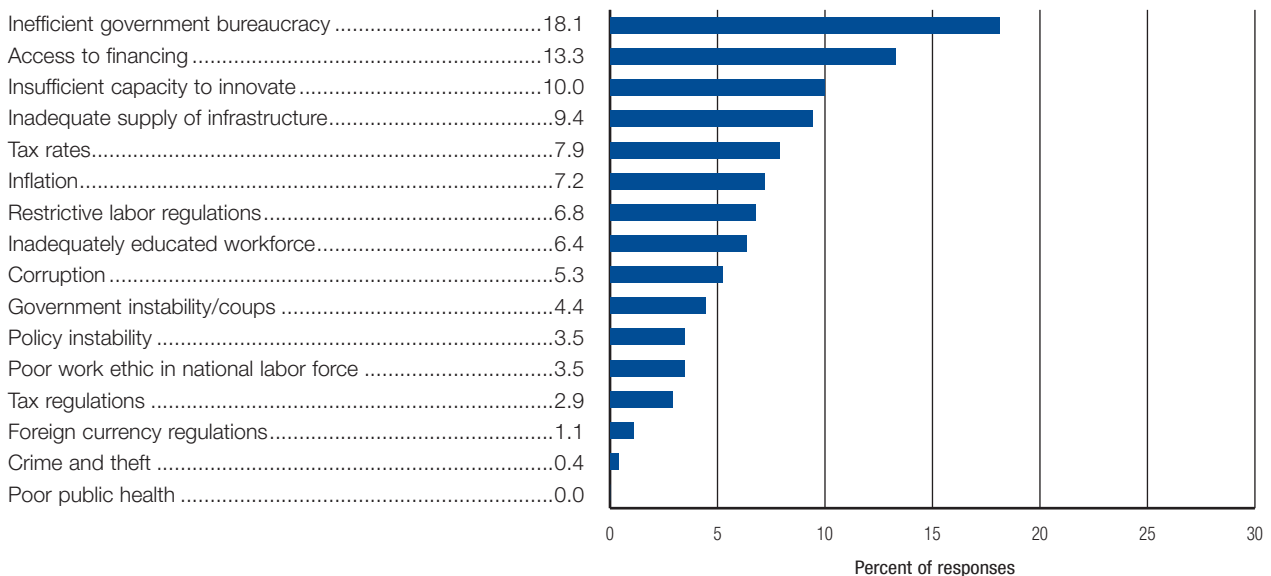
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 47 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 51 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 50 | 4.3 |
| Basic requirements (20.0%) | 34 | 5.1 |
| Institutions..... | 37 | 4.6 |
| Infrastructure..... | 34 | 4.9 |
| Macroeconomic environment..... | 71 | 4.6 |
| Health and primary education..... | 19 | 6.3 |
| Efficiency enhancers (50.0%) | 40 | 4.5 |
| Higher education and training..... | 35 | 4.9 |
| Goods market efficiency..... | 34 | 4.6 |
| Labor market efficiency..... | 92 | 4.1 |
| Financial market development..... | 15 | 5.1 |
| Technological readiness..... | 21 | 5.6 |
| Market size..... | 125 | 2.4 |
| Innovation and sophistication factors (30.0%) | 46 | 3.9 |
| Business sophistication..... | 43 | 4.3 |
| Innovation..... | 48 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.6 | 21 | 6.01 | Intensity of local competition | 5.8 | 10 |
| 1.02 | Intellectual property protection | 4.7 | 35 | 6.02 | Extent of market dominance | 3.8 | 60 |
| 1.03 | Diversion of public funds | 4.1 | 43 | 6.03 | Effectiveness of anti-monopoly policy | 4.6 | 36 |
| 1.04 | Public trust in politicians | 3.2 | 49 | 6.04 | Extent and effect of taxation | 3.7 | 53 |
| 1.05 | Irregular payments and bribes | 4.5 | 49 | 6.05 | Total tax rate, % profits* | n/a | n/a |
| 1.06 | Judicial independence | 5.0 | 35 | 6.06 | No. procedures to start a business* | n/a | n/a |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 76 | 6.07 | No. days to start a business* | n/a | n/a |
| 1.08 | Wastefulness of government spending | 3.6 | 44 | 6.08 | Agricultural policy costs | 4.4 | 26 |
| 1.09 | Burden of government regulation | 3.0 | 104 | 6.09 | Prevalence of trade barriers | 5.2 | 18 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.9 | 58 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.7 | 68 | 6.11 | Prevalence of foreign ownership | 4.7 | 70 |
| 1.12 | Transparency of government policymaking | 4.4 | 57 | 6.12 | Business impact of rules on FDI | 5.4 | 16 |
| 1.13 | Gov't services for improved business performance | 4.1 | 39 | 6.13 | Burden of customs procedures | 4.9 | 26 |
| 1.14 | Business costs of terrorism | 5.9 | 51 | 6.14 | Imports as a percentage of GDP* | 98.4 | 7 |
| 1.15 | Business costs of crime and violence | 5.9 | 14 | 6.15 | Degree of customer orientation | 4.5 | 79 |
| 1.16 | Organized crime | 6.4 | 15 | 6.16 | Buyer sophistication | 3.6 | 60 |
| 1.17 | Reliability of police services | 5.0 | 42 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.5 | 42 | 7.01 | Cooperation in labor-employer relations | 4.8 | 33 |
| 1.19 | Strength of auditing and reporting standards | 5.8 | 16 | 7.02 | Flexibility of wage determination | 4.9 | 83 |
| 1.20 | Efficacy of corporate boards | 4.4 | 84 | 7.03 | Hiring and firing practices | 3.6 | 92 |
| 1.21 | Protection of minority shareholders' interests | 5.2 | 17 | 7.04 | Redundancy costs, weeks of salary* | n/a | n/a |
| 1.22 | Strength of investor protection, 0-10 (best)* | n/a | n/a | 7.05 | Pay and productivity | 4.2 | 51 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.0 | 88 | |
| 2.01 | Quality of overall infrastructure | 5.2 | 35 | 7.07 | Brain drain | 4.1 | 37 |
| 2.02 | Quality of roads | 3.1 | 105 | 7.08 | Women in labor force, ratio to men* | 0.55 | 123 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.7 | 15 | 8.01 | Availability of financial services | 5.3 | 34 |
| 2.05 | Quality of air transport infrastructure | 5.9 | 25 | 8.02 | Affordability of financial services | 4.9 | 32 |
| 2.06 | Available airline seat kms/week, millions* | 65.9 | 88 | 8.03 | Financing through local equity market | 4.4 | 24 |
| 2.07 | Quality of electricity supply | 4.8 | 72 | 8.04 | Ease of access to loans | 3.9 | 17 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 124.9 | 39 | 8.05 | Venture capital availability | 3.1 | 36 |
| 2.09 | Fixed telephone lines/100 pop.* | 54.9 | 8 | 8.06 | Soundness of banks | 6.2 | 13 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.6 | 12 | |
| 3.01 | Government budget balance, % GDP* | -3.0 | 72 | 8.08 | Legal rights index, 0-10 (best)* | n/a | n/a |
| 3.02 | Gross national savings, % GDP* | 9.3 | 127 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.4 | 1 | 9.01 | Availability of latest technologies | 6.2 | 21 |
| 3.04 | General government debt, % GDP* | 70.9 | 116 | 9.02 | Firm-level technology absorption | 5.5 | 32 |
| 3.05 | Country credit rating, 0-100 (best)* | 73.3 | 31 | 9.03 | FDI and technology transfer | 5.2 | 21 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 69.2 | 36 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 30.0 | 15 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 47.8 | 32 |
| 4.03 | Business impact of tuberculosis | 5.7 | 51 | 9.07 | Mobile broadband subscriptions/100 pop.* | 32.6 | 34 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 12.0 | 30 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 53 | 10.01 | Domestic market size index, 1-7 (best)* | 2.0 | 129 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5 | 102 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.2 | 32 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.9 | 13 | 11.01 | Local supplier quantity | 5.1 | 31 |
| 4.09 | Quality of primary education | 5.3 | 17 | 11.02 | Local supplier quality | 4.7 | 54 |
| 4.10 | Primary education enrollment, net %* | 93.8 | 65 | 11.03 | State of cluster development | 3.6 | 73 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.2 | 31 | |
| 5.01 | Secondary education enrollment, gross %* | 100.9 | 27 | 11.05 | Value chain breadth | 4.0 | 43 |
| 5.02 | Tertiary education enrollment, gross %* | 35.3 | 71 | 11.06 | Control of international distribution | 4.5 | 30 |
| 5.03 | Quality of the educational system | 5.0 | 16 | 11.07 | Production process sophistication | 4.3 | 39 |
| 5.04 | Quality of math and science education | 5.2 | 15 | 11.08 | Extent of marketing | 4.4 | 46 |
| 5.05 | Quality of management schools | 5.0 | 28 | 11.09 | Willingness to delegate authority | 3.6 | 81 |
| 5.06 | Internet access in schools | 5.9 | 18 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.5 | 45 | 12.01 | Capacity for innovation | 3.2 | 70 |
| 5.08 | Extent of staff training | 4.1 | 50 | 12.02 | Quality of scientific research institutions | 3.7 | 63 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 50 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 64 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 44 |
| | | | | 12.06 | Availability of scientists and engineers | 4.1 | 67 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 12.9 | 29 |

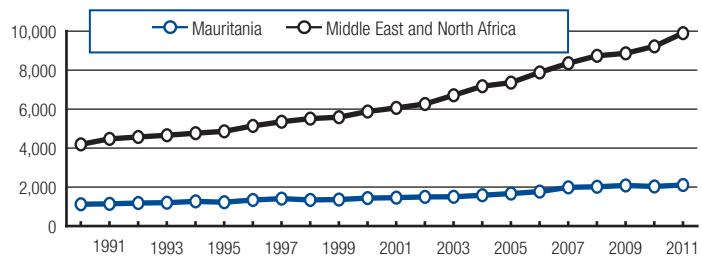
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mauritania

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.5 |
| GDP (US\$ billions)..... | 4.2 |
| GDP per capita (US\$)..... | 1,290 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

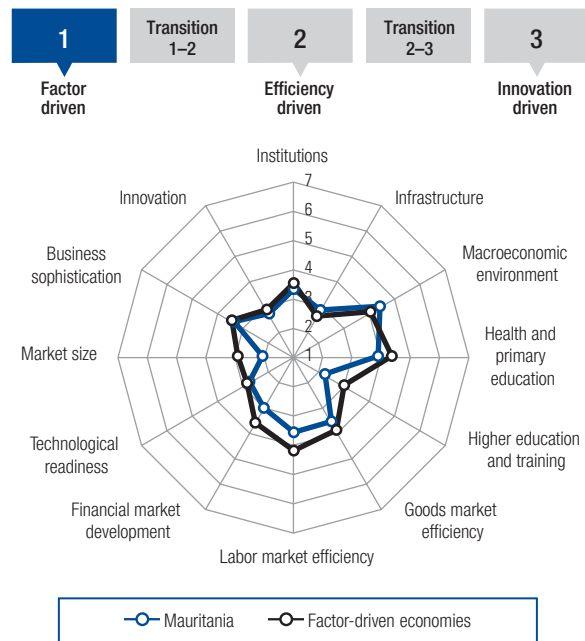
GDP (PPP) per capita (int'l \$), 1990–2011



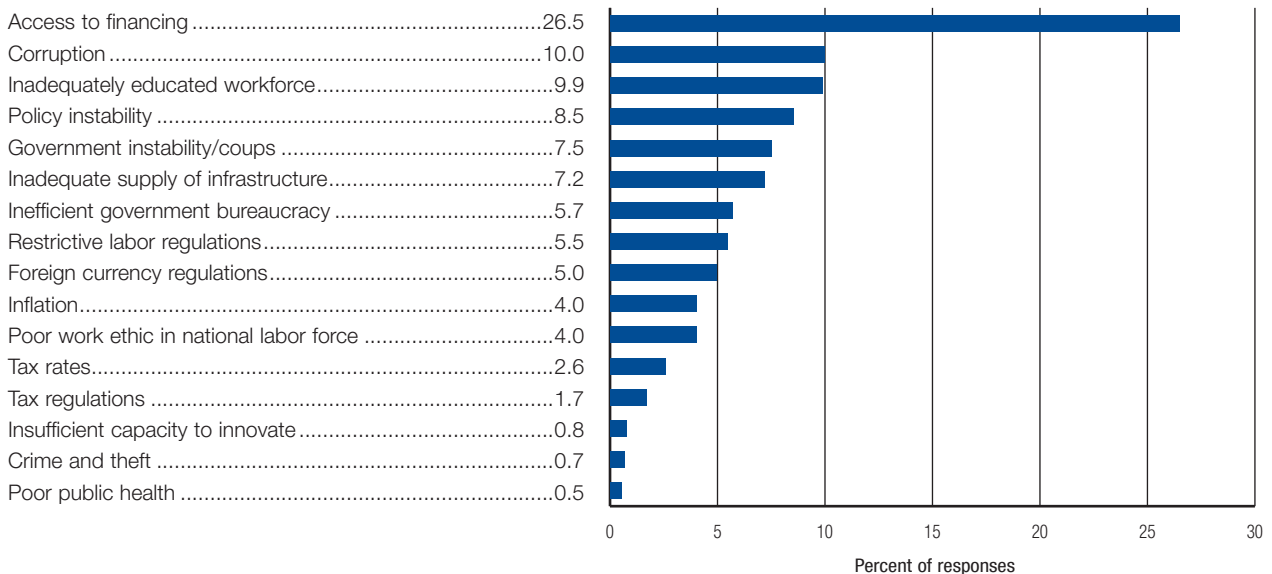
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 134 | 3.3 |
| GCI 2011–2012 (out of 142)..... | 137 | 3.2 |
| GCI 2010–2011 (out of 139)..... | 135 | 3.1 |
| Basic requirements (60.0%) | 124 | 3.6 |
| Institutions..... | 122 | 3.3 |
| Infrastructure..... | 113 | 2.8 |
| Macroeconomic environment..... | 89 | 4.4 |
| Health and primary education..... | 133 | 3.9 |
| Efficiency enhancers (35.0%) | 142 | 2.9 |
| Higher education and training..... | 142 | 2.2 |
| Goods market efficiency..... | 135 | 3.6 |
| Labor market efficiency..... | 131 | 3.6 |
| Financial market development..... | 136 | 3.0 |
| Technological readiness..... | 123 | 2.7 |
| Market size..... | 131 | 2.1 |
| Innovation and sophistication factors (5.0%) | 118 | 3.0 |
| Business sophistication..... | 117 | 3.4 |
| Innovation..... | 121 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Mauritania

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.4 | 117 | 6.01 | Intensity of local competition | 3.9 | 125 |
| 1.02 | Intellectual property protection | 2.9 | 107 | 6.02 | Extent of market dominance | 3.1 | 122 |
| 1.03 | Diversion of public funds | 2.6 | 111 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 107 |
| 1.04 | Public trust in politicians | 2.5 | 87 | 6.04 | Extent and effect of taxation | 3.7 | 50 |
| 1.05 | Irregular payments and bribes | 3.0 | 122 | 6.05 | Total tax rate, % profits* | 68.3 | 132 |
| 1.06 | Judicial independence | 2.8 | 108 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.1 | 140 | 6.07 | No. days to start a business* | 19 | 80 |
| 1.08 | Wastefulness of government spending | 2.4 | 117 | 6.08 | Agricultural policy costs | 3.4 | 112 |
| 1.09 | Burden of government regulation | 4.1 | 24 | 6.09 | Prevalence of trade barriers | 4.6 | 43 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 92 | 6.10 | Trade tariffs, % duty* | 11.5 | 121 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.6 | 72 | 6.11 | Prevalence of foreign ownership | 3.3 | 134 |
| 1.12 | Transparency of government policymaking | 3.5 | 131 | 6.12 | Business impact of rules on FDI | 4.0 | 112 |
| 1.13 | Gov't services for improved business performance | 3.4 | 84 | 6.13 | Burden of customs procedures | 4.0 | 75 |
| 1.14 | Business costs of terrorism | 4.5 | 122 | 6.14 | Imports as a percentage of GDP* | 69.0 | 33 |
| 1.15 | Business costs of crime and violence | 5.3 | 50 | 6.15 | Degree of customer orientation | 3.7 | 133 |
| 1.16 | Organized crime | 5.7 | 53 | 6.16 | Buyer sophistication | 2.3 | 135 |
| 1.17 | Reliability of police services | 2.9 | 130 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 128 | 7.01 | Cooperation in labor-employer relations | 3.3 | 138 |
| 1.19 | Strength of auditing and reporting standards | 3.2 | 138 | 7.02 | Flexibility of wage determination | 5.2 | 60 |
| 1.20 | Efficacy of corporate boards | 3.9 | 128 | 7.03 | Hiring and firing practices | 4.6 | 29 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 118 | 7.04 | Redundancy costs, weeks of salary* | 10 | 43 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.7 | 120 | 7.05 | Pay and productivity | 2.5 | 142 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 2.7 | 140 | |
| 2.01 | Quality of overall infrastructure | 2.8 | 133 | 7.07 | Brain drain | 2.5 | 119 |
| 2.02 | Quality of roads | 2.7 | 119 | 7.08 | Women in labor force, ratio to men* | 0.36 | 134 |
| 2.03 | Quality of railroad infrastructure | 2.0 | 91 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 98 | 8.01 | Availability of financial services | 3.6 | 125 |
| 2.05 | Quality of air transport infrastructure | 2.8 | 138 | 8.02 | Affordability of financial services | 3.5 | 114 |
| 2.06 | Available airline seat kms/week, millions* | 9.8 | 133 | 8.03 | Financing through local equity market | 2.7 | 111 |
| 2.07 | Quality of electricity supply | 3.7 | 99 | 8.04 | Ease of access to loans | 1.9 | 130 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 92.7 | 93 | 8.05 | Venture capital availability | 2.1 | 119 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.0 | 119 | 8.06 | Soundness of banks | 4.4 | 118 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.8 | 133 | |
| 3.01 | Government budget balance, % GDP* | -1.5 | 44 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 26.7 | 37 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.7 | 86 | 9.01 | Availability of latest technologies | 4.2 | 116 |
| 3.04 | General government debt, % GDP* | 92.4 | 132 | 9.02 | Firm-level technology absorption | 4.3 | 107 |
| 3.05 | Country credit rating, 0-100 (best)* | 20.1 | 125 | 9.03 | FDI and technology transfer | 3.5 | 138 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 4.5 | 128 | |
| 4.01 | Business impact of malaria | 4.4 | 111 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.2 | 117 |
| 4.02 | Malaria cases/100,000 pop.* | 15,494.9 | 124 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 3.9 | 114 |
| 4.03 | Business impact of tuberculosis | 4.7 | 101 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.5 | 115 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 337.0 | 132 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.7 | 97 | 10.01 | Domestic market size index, 1-7 (best)* | 1.8 | 133 |
| 4.06 | HIV prevalence, % adult pop.* | 0.7 | 95 | 10.02 | Foreign market size index, 1-7 (best)* | 2.9 | 121 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 75.3 | 134 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 58.2 | 120 | 11.01 | Local supplier quantity | 4.9 | 52 |
| 4.09 | Quality of primary education | 2.0 | 141 | 11.02 | Local supplier quality | 3.6 | 133 |
| 4.10 | Primary education enrollment, net %* | 74.0 | 132 | 11.03 | State of cluster development | 3.4 | 89 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.3 | 85 | |
| 5.01 | Secondary education enrollment, gross %* | 24.4 | 142 | 11.05 | Value chain breadth | 3.2 | 101 |
| 5.02 | Tertiary education enrollment, gross %* | 4.4 | 127 | 11.06 | Control of international distribution | 4.1 | 57 |
| 5.03 | Quality of the educational system | 2.3 | 138 | 11.07 | Production process sophistication | 2.7 | 126 |
| 5.04 | Quality of math and science education | 2.7 | 126 | 11.08 | Extent of marketing | 2.4 | 141 |
| 5.05 | Quality of management schools | 2.7 | 138 | 11.09 | Willingness to delegate authority | 2.9 | 136 |
| 5.06 | Internet access in schools | 2.1 | 135 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 122 | 12.01 | Capacity for innovation | 2.7 | 108 |
| 5.08 | Extent of staff training | 2.7 | 141 | 12.02 | Quality of scientific research institutions | 2.7 | 121 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 114 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.6 | 129 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 82 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 114 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

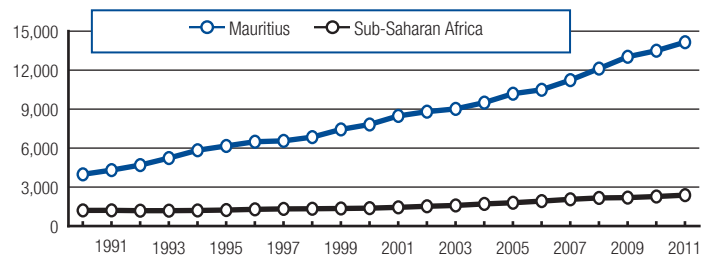
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mauritius

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 1.3 |
| GDP (US\$ billions)..... | 11.3 |
| GDP per capita (US\$)..... | 8,777 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

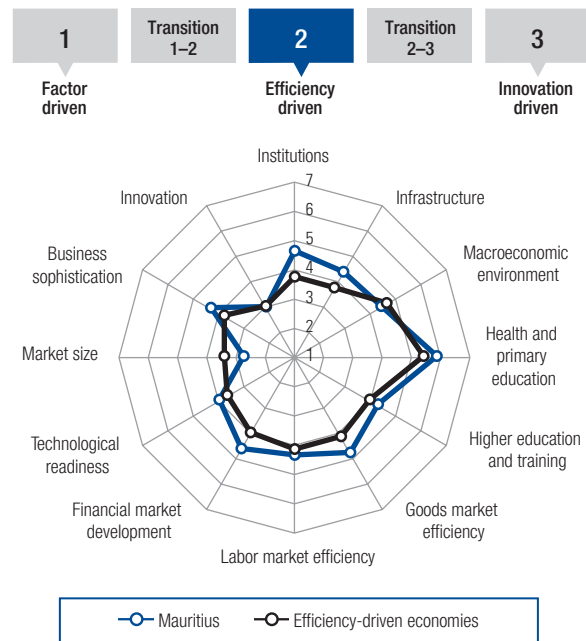
GDP (PPP) per capita (int'l \$), 1990–2011



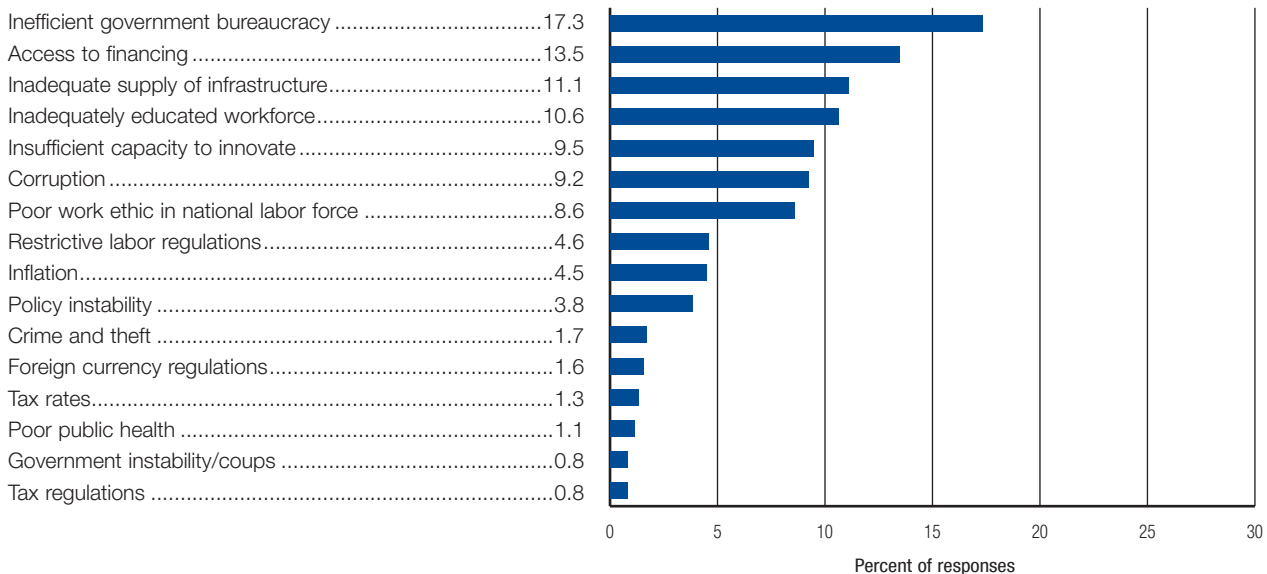
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 54 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 54 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 55 | 4.3 |
| Basic requirements (40.0%) | 52 | 4.8 |
| Institutions..... | 39 | 4.6 |
| Infrastructure..... | 54 | 4.3 |
| Macroeconomic environment..... | 87 | 4.4 |
| Health and primary education..... | 54 | 5.9 |
| Efficiency enhancers (50.0%) | 62 | 4.1 |
| Higher education and training..... | 65 | 4.3 |
| Goods market efficiency..... | 27 | 4.8 |
| Labor market efficiency..... | 70 | 4.4 |
| Financial market development..... | 35 | 4.6 |
| Technological readiness..... | 63 | 4.0 |
| Market size..... | 109 | 2.7 |
| Innovation and sophistication factors (10.0%) | 63 | 3.6 |
| Business sophistication..... | 41 | 4.3 |
| Innovation..... | 98 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Mauritius

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.2 | 36 | 6.01 | Intensity of local competition | 5.2 | 42 |
| 1.02 | Intellectual property protection | 3.8 | 54 | 6.02 | Extent of market dominance | 3.5 | 86 |
| 1.03 | Diversion of public funds | 3.8 | 48 | 6.03 | Effectiveness of anti-monopoly policy | 4.5 | 40 |
| 1.04 | Public trust in politicians | 3.1 | 58 | 6.04 | Extent and effect of taxation | 5.1 | 9 |
| 1.05 | Irregular payments and bribes | 4.7 | 44 | 6.05 | Total tax rate, % profits* | 25.0 | 21 |
| 1.06 | Judicial independence | 5.1 | 34 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.2 | 60 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 3.7 | 38 | 6.08 | Agricultural policy costs | 4.5 | 23 |
| 1.09 | Burden of government regulation | 3.7 | 50 | 6.09 | Prevalence of trade barriers | 4.9 | 27 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.7 | 26 | 6.10 | Trade tariffs, % duty* | 1.1 | 34 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 30 | 6.11 | Prevalence of foreign ownership | 4.6 | 81 |
| 1.12 | Transparency of government policymaking | 4.7 | 42 | 6.12 | Business impact of rules on FDI | 5.5 | 9 |
| 1.13 | Gov't services for improved business performance | 4.2 | 35 | 6.13 | Burden of customs procedures | 4.6 | 40 |
| 1.14 | Business costs of terrorism | 6.2 | 35 | 6.14 | Imports as a percentage of GDP* | 67.9 | 35 |
| 1.15 | Business costs of crime and violence | 5.1 | 60 | 6.15 | Degree of customer orientation | 5.0 | 41 |
| 1.16 | Organized crime | 6.3 | 17 | 6.16 | Buyer sophistication | 3.7 | 49 |
| 1.17 | Reliability of police services | 4.5 | 57 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.4 | 43 | 7.01 | Cooperation in labor-employer relations | 4.6 | 44 |
| 1.19 | Strength of auditing and reporting standards | 5.6 | 22 | 7.02 | Flexibility of wage determination | 4.4 | 108 |
| 1.20 | Efficacy of corporate boards | 4.9 | 32 | 7.03 | Hiring and firing practices | 3.9 | 78 |
| 1.21 | Protection of minority shareholders' interests | 5.2 | 19 | 7.04 | Redundancy costs, weeks of salary* | 11 | 45 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.7 | 13 | 7.05 | Pay and productivity | 3.9 | 71 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 54 | |
| 2.01 | Quality of overall infrastructure | 4.7 | 53 | 7.07 | Brain drain | 3.4 | 66 |
| 2.02 | Quality of roads | 4.3 | 58 | 7.08 | Women in labor force, ratio to men* | 0.60 | 116 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.8 | 48 | 8.01 | Availability of financial services | 5.0 | 47 |
| 2.05 | Quality of air transport infrastructure | 5.2 | 49 | 8.02 | Affordability of financial services | 4.6 | 41 |
| 2.06 | Available airline seat kms/week, millions* | 175.6 | 68 | 8.03 | Financing through local equity market | 4.0 | 43 |
| 2.07 | Quality of electricity supply | 5.0 | 66 | 8.04 | Ease of access to loans | 3.4 | 37 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 99.0 | 86 | 8.05 | Venture capital availability | 2.8 | 56 |
| 2.09 | Fixed telephone lines/100 pop.* | 28.7 | 43 | 8.06 | Soundness of banks | 6.2 | 15 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.3 | 22 | |
| 3.01 | Government budget balance, % GDP* | -3.4 | 75 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 14.4 | 103 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.5 | 95 | 9.01 | Availability of latest technologies | 5.3 | 48 |
| 3.04 | General government debt, % GDP* | 50.6 | 97 | 9.02 | Firm-level technology absorption | 4.9 | 55 |
| 3.05 | Country credit rating, 0-100 (best)* | 53.5 | 61 | 9.03 | FDI and technology transfer | 4.9 | 48 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 35.0 | 81 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.9 | 60 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 12.7 | 74 |
| 4.03 | Business impact of tuberculosis | 5.7 | 53 | 9.07 | Mobile broadband subscriptions/100 pop.* | 12.4 | 63 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 22.0 | 50 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 85 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 110 |
| 4.06 | HIV prevalence, % adult pop.* | 1.0 | 105 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5 | 103 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 13.0 | 62 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.0 | 82 | 11.01 | Local supplier quantity | 4.9 | 53 |
| 4.09 | Quality of primary education | 4.2 | 53 | 11.02 | Local supplier quality | 4.7 | 55 |
| 4.10 | Primary education enrollment, net %* | 93.4 | 72 | 11.03 | State of cluster development | 3.9 | 56 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.0 | 38 | |
| 5.01 | Secondary education enrollment, gross %* | 89.4 | 67 | 11.05 | Value chain breadth | 4.4 | 28 |
| 5.02 | Tertiary education enrollment, gross %* | 24.9 | 82 | 11.06 | Control of international distribution | 4.6 | 23 |
| 5.03 | Quality of the educational system | 4.1 | 46 | 11.07 | Production process sophistication | 4.1 | 47 |
| 5.04 | Quality of math and science education | 4.3 | 49 | 11.08 | Extent of marketing | 4.2 | 62 |
| 5.05 | Quality of management schools | 4.1 | 76 | 11.09 | Willingness to delegate authority | 3.8 | 56 |
| 5.06 | Internet access in schools | 4.1 | 72 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.2 | 67 | 12.01 | Capacity for innovation | 2.7 | 112 |
| 5.08 | Extent of staff training | 4.3 | 37 | 12.02 | Quality of scientific research institutions | 3.4 | 83 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 96 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.3 | 91 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 74 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 116 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.3 | 85 |

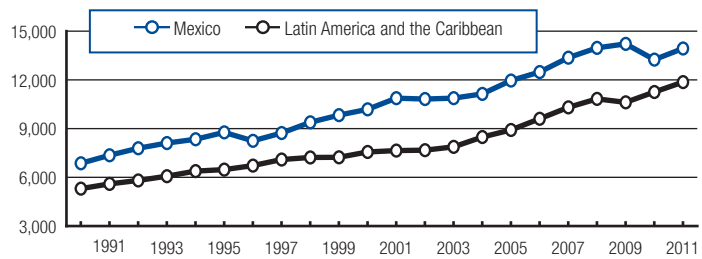
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mexico

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 116.4 |
| GDP (US\$ billions)..... | 1,154.8 |
| GDP per capita (US\$)..... | 10,153 |
| GDP (PPP) as share (%) of world total..... | 2.11 |

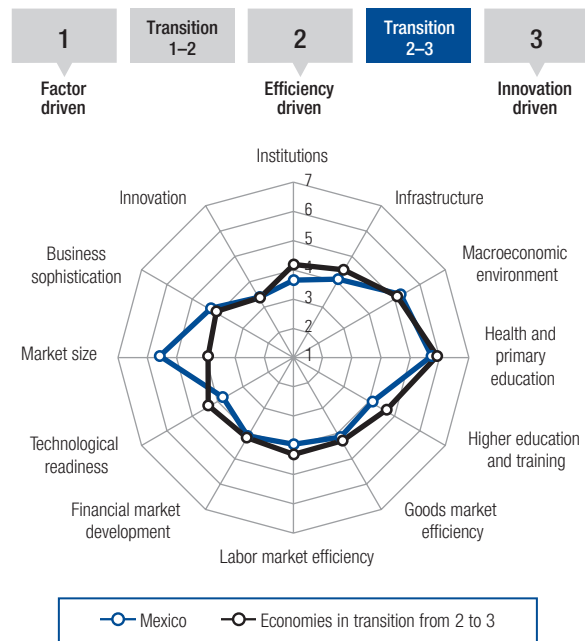
GDP (PPP) per capita (int'l \$), 1990–2011



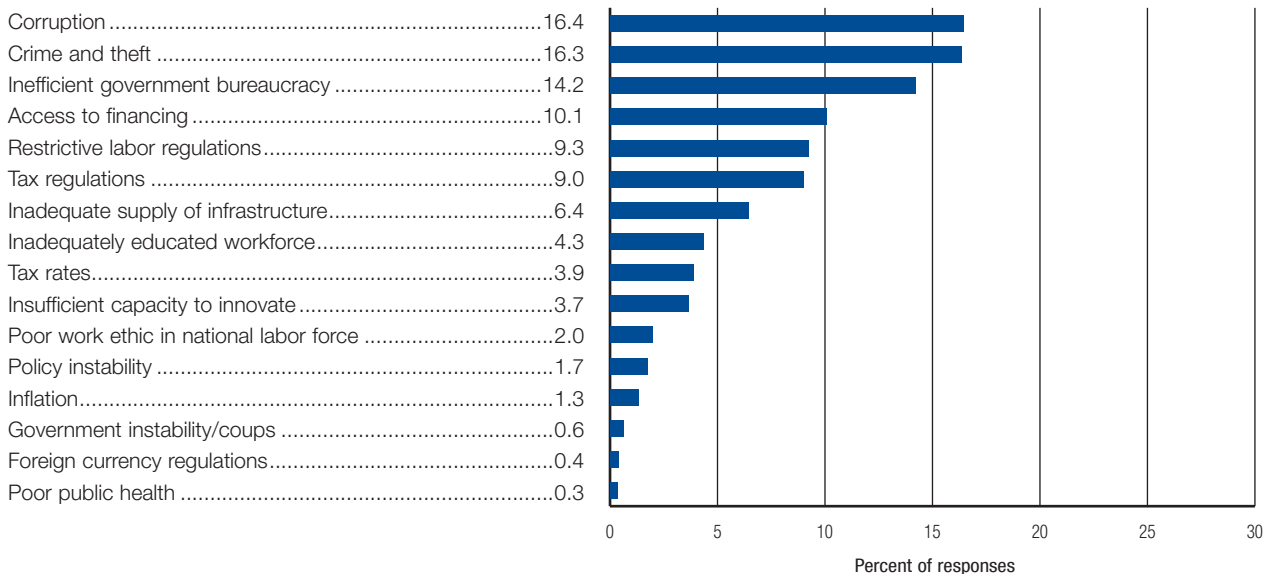
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 53 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 58 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 66 | 4.2 |
| Basic requirements (37.1%) | 63 | 4.6 |
| Institutions..... | 92 | 3.6 |
| Infrastructure..... | 68 | 4.0 |
| Macroeconomic environment..... | 40 | 5.2 |
| Health and primary education..... | 68 | 5.7 |
| Efficiency enhancers (50.0%) | 53 | 4.3 |
| Higher education and training..... | 77 | 4.1 |
| Goods market efficiency..... | 79 | 4.2 |
| Labor market efficiency..... | 102 | 4.0 |
| Financial market development..... | 61 | 4.2 |
| Technological readiness..... | 72 | 3.8 |
| Market size..... | 12 | 5.6 |
| Innovation and sophistication factors (12.9%) | 49 | 3.8 |
| Business sophistication..... | 44 | 4.3 |
| Innovation..... | 56 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Mexico

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.2 | 71 | 6.01 | Intensity of local competition | 4.8 | 75 |
| 1.02 | Intellectual property protection | 3.5 | 77 | 6.02 | Extent of market dominance | 3.2 | 113 |
| 1.03 | Diversion of public funds | 2.9 | 88 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 115 |
| 1.04 | Public trust in politicians | 2.3 | 97 | 6.04 | Extent and effect of taxation | 3.6 | 60 |
| 1.05 | Irregular payments and bribes | 3.7 | 81 | 6.05 | Total tax rate, % profits* | 52.7 | 115 |
| 1.06 | Judicial independence | 3.4 | 88 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 73 | 6.07 | No. days to start a business* | 9 | 43 |
| 1.08 | Wastefulness of government spending | 3.3 | 67 | 6.08 | Agricultural policy costs | 3.3 | 123 |
| 1.09 | Burden of government regulation | 3.0 | 97 | 6.09 | Prevalence of trade barriers | 4.6 | 51 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 100 | 6.10 | Trade tariffs, % duty* | 8.3 | 94 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.4 | 85 | 6.11 | Prevalence of foreign ownership | 5.5 | 24 |
| 1.12 | Transparency of government policymaking | 4.4 | 64 | 6.12 | Business impact of rules on FDI | 5.0 | 36 |
| 1.13 | Gov't services for improved business performance | 3.8 | 57 | 6.13 | Burden of customs procedures | 4.0 | 74 |
| 1.14 | Business costs of terrorism | 4.7 | 117 | 6.14 | Imports as a percentage of GDP* | 33.5 | 106 |
| 1.15 | Business costs of crime and violence | 2.9 | 135 | 6.15 | Degree of customer orientation | 4.9 | 47 |
| 1.16 | Organized crime | 2.9 | 139 | 6.16 | Buyer sophistication | 3.7 | 50 |
| 1.17 | Reliability of police services | 2.8 | 134 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.8 | 76 | 7.01 | Cooperation in labor-employer relations | 4.6 | 47 |
| 1.19 | Strength of auditing and reporting standards | 4.8 | 55 | 7.02 | Flexibility of wage determination | 4.9 | 79 |
| 1.20 | Efficacy of corporate boards | 4.5 | 67 | 7.03 | Hiring and firing practices | 3.3 | 113 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 60 | 7.04 | Redundancy costs, weeks of salary* | 22 | 100 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 3.7 | 83 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 67 | |
| 2.01 | Quality of overall infrastructure | 4.4 | 65 | 7.07 | Brain drain | 3.6 | 54 |
| 2.02 | Quality of roads | 4.5 | 50 | 7.08 | Women in labor force, ratio to men* | 0.56 | 121 |
| 2.03 | Quality of railroad infrastructure | 2.8 | 60 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.3 | 64 | 8.01 | Availability of financial services | 4.7 | 60 |
| 2.05 | Quality of air transport infrastructure | 4.8 | 64 | 8.02 | Affordability of financial services | 4.1 | 66 |
| 2.06 | Available airline seat kms/week, millions* | 1,702.9 | 21 | 8.03 | Financing through local equity market | 3.6 | 60 |
| 2.07 | Quality of electricity supply | 4.6 | 79 | 8.04 | Ease of access to loans | 2.6 | 82 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 82.4 | 107 | 8.05 | Venture capital availability | 2.6 | 67 |
| 2.09 | Fixed telephone lines/100 pop.* | 17.1 | 73 | 8.06 | Soundness of banks | 5.8 | 33 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 84 | |
| 3.01 | Government budget balance, % GDP* | -3.4 | 78 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 24.2 | 50 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 39 | 9.01 | Availability of latest technologies | 5.3 | 52 |
| 3.04 | General government debt, % GDP* | 43.8 | 82 | 9.02 | Firm-level technology absorption | 4.8 | 63 |
| 3.05 | Country credit rating, 0-100 (best)* | 68.4 | 38 | 9.03 | FDI and technology transfer | 5.3 | 15 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 36.2 | 77 | |
| 4.01 | Business impact of malaria | 6.3 | 74 | 9.05 | Broadband Internet subscriptions/100 pop.* | 10.6 | 55 |
| 4.02 | Malaria cases/100,000 pop.* | 2.8 | 82 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 8.7 | 90 |
| 4.03 | Business impact of tuberculosis | 6.0 | 40 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.6 | 82 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 16.0 | 36 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.4 | 68 | 10.01 | Domestic market size index, 1-7 (best)* | 5.5 | 11 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 5.9 | 15 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 14.1 | 66 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.7 | 39 | 11.01 | Local supplier quantity | 5.0 | 42 |
| 4.09 | Quality of primary education | 2.8 | 118 | 11.02 | Local supplier quality | 5.0 | 37 |
| 4.10 | Primary education enrollment, net %* | 97.9 | 29 | 11.03 | State of cluster development | 4.2 | 35 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 70 | |
| 5.01 | Secondary education enrollment, gross %* | 88.8 | 71 | 11.05 | Value chain breadth | 4.2 | 34 |
| 5.02 | Tertiary education enrollment, gross %* | 28.0 | 78 | 11.06 | Control of international distribution | 4.1 | 67 |
| 5.03 | Quality of the educational system | 3.2 | 100 | 11.07 | Production process sophistication | 4.3 | 40 |
| 5.04 | Quality of math and science education | 2.8 | 124 | 11.08 | Extent of marketing | 4.4 | 47 |
| 5.05 | Quality of management schools | 4.4 | 51 | 11.09 | Willingness to delegate authority | 3.8 | 61 |
| 5.06 | Internet access in schools | 3.8 | 82 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.6 | 44 | 12.01 | Capacity for innovation | 3.1 | 75 |
| 5.08 | Extent of staff training | 4.0 | 67 | 12.02 | Quality of scientific research institutions | 4.0 | 49 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 59 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.1 | 42 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 67 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 71 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.6 | 58 |

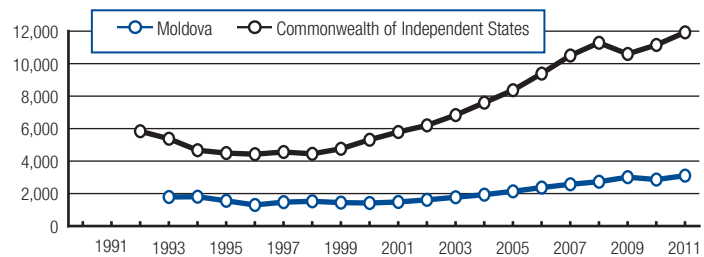
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Moldova

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.6 |
| GDP (US\$ billions)..... | 7.0 |
| GDP per capita (US\$)..... | 1,969 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

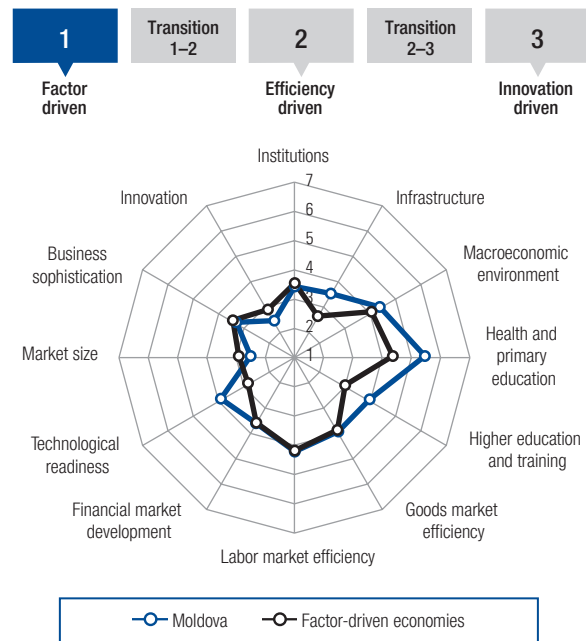
GDP (PPP) per capita (int'l \$), 1990–2011



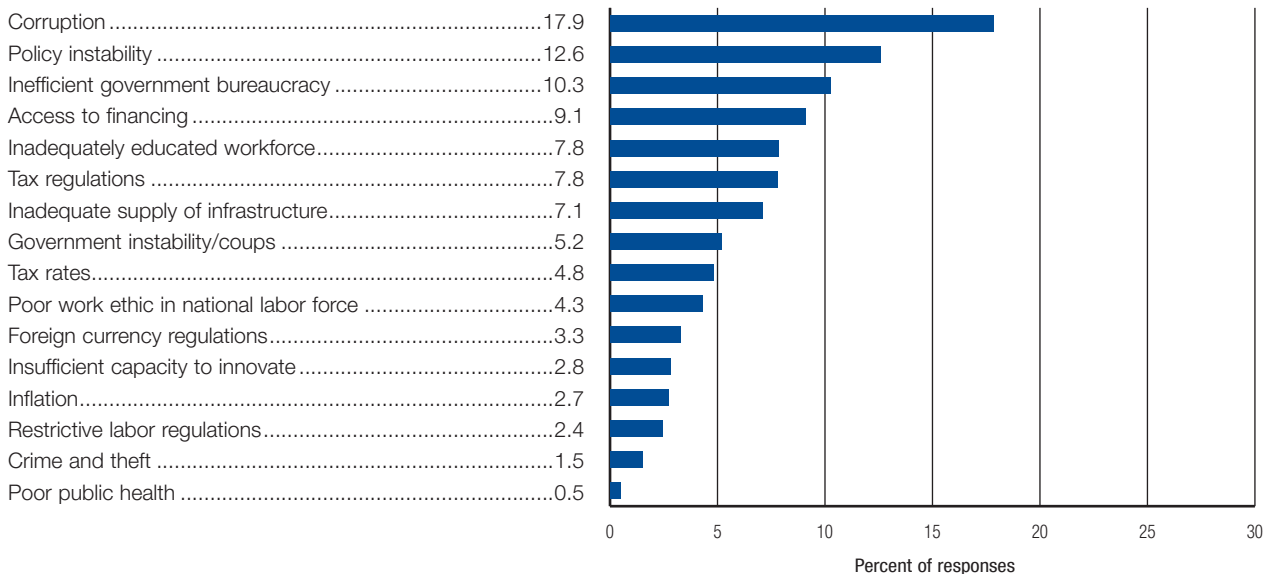
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 87 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 93 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 94 | 3.9 |
| Basic requirements (60.0%) | 93 | 4.2 |
| Institutions..... | 110 | 3.4 |
| Infrastructure..... | 92 | 3.5 |
| Macroeconomic environment..... | 93 | 4.4 |
| Health and primary education..... | 86 | 5.4 |
| Efficiency enhancers (35.0%) | 99 | 3.7 |
| Higher education and training..... | 88 | 4.0 |
| Goods market efficiency..... | 100 | 4.0 |
| Labor market efficiency..... | 81 | 4.3 |
| Financial market development..... | 104 | 3.6 |
| Technological readiness..... | 65 | 3.9 |
| Market size..... | 121 | 2.5 |
| Innovation and sophistication factors (5.0%) | 131 | 2.9 |
| Business sophistication..... | 120 | 3.3 |
| Innovation..... | 135 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.3 | 122 | 6.01 | Intensity of local competition | 4.2 | 108 |
| 1.02 | Intellectual property protection | 2.8 | 117 | 6.02 | Extent of market dominance | 3.0 | 130 |
| 1.03 | Diversion of public funds | 2.6 | 108 | 6.03 | Effectiveness of anti-monopoly policy | 3.2 | 130 |
| 1.04 | Public trust in politicians | 2.3 | 96 | 6.04 | Extent and effect of taxation | 3.3 | 88 |
| 1.05 | Irregular payments and bribes | 3.4 | 103 | 6.05 | Total tax rate, % profits* | 31.3 | 39 |
| 1.06 | Judicial independence | 2.1 | 138 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 121 | 6.07 | No. days to start a business* | 9 | 43 |
| 1.08 | Wastefulness of government spending | 3.0 | 87 | 6.08 | Agricultural policy costs | 3.0 | 134 |
| 1.09 | Burden of government regulation | 3.0 | 105 | 6.09 | Prevalence of trade barriers | 4.4 | 65 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.9 | 120 | 6.10 | Trade tariffs, % duty* | 2.5 | 41 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 112 | 6.11 | Prevalence of foreign ownership | 3.9 | 120 |
| 1.12 | Transparency of government policymaking | 4.4 | 61 | 6.12 | Business impact of rules on FDI | 3.9 | 113 |
| 1.13 | Gov't services for improved business performance | 3.0 | 113 | 6.13 | Burden of customs procedures | 3.5 | 105 |
| 1.14 | Business costs of terrorism | 6.2 | 25 | 6.14 | Imports as a percentage of GDP* | 86.4 | 16 |
| 1.15 | Business costs of crime and violence | 5.3 | 53 | 6.15 | Degree of customer orientation | 3.8 | 126 |
| 1.16 | Organized crime | 5.0 | 80 | 6.16 | Buyer sophistication | 3.0 | 104 |
| 1.17 | Reliability of police services | 3.1 | 119 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.4 | 117 | 7.01 | Cooperation in labor-employer relations | 4.2 | 79 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 98 | 7.02 | Flexibility of wage determination | 5.5 | 27 |
| 1.20 | Efficacy of corporate boards | 4.5 | 65 | 7.03 | Hiring and firing practices | 3.7 | 91 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 116 | 7.04 | Redundancy costs, weeks of salary* | 23 | 102 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 4.3 | 40 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 99 | |
| 2.01 | Quality of overall infrastructure | 3.3 | 113 | 7.07 | Brain drain | 2.1 | 137 |
| 2.02 | Quality of roads | 1.5 | 144 | 7.08 | Women in labor force, ratio to men* | 0.91 | 26 |
| 2.03 | Quality of railroad infrastructure | 2.5 | 70 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.0 | 129 | 8.01 | Availability of financial services | 3.7 | 118 |
| 2.05 | Quality of air transport infrastructure | 3.6 | 113 | 8.02 | Affordability of financial services | 3.4 | 117 |
| 2.06 | Available airline seat kms/week, millions* | 16.9 | 123 | 8.03 | Financing through local equity market | 2.4 | 127 |
| 2.07 | Quality of electricity supply | 4.3 | 86 | 8.04 | Ease of access to loans | 2.4 | 96 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 104.8 | 77 | 8.05 | Venture capital availability | 2.1 | 117 |
| 2.09 | Fixed telephone lines/100 pop.* | 33.3 | 36 | 8.06 | Soundness of banks | 4.4 | 110 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 118 | |
| 3.01 | Government budget balance, % GDP* | -2.4 | 59 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 13.9 | 104 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.7 | 104 | 9.01 | Availability of latest technologies | 4.1 | 118 |
| 3.04 | General government debt, % GDP* | 23.4 | 31 | 9.02 | Firm-level technology absorption | 4.0 | 128 |
| 3.05 | Country credit rating, 0-100 (best)* | 26.5 | 112 | 9.03 | FDI and technology transfer | 4.1 | 103 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 38.0 | 74 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 9.9 | 58 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 91.1 | 15 |
| 4.03 | Business impact of tuberculosis | 4.9 | 90 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.5 | 92 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 182.0 | 112 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.7 | 43 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 122 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 3.0 | 118 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 16.3 | 72 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.9 | 98 | 11.01 | Local supplier quantity | 3.9 | 130 |
| 4.09 | Quality of primary education | 3.8 | 69 | 11.02 | Local supplier quality | 3.8 | 117 |
| 4.10 | Primary education enrollment, net %* | 87.6 | 105 | 11.03 | State of cluster development | 2.4 | 140 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.0 | 106 | |
| 5.01 | Secondary education enrollment, gross %* | 88.0 | 74 | 11.05 | Value chain breadth | 3.1 | 109 |
| 5.02 | Tertiary education enrollment, gross %* | 38.1 | 66 | 11.06 | Control of international distribution | 3.6 | 106 |
| 5.03 | Quality of the educational system | 3.2 | 103 | 11.07 | Production process sophistication | 2.8 | 121 |
| 5.04 | Quality of math and science education | 4.1 | 64 | 11.08 | Extent of marketing | 3.5 | 108 |
| 5.05 | Quality of management schools | 3.3 | 121 | 11.09 | Willingness to delegate authority | 3.3 | 100 |
| 5.06 | Internet access in schools | 4.4 | 61 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.4 | 114 | 12.01 | Capacity for innovation | 2.5 | 122 |
| 5.08 | Extent of staff training | 3.2 | 122 | 12.02 | Quality of scientific research institutions | 2.4 | 131 |
| | | | | 12.03 | Company spending on R&D | 2.1 | 140 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.8 | 124 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.6 | 136 |
| | | | | 12.06 | Availability of scientists and engineers | 3.2 | 131 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.7 | 69 |

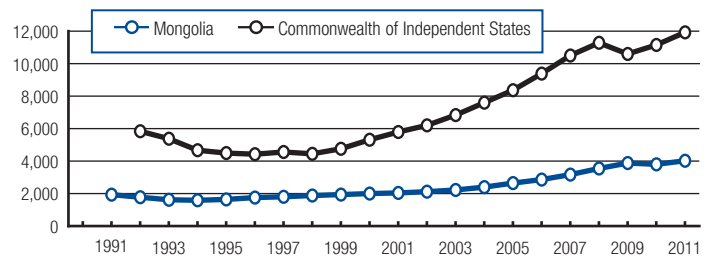
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mongolia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.8 |
| GDP (US\$ billions)..... | 8.5 |
| GDP per capita (US\$)..... | 3,042 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

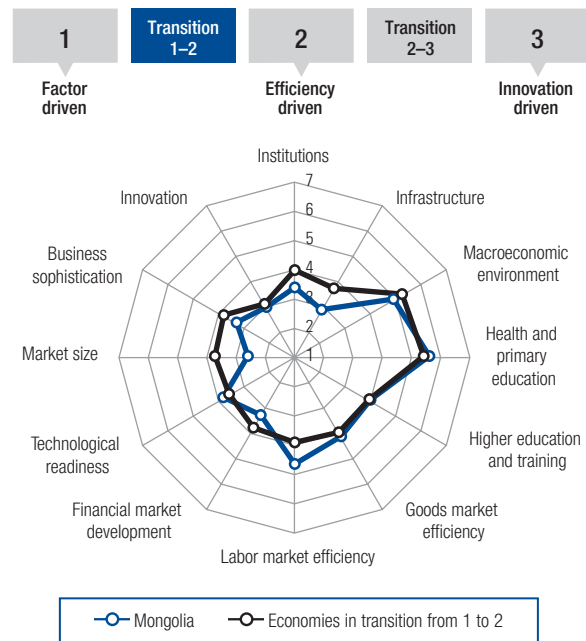
GDP (PPP) per capita (int'l \$), 1990–2011



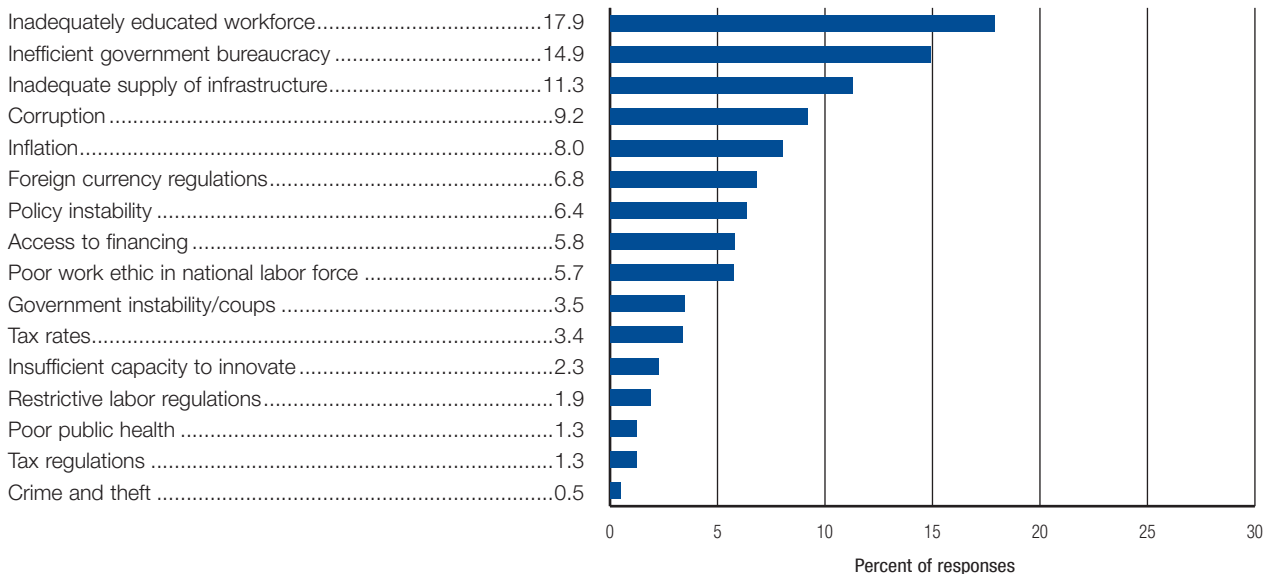
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 93 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 96 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 99 | 3.7 |
| Basic requirements (42.6%) | 92 | 4.2 |
| Institutions..... | 113 | 3.3 |
| Infrastructure..... | 112 | 2.8 |
| Macroeconomic environment..... | 52 | 4.9 |
| Health and primary education..... | 76 | 5.6 |
| Efficiency enhancers (48.1%) | 96 | 3.8 |
| Higher education and training..... | 83 | 4.0 |
| Goods market efficiency..... | 85 | 4.2 |
| Labor market efficiency..... | 33 | 4.7 |
| Financial market development..... | 127 | 3.3 |
| Technological readiness..... | 70 | 3.8 |
| Market size..... | 116 | 2.6 |
| Innovation and sophistication factors (9.4%) | 112 | 3.1 |
| Business sophistication..... | 121 | 3.3 |
| Innovation..... | 100 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Mongolia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.4 | 118 | 6.01 | Intensity of local competition | 4.6 | 86 |
| 1.02 | Intellectual property protection | 2.4 | 132 | 6.02 | Extent of market dominance | 2.6 | 143 |
| 1.03 | Diversion of public funds | 2.3 | 129 | 6.03 | Effectiveness of anti-monopoly policy | 3.2 | 131 |
| 1.04 | Public trust in politicians | 2.1 | 114 | 6.04 | Extent and effect of taxation | 4.0 | 36 |
| 1.05 | Irregular payments and bribes | 3.2 | 114 | 6.05 | Total tax rate, % profits* | 24.6 | 20 |
| 1.06 | Judicial independence | 2.8 | 112 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 2.3 | 130 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 2.0 | 138 | 6.08 | Agricultural policy costs | 4.1 | 55 |
| 1.09 | Burden of government regulation | 3.0 | 102 | 6.09 | Prevalence of trade barriers | 4.3 | 74 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 94 | 6.10 | Trade tariffs, % duty* | 4.6 | 59 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 113 | 6.11 | Prevalence of foreign ownership | 5.1 | 45 |
| 1.12 | Transparency of government policymaking | 3.9 | 102 | 6.12 | Business impact of rules on FDI | 4.4 | 88 |
| 1.13 | Gov't services for improved business performance | 3.1 | 104 | 6.13 | Burden of customs procedures | 3.3 | 117 |
| 1.14 | Business costs of terrorism | 6.4 | 12 | 6.14 | Imports as a percentage of GDP* | 97.6 | 8 |
| 1.15 | Business costs of crime and violence | 5.0 | 66 | 6.15 | Degree of customer orientation | 3.9 | 118 |
| 1.16 | Organized crime | 5.3 | 65 | 6.16 | Buyer sophistication | 3.1 | 96 |
| 1.17 | Reliability of police services | 3.8 | 89 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.3 | 121 | 7.01 | Cooperation in labor-employer relations | 4.0 | 105 |
| 1.19 | Strength of auditing and reporting standards | 3.6 | 130 | 7.02 | Flexibility of wage determination | 5.8 | 14 |
| 1.20 | Efficacy of corporate boards | 3.9 | 125 | 7.03 | Hiring and firing practices | 4.5 | 35 |
| 1.21 | Protection of minority shareholders' interests | 3.2 | 132 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 4.3 | 35 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 112 | |
| 2.01 | Quality of overall infrastructure | 2.7 | 137 | 7.07 | Brain drain | 2.8 | 110 |
| 2.02 | Quality of roads | 2.0 | 141 | 7.08 | Women in labor force, ratio to men* | 0.85 | 55 |
| 2.03 | Quality of railroad infrastructure | 2.5 | 71 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.0 | 126 | 8.01 | Availability of financial services | 3.8 | 111 |
| 2.05 | Quality of air transport infrastructure | 3.3 | 128 | 8.02 | Affordability of financial services | 3.5 | 115 |
| 2.06 | Available airline seat kms/week, millions* | 30.1 | 109 | 8.03 | Financing through local equity market | 2.8 | 107 |
| 2.07 | Quality of electricity supply | 3.6 | 103 | 8.04 | Ease of access to loans | 1.8 | 135 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 105.1 | 73 | 8.05 | Venture capital availability | 1.7 | 139 |
| 2.09 | Fixed telephone lines/100 pop.* | 6.7 | 104 | 8.06 | Soundness of banks | 4.3 | 121 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.8 | 132 | |
| 3.01 | Government budget balance, % GDP* | -3.6 | 81 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 48.0 | 7 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 9.5 | 120 | 9.01 | Availability of latest technologies | 4.3 | 108 |
| 3.04 | General government debt, % GDP* | 47.1 | 90 | 9.02 | Firm-level technology absorption | 4.6 | 81 |
| 3.05 | Country credit rating, 0-100 (best)* | 33.9 | 95 | 9.03 | FDI and technology transfer | 4.6 | 74 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 20.0 | 97 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 2.8 | 86 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 53.6 | 29 |
| 4.03 | Business impact of tuberculosis | 4.9 | 92 | 9.07 | Mobile broadband subscriptions/100 pop.* | 12.7 | 62 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 224.0 | 119 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.6 | 51 | 10.01 | Domestic market size index, 1-7 (best)* | 2.4 | 119 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 3.3 | 108 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 26.2 | 95 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.2 | 105 | 11.01 | Local supplier quantity | 3.9 | 127 |
| 4.09 | Quality of primary education | 3.3 | 94 | 11.02 | Local supplier quality | 3.4 | 138 |
| 4.10 | Primary education enrollment, net %* | 98.7 | 20 | 11.03 | State of cluster development | 2.9 | 123 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 78 | |
| 5.01 | Secondary education enrollment, gross %* | 89.2 | 68 | 11.05 | Value chain breadth | 2.9 | 120 |
| 5.02 | Tertiary education enrollment, gross %* | 53.3 | 49 | 11.06 | Control of international distribution | 3.0 | 138 |
| 5.03 | Quality of the educational system | 2.4 | 136 | 11.07 | Production process sophistication | 3.2 | 105 |
| 5.04 | Quality of math and science education | 4.1 | 63 | 11.08 | Extent of marketing | 3.7 | 93 |
| 5.05 | Quality of management schools | 3.0 | 132 | 11.09 | Willingness to delegate authority | 2.9 | 131 |
| 5.06 | Internet access in schools | 3.9 | 80 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.5 | 141 | 12.01 | Capacity for innovation | 3.1 | 73 |
| 5.08 | Extent of staff training | 4.0 | 60 | 12.02 | Quality of scientific research institutions | 3.2 | 105 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 84 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 102 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 100 |
| | | | | 12.06 | Availability of scientists and engineers | 4.1 | 63 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 89 |

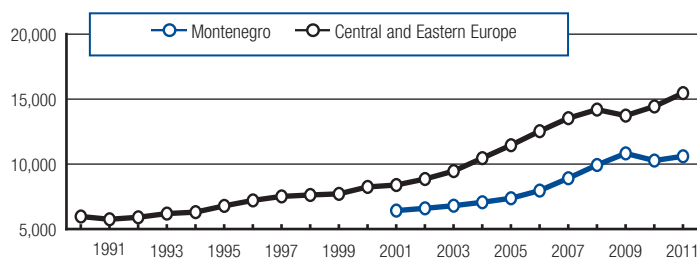
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Montenegro

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 0.6 |
| GDP (US\$ billions)..... | 4.5 |
| GDP per capita (US\$)..... | 7,317 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

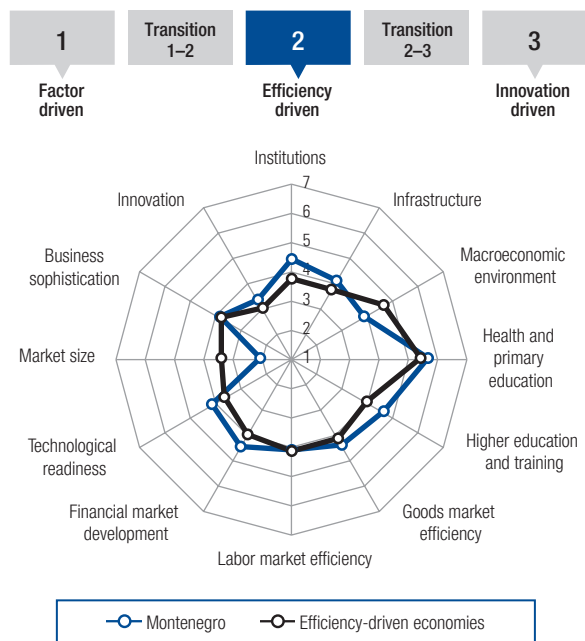
GDP (PPP) per capita (int'l \$), 1990–2011



The Global Competitiveness Index

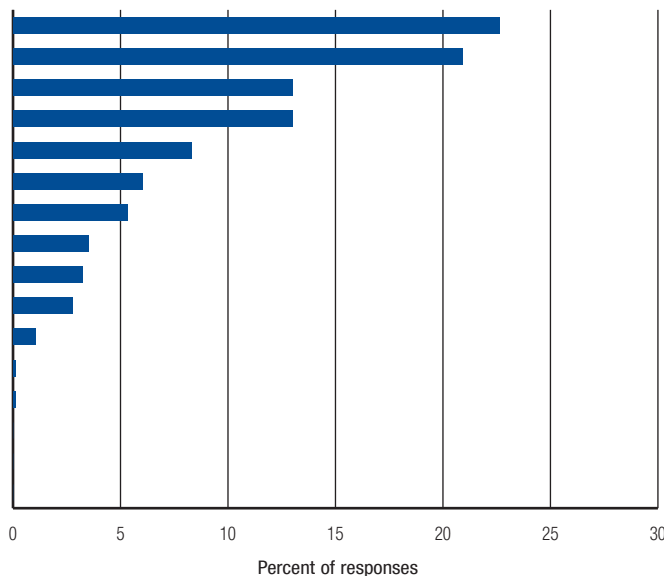
| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 72 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 60 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 49 | 4.4 |
| Basic requirements (40.0%) | 74 | 4.5 |
| Institutions..... | 44 | 4.4 |
| Infrastructure..... | 66 | 4.1 |
| Macroeconomic environment..... | 118 | 3.8 |
| Health and primary education..... | 73 | 5.7 |
| Efficiency enhancers (50.0%) | 74 | 4.0 |
| Higher education and training..... | 51 | 4.6 |
| Goods market efficiency..... | 48 | 4.4 |
| Labor market efficiency..... | 93 | 4.1 |
| Financial market development..... | 40 | 4.5 |
| Technological readiness..... | 56 | 4.1 |
| Market size..... | 130 | 2.1 |
| Innovation and sophistication factors (10.0%) | 69 | 3.6 |
| Business sophistication..... | 76 | 3.8 |
| Innovation..... | 60 | 3.3 |

Stage of development



The most problematic factors for doing business

| | |
|--|------|
| Poor work ethic in national labor force..... | 22.6 |
| Inefficient government bureaucracy..... | 20.9 |
| Government instability/coups..... | 13.0 |
| Inadequately educated workforce..... | 13.0 |
| Inadequate supply of infrastructure..... | 8.3 |
| Policy instability..... | 6.0 |
| Foreign currency regulations..... | 5.3 |
| Crime and theft..... | 3.5 |
| Corruption..... | 3.2 |
| Access to financing..... | 2.8 |
| Restrictive labor regulations..... | 1.1 |
| Tax rates..... | 0.1 |
| Tax regulations..... | 0.1 |
| Inflation..... | 0.0 |
| Insufficient capacity to innovate..... | 0.0 |
| Poor public health..... | 0.0 |



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Montenegro

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.6 | 54 | 6.01 | Intensity of local competition | 4.1 | 114 |
| 1.02 | Intellectual property protection | 3.6 | 70 | 6.02 | Extent of market dominance | 3.8 | 59 |
| 1.03 | Diversion of public funds | 4.3 | 41 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 87 |
| 1.04 | Public trust in politicians | 3.7 | 36 | 6.04 | Extent and effect of taxation | 4.2 | 25 |
| 1.05 | Irregular payments and bribes | 4.4 | 54 | 6.05 | Total tax rate, % profits* | 22.3 | 16 |
| 1.06 | Judicial independence | 3.9 | 65 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 4.0 | 31 | 6.07 | No. days to start a business* | 10 | 48 |
| 1.08 | Wastefulness of government spending | 3.9 | 30 | 6.08 | Agricultural policy costs | 4.6 | 21 |
| 1.09 | Burden of government regulation | 3.9 | 33 | 6.09 | Prevalence of trade barriers | 4.4 | 68 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 | 51 | 6.10 | Trade tariffs, % duty* | 4.4 | 57 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 54 | 6.11 | Prevalence of foreign ownership | 4.6 | 78 |
| 1.12 | Transparency of government policymaking | 4.9 | 30 | 6.12 | Business impact of rules on FDI | 4.8 | 57 |
| 1.13 | Gov't services for improved business performance | 4.3 | 26 | 6.13 | Burden of customs procedures | 4.3 | 60 |
| 1.14 | Business costs of terrorism | 6.3 | 20 | 6.14 | Imports as a percentage of GDP* | 64.2 | 41 |
| 1.15 | Business costs of crime and violence | 5.5 | 35 | 6.15 | Degree of customer orientation | 4.5 | 76 |
| 1.16 | Organized crime | 5.2 | 71 | 6.16 | Buyer sophistication | 3.2 | 88 |
| 1.17 | Reliability of police services | 5.0 | 41 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.2 | 50 | 7.01 | Cooperation in labor-employer relations | 3.9 | 109 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 95 | 7.02 | Flexibility of wage determination | 4.8 | 87 |
| 1.20 | Efficacy of corporate boards | 4.3 | 93 | 7.03 | Hiring and firing practices | 4.1 | 60 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 65 | 7.04 | Redundancy costs, weeks of salary* | 28 | 123 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.8 | 78 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.0 | 85 | |
| 2.01 | Quality of overall infrastructure | 3.7 | 93 | 7.07 | Brain drain | 3.6 | 60 |
| 2.02 | Quality of roads | 3.2 | 93 | 7.08 | Women in labor force, ratio to men* | 0.77 | 77 |
| 2.03 | Quality of railroad infrastructure | 2.9 | 58 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 102 | 8.01 | Availability of financial services | 4.3 | 84 |
| 2.05 | Quality of air transport infrastructure | 4.4 | 76 | 8.02 | Affordability of financial services | 4.1 | 69 |
| 2.06 | Available airline seat kms/week, millions* | 16.3 | 125 | 8.03 | Financing through local equity market | 3.5 | 64 |
| 2.07 | Quality of electricity supply | 4.6 | 76 | 8.04 | Ease of access to loans | 3.3 | 39 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 185.3 | 4 | 8.05 | Venture capital availability | 3.3 | 29 |
| 2.09 | Fixed telephone lines/100 pop.* | 26.8 | 46 | 8.06 | Soundness of banks | 4.5 | 108 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.4 | 54 | |
| 3.01 | Government budget balance, % GDP* | -6.5 | 126 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | -1.2 | 140 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.1 | 29 | 9.01 | Availability of latest technologies | 4.6 | 97 |
| 3.04 | General government debt, % GDP* | 45.8 | 88 | 9.02 | Firm-level technology absorption | 4.4 | 100 |
| 3.05 | Country credit rating, 0-100 (best)* | 40.2 | 78 | 9.03 | FDI and technology transfer | 4.8 | 56 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 40.0 | 72 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.3 | 64 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 29.6 | 45 |
| 4.03 | Business impact of tuberculosis | 6.0 | 36 | 9.07 | Mobile broadband subscriptions/100 pop.* | 15.3 | 55 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 19.0 | 43 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 34 | 10.01 | Domestic market size index, 1-7 (best)* | 1.9 | 131 |
| 4.06 | HIV prevalence, % adult pop.* | 0.0 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 2.7 | 132 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 7.2 | 44 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.3 | 57 | 11.01 | Local supplier quantity | 4.3 | 103 |
| 4.09 | Quality of primary education | 4.4 | 49 | 11.02 | Local supplier quality | 4.2 | 91 |
| 4.10 | Primary education enrollment, net %* | 83.2 | 119 | 11.03 | State of cluster development | 2.9 | 125 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 59 | |
| 5.01 | Secondary education enrollment, gross %* | 104.0 | 18 | 11.05 | Value chain breadth | 3.5 | 78 |
| 5.02 | Tertiary education enrollment, gross %* | 47.6 | 55 | 11.06 | Control of international distribution | 4.2 | 53 |
| 5.03 | Quality of the educational system | 4.2 | 38 | 11.07 | Production process sophistication | 3.4 | 89 |
| 5.04 | Quality of math and science education | 4.4 | 44 | 11.08 | Extent of marketing | 4.2 | 60 |
| 5.05 | Quality of management schools | 4.3 | 59 | 11.09 | Willingness to delegate authority | 4.1 | 41 |
| 5.06 | Internet access in schools | 4.4 | 60 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.8 | 89 | 12.01 | Capacity for innovation | 3.3 | 53 |
| 5.08 | Extent of staff training | 4.1 | 51 | 12.02 | Quality of scientific research institutions | 3.9 | 54 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 63 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 60 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 40 |
| | | | | 12.06 | Availability of scientists and engineers | 3.9 | 76 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

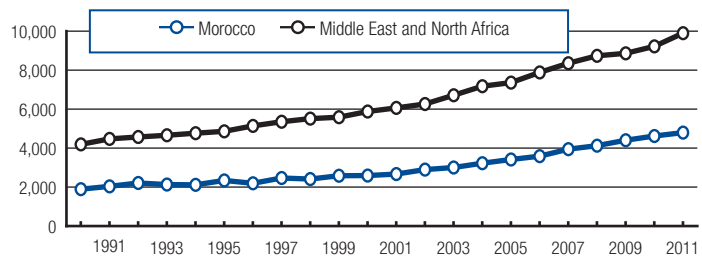
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Morocco

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 32.5 |
| GDP (US\$ billions)..... | 99.2 |
| GDP per capita (US\$)..... | 3,083 |
| GDP (PPP) as share (%) of world total..... | 0.21 |

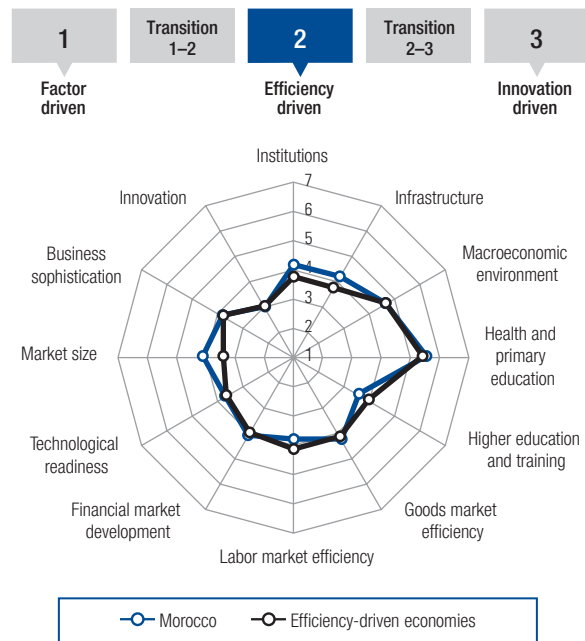
GDP (PPP) per capita (int'l \$), 1990–2011



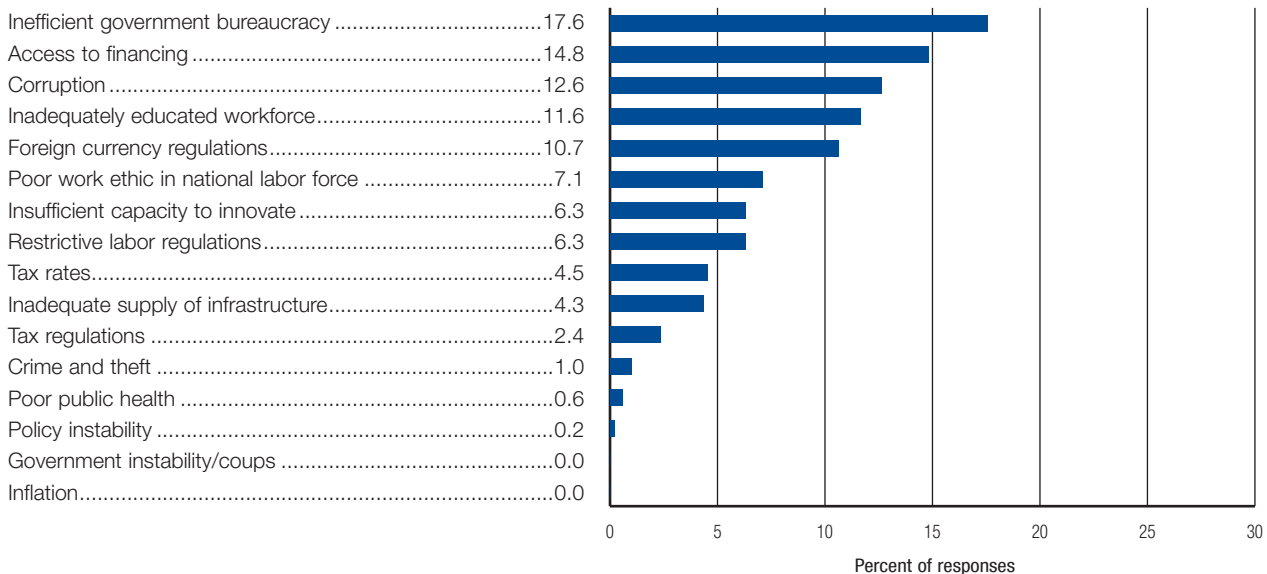
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 70 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 73 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 75 | 4.1 |
| Basic requirements (40.0%) | 68 | 4.6 |
| Institutions..... | 54 | 4.1 |
| Infrastructure..... | 61 | 4.1 |
| Macroeconomic environment..... | 70 | 4.6 |
| Health and primary education..... | 81 | 5.5 |
| Efficiency enhancers (50.0%) | 79 | 3.9 |
| Higher education and training..... | 101 | 3.6 |
| Goods market efficiency..... | 69 | 4.3 |
| Labor market efficiency..... | 122 | 3.8 |
| Financial market development..... | 63 | 4.1 |
| Technological readiness..... | 75 | 3.7 |
| Market size..... | 57 | 4.1 |
| Innovation and sophistication factors (10.0%) | 84 | 3.4 |
| Business sophistication..... | 81 | 3.8 |
| Innovation..... | 97 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Morocco

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.6 | 53 | 6.01 | Intensity of local competition | 5.0 | 57 |
| 1.02 | Intellectual property protection | 3.4 | 82 | 6.02 | Extent of market dominance | 3.9 | 58 |
| 1.03 | Diversion of public funds | 3.7 | 52 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 56 |
| 1.04 | Public trust in politicians | 3.2 | 52 | 6.04 | Extent and effect of taxation | 3.6 | 62 |
| 1.05 | Irregular payments and bribes | 4.2 | 60 | 6.05 | Total tax rate, % profits* | 49.6 | 111 |
| 1.06 | Judicial independence | 3.5 | 81 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.6 | 42 | 6.07 | No. days to start a business* | 12 | 53 |
| 1.08 | Wastefulness of government spending | 3.4 | 60 | 6.08 | Agricultural policy costs | 3.8 | 80 |
| 1.09 | Burden of government regulation | 3.4 | 64 | 6.09 | Prevalence of trade barriers | 4.5 | 57 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 | 54 | 6.10 | Trade tariffs, % duty* | 16.5 | 136 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.8 | 60 | 6.11 | Prevalence of foreign ownership | 5.1 | 49 |
| 1.12 | Transparency of government policymaking | 4.4 | 53 | 6.12 | Business impact of rules on FDI | 5.1 | 33 |
| 1.13 | Gov't services for improved business performance | 4.0 | 47 | 6.13 | Burden of customs procedures | 4.5 | 42 |
| 1.14 | Business costs of terrorism | 5.6 | 72 | 6.14 | Imports as a percentage of GDP* | 50.8 | 61 |
| 1.15 | Business costs of crime and violence | 5.1 | 57 | 6.15 | Degree of customer orientation | 4.6 | 65 |
| 1.16 | Organized crime | 5.8 | 42 | 6.16 | Buyer sophistication | 3.3 | 77 |
| 1.17 | Reliability of police services | 4.3 | 64 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 67 | 7.01 | Cooperation in labor-employer relations | 3.8 | 120 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 89 | 7.02 | Flexibility of wage determination | 5.1 | 64 |
| 1.20 | Efficacy of corporate boards | 4.8 | 45 | 7.03 | Hiring and firing practices | 3.9 | 74 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 47 | 7.04 | Redundancy costs, weeks of salary* | 21 | 92 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.2 | 50 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 98 | |
| 2.01 | Quality of overall infrastructure | 4.8 | 52 | 7.07 | Brain drain | 3.6 | 55 |
| 2.02 | Quality of roads | 4.0 | 70 | 7.08 | Women in labor force, ratio to men* | 0.34 | 137 |
| 2.03 | Quality of railroad infrastructure | 3.9 | 36 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.8 | 49 | 8.01 | Availability of financial services | 4.7 | 59 |
| 2.05 | Quality of air transport infrastructure | 5.1 | 52 | 8.02 | Affordability of financial services | 4.4 | 55 |
| 2.06 | Available airline seat kms/week, millions* | 402.1 | 46 | 8.03 | Financing through local equity market | 4.3 | 31 |
| 2.07 | Quality of electricity supply | 5.2 | 56 | 8.04 | Ease of access to loans | 3.0 | 59 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 113.3 | 56 | 8.05 | Venture capital availability | 3.0 | 38 |
| 2.09 | Fixed telephone lines/100 pop.* | 11.0 | 88 | 8.06 | Soundness of banks | 5.5 | 53 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.8 | 37 | |
| 3.01 | Government budget balance, % GDP* | -6.9 | 131 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 27.2 | 33 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 0.9 | 1 | 9.01 | Availability of latest technologies | 5.3 | 53 |
| 3.04 | General government debt, % GDP* | 54.4 | 102 | 9.02 | Firm-level technology absorption | 4.7 | 75 |
| 3.05 | Country credit rating, 0-100 (best)* | 52.5 | 64 | 9.03 | FDI and technology transfer | 4.9 | 46 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 51.0 | 54 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.8 | 93 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 7.6 | 93 |
| 4.03 | Business impact of tuberculosis | 5.3 | 77 | 9.07 | Mobile broadband subscriptions/100 pop.* | 8.0 | 74 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 91.0 | 89 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 81 | 10.01 | Domestic market size index, 1-7 (best)* | 4.0 | 54 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.5 | 61 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 30.4 | 101 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 71.9 | 89 | 11.01 | Local supplier quantity | 4.8 | 65 |
| 4.09 | Quality of primary education | 3.1 | 108 | 11.02 | Local supplier quality | 4.4 | 76 |
| 4.10 | Primary education enrollment, net %* | 95.7 | 48 | 11.03 | State of cluster development | 4.0 | 51 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.4 | 77 | |
| 5.01 | Secondary education enrollment, gross %* | 56.1 | 113 | 11.05 | Value chain breadth | 3.6 | 70 |
| 5.02 | Tertiary education enrollment, gross %* | 13.2 | 102 | 11.06 | Control of international distribution | 3.6 | 111 |
| 5.03 | Quality of the educational system | 3.1 | 105 | 11.07 | Production process sophistication | 3.3 | 97 |
| 5.04 | Quality of math and science education | 4.3 | 53 | 11.08 | Extent of marketing | 3.8 | 82 |
| 5.05 | Quality of management schools | 4.5 | 47 | 11.09 | Willingness to delegate authority | 3.3 | 101 |
| 5.06 | Internet access in schools | 3.5 | 95 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 58 | 12.01 | Capacity for innovation | 2.6 | 115 |
| 5.08 | Extent of staff training | 3.9 | 75 | 12.02 | Quality of scientific research institutions | 3.2 | 104 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 119 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 116 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 72 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 38 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.7 | 71 |

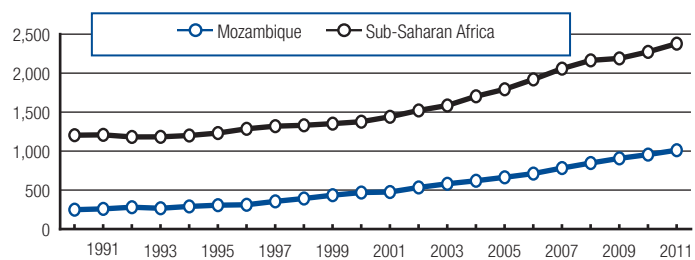
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Mozambique

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 24.0 |
| GDP (US\$ billions)..... | 12.8 |
| GDP per capita (US\$)..... | 583 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

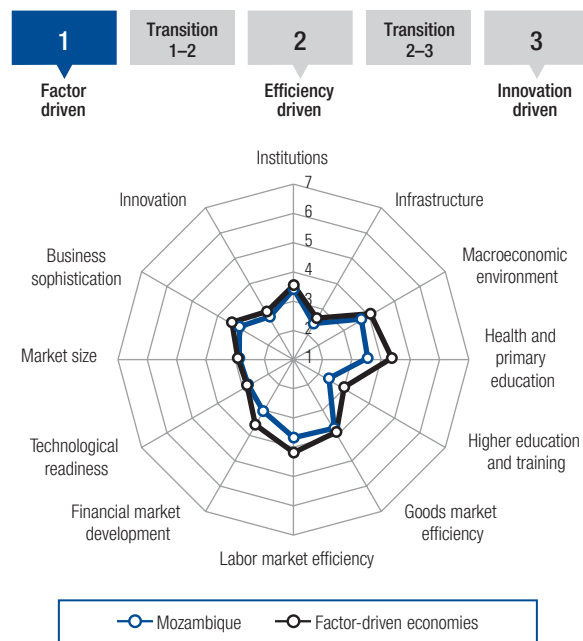
GDP (PPP) per capita (int'l \$), 1990–2011



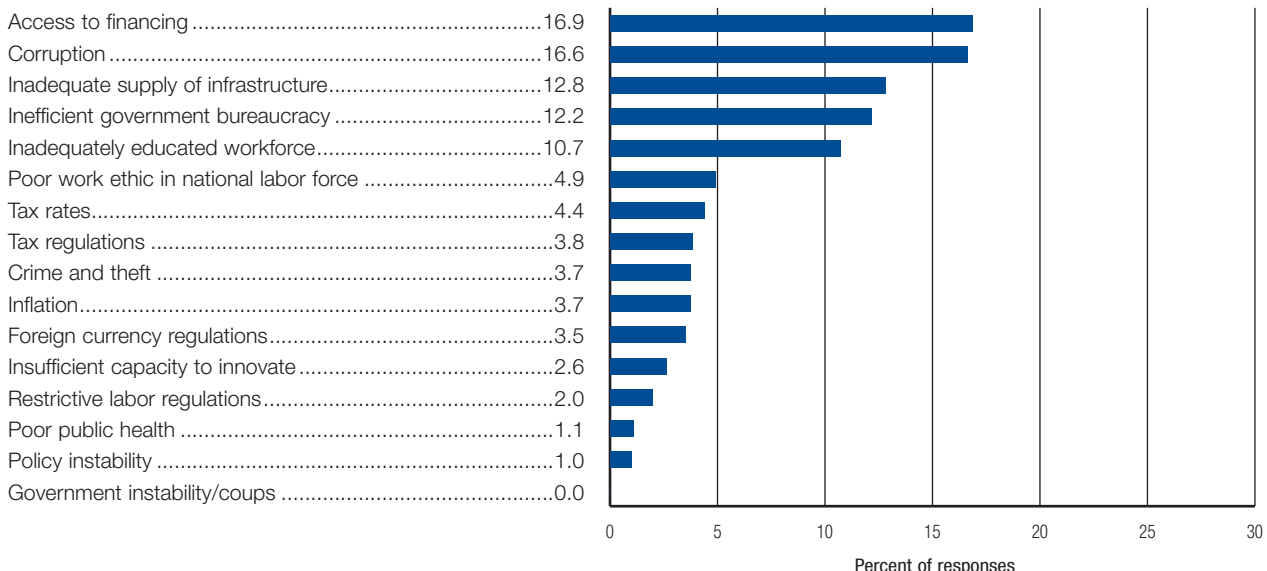
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 138 | 3.2 |
| GCI 2011–2012 (out of 142)..... | 133 | 3.3 |
| GCI 2010–2011 (out of 139)..... | 131 | 3.3 |
| Basic requirements (60.0%) | 138 | 3.2 |
| Institutions..... | 112 | 3.4 |
| Infrastructure..... | 129 | 2.4 |
| Macroeconomic environment..... | 125 | 3.7 |
| Health and primary education..... | 137 | 3.5 |
| Efficiency enhancers (35.0%) | 133 | 3.1 |
| Higher education and training..... | 138 | 2.4 |
| Goods market efficiency..... | 124 | 3.8 |
| Labor market efficiency..... | 128 | 3.7 |
| Financial market development..... | 134 | 3.1 |
| Technological readiness..... | 121 | 2.8 |
| Market size..... | 101 | 2.9 |
| Innovation and sophistication factors (5.0%) | 130 | 2.9 |
| Business sophistication..... | 131 | 3.1 |
| Innovation..... | 122 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Mozambique

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.5 | 112 | 6.01 | Intensity of local competition | 3.8 | 133 |
| 1.02 | Intellectual property protection | 2.6 | 128 | 6.02 | Extent of market dominance | 2.9 | 133 |
| 1.03 | Diversion of public funds | 2.3 | 128 | 6.03 | Effectiveness of anti-monopoly policy | 3.1 | 134 |
| 1.04 | Public trust in politicians | 2.4 | 89 | 6.04 | Extent and effect of taxation | 3.5 | 65 |
| 1.05 | Irregular payments and bribes | 3.6 | 88 | 6.05 | Total tax rate, % profits* | 34.3 | 52 |
| 1.06 | Judicial independence | 2.4 | 130 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 83 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 2.8 | 102 | 6.08 | Agricultural policy costs | 3.0 | 135 |
| 1.09 | Burden of government regulation | 3.4 | 70 | 6.09 | Prevalence of trade barriers | 3.7 | 118 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 93 | 6.10 | Trade tariffs, % duty* | 7.5 | 89 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 109 | 6.11 | Prevalence of foreign ownership | 5.0 | 55 |
| 1.12 | Transparency of government policymaking | 4.3 | 70 | 6.12 | Business impact of rules on FDI | 4.6 | 73 |
| 1.13 | Gov't services for improved business performance | 3.7 | 67 | 6.13 | Burden of customs procedures | 3.5 | 101 |
| 1.14 | Business costs of terrorism | 4.9 | 111 | 6.14 | Imports as a percentage of GDP* | 59.1 | 43 |
| 1.15 | Business costs of crime and violence | 4.2 | 104 | 6.15 | Degree of customer orientation | 3.8 | 127 |
| 1.16 | Organized crime | 4.1 | 117 | 6.16 | Buyer sophistication | 2.7 | 121 |
| 1.17 | Reliability of police services | 3.4 | 112 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.2 | 122 | 7.01 | Cooperation in labor-employer relations | 3.6 | 126 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 116 | 7.02 | Flexibility of wage determination | 3.9 | 127 |
| 1.20 | Efficacy of corporate boards | 3.9 | 123 | 7.03 | Hiring and firing practices | 3.5 | 102 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 102 | 7.04 | Redundancy costs, weeks of salary* | 41 | 133 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 2.9 | 135 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.4 | 132 | |
| 2.01 | Quality of overall infrastructure | 3.0 | 126 | 7.07 | Brain drain | 3.4 | 76 |
| 2.02 | Quality of roads | 2.4 | 135 | 7.08 | Women in labor force, ratio to men* | 1.05 | 2 |
| 2.03 | Quality of railroad infrastructure | 2.0 | 89 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.4 | 116 | 8.01 | Availability of financial services | 3.8 | 114 |
| 2.05 | Quality of air transport infrastructure | 3.9 | 103 | 8.02 | Affordability of financial services | 3.3 | 126 |
| 2.06 | Available airline seat kms/week, millions* | 31.0 | 107 | 8.03 | Financing through local equity market | 2.6 | 119 |
| 2.07 | Quality of electricity supply | 3.2 | 111 | 8.04 | Ease of access to loans | 1.9 | 131 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 32.8 | 140 | 8.05 | Venture capital availability | 1.9 | 128 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.4 | 137 | 8.06 | Soundness of banks | 5.0 | 78 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.2 | 122 | |
| 3.01 | Government budget balance, % GDP* | -4.9 | 108 | 8.08 | Legal rights index, 0-10 (best)* | 2 | 135 |
| 3.02 | Gross national savings, % GDP* | 11.2 | 121 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 10.4 | 124 | 9.01 | Availability of latest technologies | 4.3 | 111 |
| 3.04 | General government debt, % GDP* | 33.2 | 51 | 9.02 | Firm-level technology absorption | 4.3 | 110 |
| 3.05 | Country credit rating, 0-100 (best)* | 27.9 | 110 | 9.03 | FDI and technology transfer | 5.0 | 41 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 4.3 | 129 | |
| 4.01 | Business impact of malaria | 2.9 | 134 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 124 |
| 4.02 | Malaria cases/100,000 pop.* | 32,977.9 | 140 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.2 | 131 |
| 4.03 | Business impact of tuberculosis | 3.2 | 138 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.0 | 111 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 544.0 | 137 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.9 | 137 | 10.01 | Domestic market size index, 1-7 (best)* | 2.7 | 100 |
| 4.06 | HIV prevalence, % adult pop.* | 11.5 | 137 | 10.02 | Foreign market size index, 1-7 (best)* | 3.4 | 107 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 92.2 | 140 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 49.7 | 139 | 11.01 | Local supplier quantity | 3.8 | 133 |
| 4.09 | Quality of primary education | 2.3 | 133 | 11.02 | Local supplier quality | 3.4 | 139 |
| 4.10 | Primary education enrollment, net %* | 89.6 | 98 | 11.03 | State of cluster development | 3.3 | 96 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 122 | |
| 5.01 | Secondary education enrollment, gross %* | 26.4 | 139 | 11.05 | Value chain breadth | 2.6 | 135 |
| 5.02 | Tertiary education enrollment, gross %* | 1.5 | 139 | 11.06 | Control of international distribution | 3.4 | 125 |
| 5.03 | Quality of the educational system | 2.9 | 119 | 11.07 | Production process sophistication | 2.7 | 127 |
| 5.04 | Quality of math and science education | 2.6 | 131 | 11.08 | Extent of marketing | 3.3 | 115 |
| 5.05 | Quality of management schools | 2.9 | 133 | 11.09 | Willingness to delegate authority | 2.9 | 135 |
| 5.06 | Internet access in schools | 2.7 | 121 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.1 | 128 | 12.01 | Capacity for innovation | 2.3 | 132 |
| 5.08 | Extent of staff training | 3.2 | 119 | 12.02 | Quality of scientific research institutions | 2.9 | 112 |
| | | | | 12.03 | Company spending on R&D | 2.5 | 128 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 78 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.4 | 84 |
| | | | | 12.06 | Availability of scientists and engineers | 2.8 | 137 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

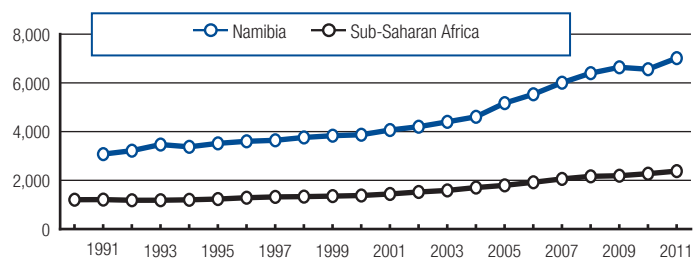
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Namibia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 2.3 |
| GDP (US\$ billions)..... | 12.5 |
| GDP per capita (US\$)..... | 5,828 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

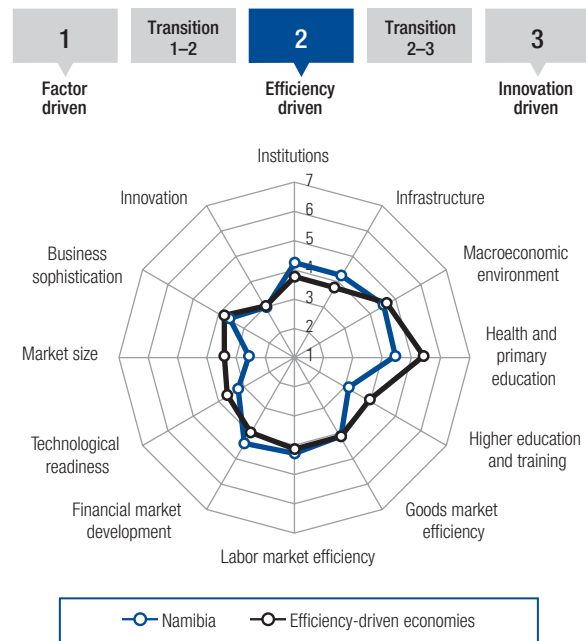
GDP (PPP) per capita (int'l \$), 1990–2011



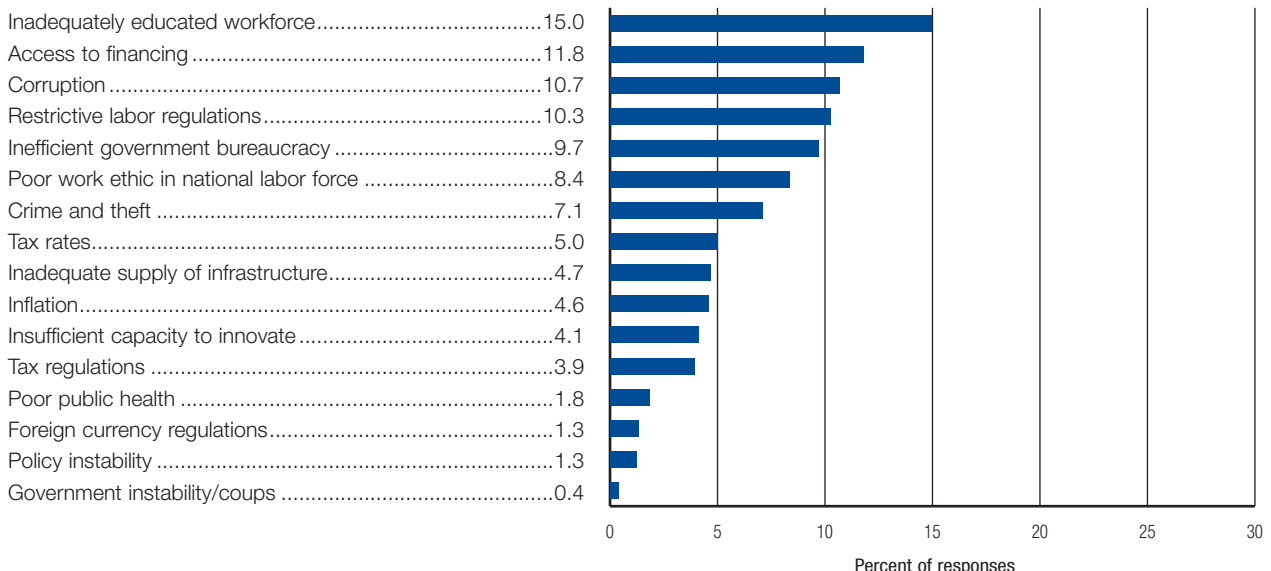
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 92 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 83 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 74 | 4.1 |
| Basic requirements (40.0%) | 82 | 4.3 |
| Institutions..... | 52 | 4.2 |
| Infrastructure..... | 59 | 4.2 |
| Macroeconomic environment..... | 84 | 4.5 |
| Health and primary education..... | 120 | 4.4 |
| Efficiency enhancers (50.0%) | 105 | 3.6 |
| Higher education and training..... | 119 | 3.1 |
| Goods market efficiency..... | 87 | 4.2 |
| Labor market efficiency..... | 74 | 4.3 |
| Financial market development..... | 47 | 4.4 |
| Technological readiness..... | 104 | 3.2 |
| Market size..... | 120 | 2.6 |
| Innovation and sophistication factors (10.0%) | 103 | 3.3 |
| Business sophistication..... | 102 | 3.6 |
| Innovation..... | 101 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.1 | 40 | 6.01 | Intensity of local competition | 4.5 | 91 |
| 1.02 | Intellectual property protection | 4.3 | 43 | 6.02 | Extent of market dominance | 3.5 | 85 |
| 1.03 | Diversion of public funds | 3.1 | 71 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 63 |
| 1.04 | Public trust in politicians | 3.3 | 46 | 6.04 | Extent and effect of taxation | 3.7 | 51 |
| 1.05 | Irregular payments and bribes | 4.2 | 61 | 6.05 | Total tax rate, % profits* | 9.8 | 3 |
| 1.06 | Judicial independence | 4.6 | 44 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 88 | 6.07 | No. days to start a business* | 66 | 132 |
| 1.08 | Wastefulness of government spending | 3.4 | 55 | 6.08 | Agricultural policy costs | 4.3 | 37 |
| 1.09 | Burden of government regulation | 3.4 | 68 | 6.09 | Prevalence of trade barriers | 4.2 | 77 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.4 | 38 | 6.10 | Trade tariffs, % duty* | 6.7 | 82 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.1 | 42 | 6.11 | Prevalence of foreign ownership | 5.1 | 50 |
| 1.12 | Transparency of government policymaking | 4.1 | 85 | 6.12 | Business impact of rules on FDI | 4.5 | 84 |
| 1.13 | Gov't services for improved business performance | 3.4 | 88 | 6.13 | Burden of customs procedures | 3.8 | 82 |
| 1.14 | Business costs of terrorism | 6.2 | 34 | 6.14 | Imports as a percentage of GDP* | 56.4 | 47 |
| 1.15 | Business costs of crime and violence | 3.8 | 113 | 6.15 | Degree of customer orientation | 3.7 | 131 |
| 1.16 | Organized crime | 5.3 | 70 | 6.16 | Buyer sophistication | 3.5 | 65 |
| 1.17 | Reliability of police services | 4.2 | 73 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 59 | 7.01 | Cooperation in labor-employer relations | 3.8 | 116 |
| 1.19 | Strength of auditing and reporting standards | 5.3 | 31 | 7.02 | Flexibility of wage determination | 4.6 | 101 |
| 1.20 | Efficacy of corporate boards | 4.4 | 81 | 7.03 | Hiring and firing practices | 3.0 | 130 |
| 1.21 | Protection of minority shareholders' interests | 4.7 | 40 | 7.04 | Redundancy costs, weeks of salary* | 10 | 35 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.5 | 107 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 76 | |
| 2.01 | Quality of overall infrastructure | 5.1 | 40 | 7.07 | Brain drain | 3.3 | 80 |
| 2.02 | Quality of roads | 5.1 | 35 | 7.08 | Women in labor force, ratio to men* | 0.84 | 56 |
| 2.03 | Quality of railroad infrastructure | 3.7 | 39 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.4 | 27 | 8.01 | Availability of financial services | 4.9 | 55 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 59 | 8.02 | Affordability of financial services | 4.0 | 82 |
| 2.06 | Available airline seat kms/week, millions* | 34.5 | 105 | 8.03 | Financing through local equity market | 3.4 | 72 |
| 2.07 | Quality of electricity supply | 5.4 | 52 | 8.04 | Ease of access to loans | 2.9 | 64 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 105.0 | 75 | 8.05 | Venture capital availability | 2.4 | 82 |
| 2.09 | Fixed telephone lines/100 pop.* | 6.0 | 105 | 8.06 | Soundness of banks | 5.9 | 29 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5 | 51 | |
| 3.01 | Government budget balance, % GDP* | -7.9 | 134 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 26.0 | 40 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.8 | 88 | 9.01 | Availability of latest technologies | 5.2 | 61 |
| 3.04 | General government debt, % GDP* | 21.9 | 29 | 9.02 | Firm-level technology absorption | 4.8 | 65 |
| 3.05 | Country credit rating, 0-100 (best)* | 51.0 | 68 | 9.03 | FDI and technology transfer | 4.4 | 86 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 12.0 | 113 | |
| 4.01 | Business impact of malaria | 3.8 | 124 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.8 | 104 |
| 4.02 | Malaria cases/100,000 pop.* | 3,764.2 | 117 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.3 | 121 |
| 4.03 | Business impact of tuberculosis | 3.1 | 139 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.6 | 90 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 603.0 | 139 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.6 | 142 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 121 |
| 4.06 | HIV prevalence, % adult pop.* | 13.1 | 138 | 10.02 | Foreign market size index, 1-7 (best)* | 3.2 | 111 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 29.3 | 100 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 62.1 | 115 | 11.01 | Local supplier quantity | 3.8 | 132 |
| 4.09 | Quality of primary education | 2.8 | 120 | 11.02 | Local supplier quality | 4.2 | 89 |
| 4.10 | Primary education enrollment, net %* | 85.4 | 113 | 11.03 | State of cluster development | 3.4 | 88 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 94 | |
| 5.01 | Secondary education enrollment, gross %* | 64.0 | 106 | 11.05 | Value chain breadth | 2.9 | 122 |
| 5.02 | Tertiary education enrollment, gross %* | 9.0 | 115 | 11.06 | Control of international distribution | 3.6 | 110 |
| 5.03 | Quality of the educational system | 2.7 | 126 | 11.07 | Production process sophistication | 3.3 | 98 |
| 5.04 | Quality of math and science education | 2.7 | 127 | 11.08 | Extent of marketing | 3.7 | 94 |
| 5.05 | Quality of management schools | 3.1 | 129 | 11.09 | Willingness to delegate authority | 3.7 | 72 |
| 5.06 | Internet access in schools | 3.1 | 110 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.0 | 131 | 12.01 | Capacity for innovation | 2.9 | 90 |
| 5.08 | Extent of staff training | 4.1 | 55 | 12.02 | Quality of scientific research institutions | 3.4 | 92 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 86 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 73 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 90 |
| | | | | 12.06 | Availability of scientists and engineers | 2.8 | 138 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.3 | 84 |

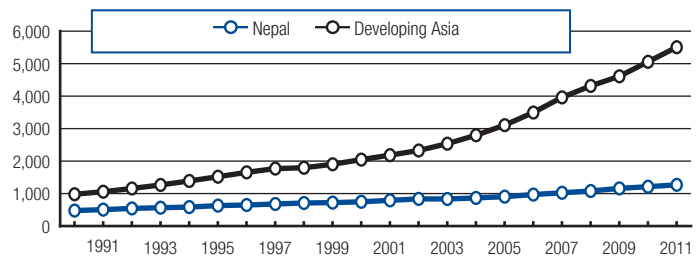
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Nepal

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 30.6 |
| GDP (US\$ billions)..... | 18.6 |
| GDP per capita (US\$)..... | 653 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

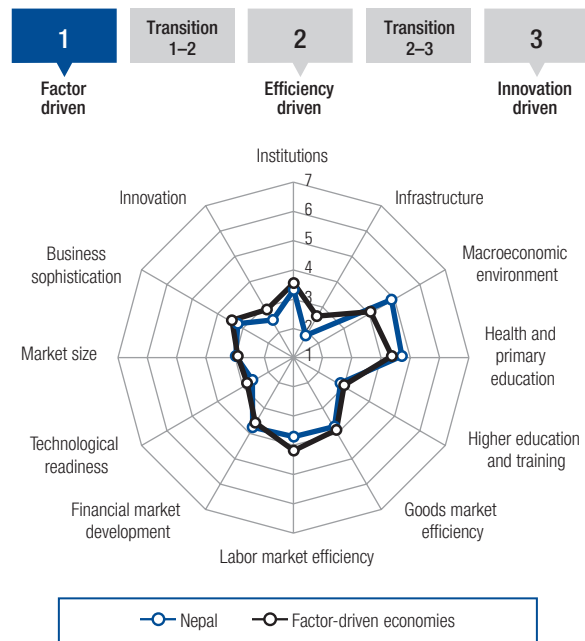
GDP (PPP) per capita (int'l \$), 1990–2011



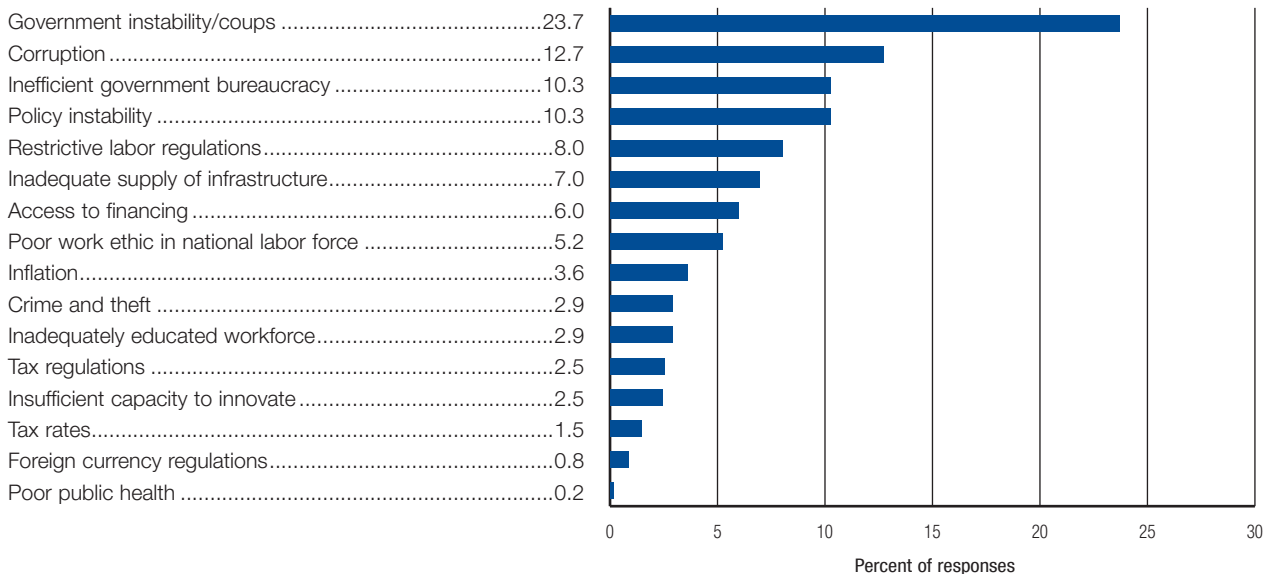
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 125 | 3.5 |
| GCI 2011–2012 (out of 142)..... | 125 | 3.5 |
| GCI 2010–2011 (out of 139)..... | 130 | 3.3 |
| Basic requirements (60.0%) | 121 | 3.7 |
| Institutions..... | 123 | 3.3 |
| Infrastructure..... | 143 | 1.8 |
| Macroeconomic environment..... | 56 | 4.9 |
| Health and primary education..... | 109 | 4.7 |
| Efficiency enhancers (35.0%) | 126 | 3.3 |
| Higher education and training..... | 128 | 2.8 |
| Goods market efficiency..... | 121 | 3.8 |
| Labor market efficiency..... | 125 | 3.8 |
| Financial market development..... | 91 | 3.8 |
| Technological readiness..... | 129 | 2.6 |
| Market size..... | 95 | 3.0 |
| Innovation and sophistication factors (5.0%) | 133 | 2.8 |
| Business sophistication..... | 127 | 3.2 |
| Innovation..... | 133 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.5 | 114 | 6.01 | Intensity of local competition | 4.2 | 112 |
| 1.02 | Intellectual property protection | 2.8 | 118 | 6.02 | Extent of market dominance | 2.7 | 140 |
| 1.03 | Diversion of public funds | 2.7 | 105 | 6.03 | Effectiveness of anti-monopoly policy | 3.6 | 102 |
| 1.04 | Public trust in politicians | 1.9 | 125 | 6.04 | Extent and effect of taxation | 3.7 | 52 |
| 1.05 | Irregular payments and bribes | 2.9 | 129 | 6.05 | Total tax rate, % profits* | 31.5 | 41 |
| 1.06 | Judicial independence | 3.3 | 89 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 72 | 6.07 | No. days to start a business* | 29 | 99 |
| 1.08 | Wastefulness of government spending | 3.1 | 83 | 6.08 | Agricultural policy costs | 3.6 | 94 |
| 1.09 | Burden of government regulation | 3.2 | 86 | 6.09 | Prevalence of trade barriers | 3.7 | 120 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.1 | 113 | 6.10 | Trade tariffs, % duty* | 16.4 | 134 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.4 | 86 | 6.11 | Prevalence of foreign ownership | 3.0 | 140 |
| 1.12 | Transparency of government policymaking | 3.8 | 116 | 6.12 | Business impact of rules on FDI | 4.0 | 111 |
| 1.13 | Gov't services for improved business performance | 3.0 | 115 | 6.13 | Burden of customs procedures | 3.5 | 106 |
| 1.14 | Business costs of terrorism | 4.0 | 133 | 6.14 | Imports as a percentage of GDP* | 38.1 | 90 |
| 1.15 | Business costs of crime and violence | 3.5 | 124 | 6.15 | Degree of customer orientation | 4.1 | 110 |
| 1.16 | Organized crime | 3.8 | 129 | 6.16 | Buyer sophistication | 2.9 | 114 |
| 1.17 | Reliability of police services | 3.5 | 108 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.2 | 125 | 7.01 | Cooperation in labor-employer relations | 3.2 | 140 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 115 | 7.02 | Flexibility of wage determination | 4.0 | 126 |
| 1.20 | Efficacy of corporate boards | 3.8 | 133 | 7.03 | Hiring and firing practices | 3.5 | 105 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 110 | 7.04 | Redundancy costs, weeks of salary* | 27 | 115 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 2.9 | 136 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 120 | |
| 2.01 | Quality of overall infrastructure | 2.9 | 129 | 7.07 | Brain drain | 2.5 | 121 |
| 2.02 | Quality of roads | 2.6 | 127 | 7.08 | Women in labor force, ratio to men* | 0.94 | 13 |
| 2.03 | Quality of railroad infrastructure | 1.1 | 122 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.7 | 133 | 8.01 | Availability of financial services | 3.9 | 101 |
| 2.05 | Quality of air transport infrastructure | 3.2 | 131 | 8.02 | Affordability of financial services | 3.7 | 96 |
| 2.06 | Available airline seat kms/week, millions* | 86.2 | 81 | 8.03 | Financing through local equity market | 3.9 | 44 |
| 2.07 | Quality of electricity supply | 1.4 | 143 | 8.04 | Ease of access to loans | 2.5 | 91 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 43.8 | 135 | 8.05 | Venture capital availability | 2.4 | 83 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.8 | 115 | 8.06 | Soundness of banks | 4.2 | 126 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 108 | |
| 3.01 | Government budget balance, % GDP* | -1.7 | 48 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 33.6 | 18 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 9.6 | 121 | 9.01 | Availability of latest technologies | 4.3 | 112 |
| 3.04 | General government debt, % GDP* | 34.1 | 54 | 9.02 | Firm-level technology absorption | 4.1 | 120 |
| 3.05 | Country credit rating, 0-100 (best)* | 20.0 | 127 | 9.03 | FDI and technology transfer | 3.8 | 126 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 9.0 | 120 | |
| 4.01 | Business impact of malaria | 5.2 | 98 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3 | 110 |
| 4.02 | Malaria cases/100,000 pop.* | 60.5 | 94 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.5 | 129 |
| 4.03 | Business impact of tuberculosis | 4.5 | 109 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 127 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 163.0 | 109 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 101 | 10.01 | Domestic market size index, 1-7 (best)* | 3.0 | 88 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 2.8 | 127 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 41.4 | 108 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.4 | 103 | 11.01 | Local supplier quantity | 4.3 | 106 |
| 4.09 | Quality of primary education | 3.3 | 97 | 11.02 | Local supplier quality | 3.6 | 132 |
| 4.10 | Primary education enrollment, net %* | 71.1 | 134 | 11.03 | State of cluster development | 3.3 | 92 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 92 | |
| 5.01 | Secondary education enrollment, gross %* | 43.5 | 121 | 11.05 | Value chain breadth | 2.8 | 127 |
| 5.02 | Tertiary education enrollment, gross %* | 5.6 | 122 | 11.06 | Control of international distribution | 3.4 | 123 |
| 5.03 | Quality of the educational system | 3.4 | 92 | 11.07 | Production process sophistication | 2.5 | 134 |
| 5.04 | Quality of math and science education | 3.6 | 95 | 11.08 | Extent of marketing | 2.8 | 132 |
| 5.05 | Quality of management schools | 3.5 | 113 | 11.09 | Willingness to delegate authority | 2.9 | 133 |
| 5.06 | Internet access in schools | 3.3 | 104 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.1 | 129 | 12.01 | Capacity for innovation | 2.4 | 126 |
| 5.08 | Extent of staff training | 3.1 | 132 | 12.02 | Quality of scientific research institutions | 2.2 | 137 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 121 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.7 | 127 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.6 | 132 |
| | | | | 12.06 | Availability of scientists and engineers | 3.2 | 128 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 113 |

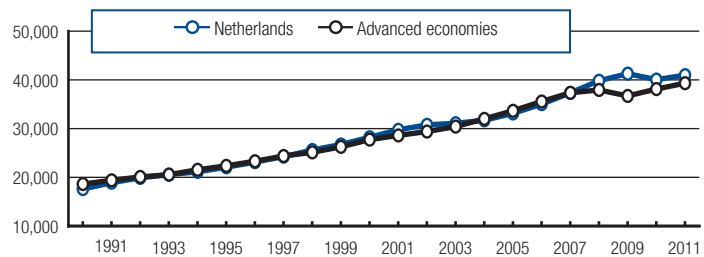
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Netherlands

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 17.3 |
| GDP (US\$ billions)..... | 840.4 |
| GDP per capita (US\$)..... | 50,355 |
| GDP (PPP) as share (%) of world total..... | 0.89 |

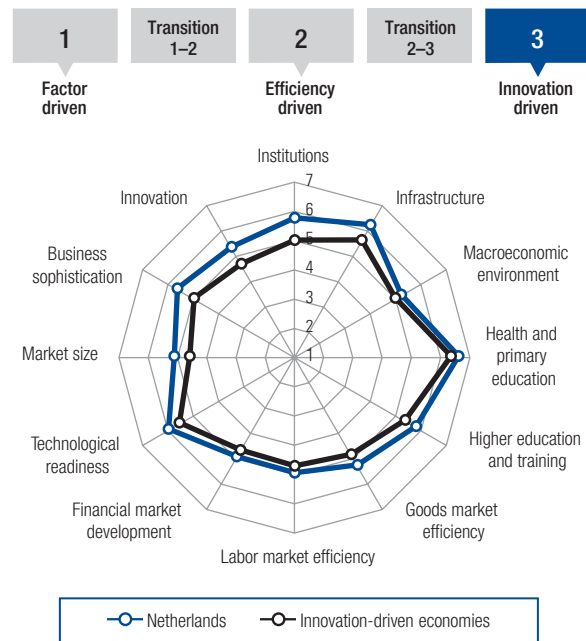
GDP (PPP) per capita (int'l \$), 1990–2011



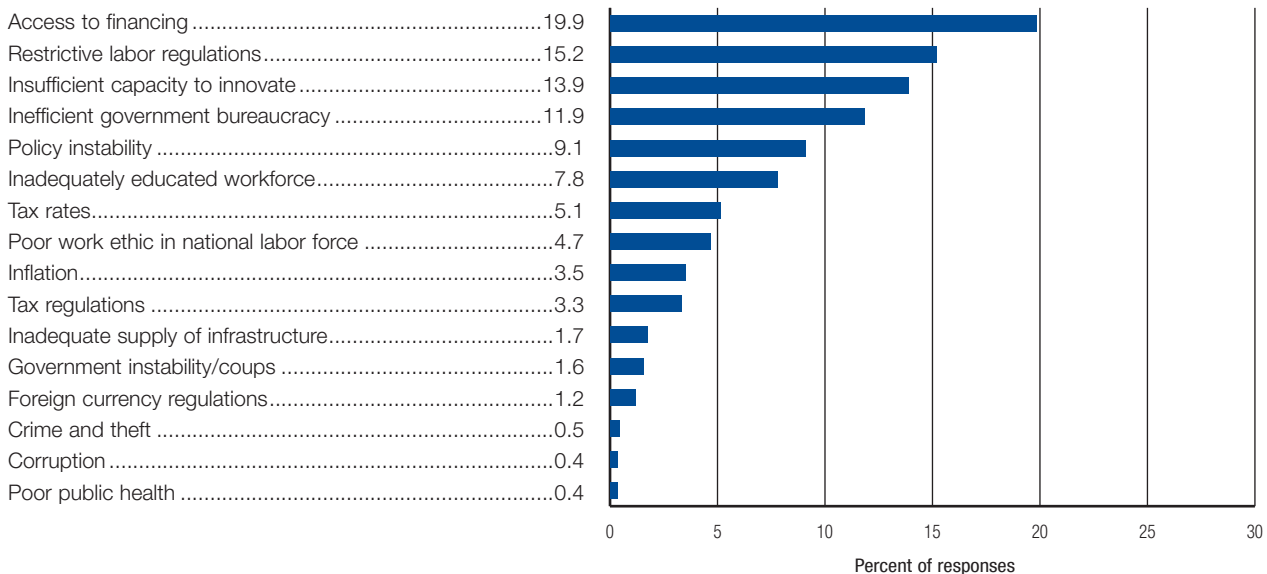
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 5 | 5.5 |
| GCI 2011–2012 (out of 142)..... | 7 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 8 | 5.3 |
| Basic requirements (20.0%) | 10 | 5.9 |
| Institutions..... | 7 | 5.7 |
| Infrastructure..... | 7 | 6.2 |
| Macroeconomic environment..... | 41 | 5.2 |
| Health and primary education..... | 5 | 6.6 |
| Efficiency enhancers (50.0%) | 7 | 5.4 |
| Higher education and training..... | 6 | 5.8 |
| Goods market efficiency..... | 6 | 5.3 |
| Labor market efficiency..... | 17 | 5.0 |
| Financial market development..... | 20 | 5.0 |
| Technological readiness..... | 9 | 6.0 |
| Market size..... | 20 | 5.1 |
| Innovation and sophistication factors (30.0%) | 6 | 5.5 |
| Business sophistication..... | 4 | 5.6 |
| Innovation..... | 9 | 5.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Netherlands

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.0 | 9 | 6.01 | Intensity of local competition | 6.1 | 1 |
| 1.02 | Intellectual property protection | 5.9 | 5 | 6.02 | Extent of market dominance | 5.4 | 7 |
| 1.03 | Diversion of public funds | 5.9 | 8 | 6.03 | Effectiveness of anti-monopoly policy | 5.7 | 1 |
| 1.04 | Public trust in politicians | 5.4 | 10 | 6.04 | Extent and effect of taxation | 4.1 | 29 |
| 1.05 | Irregular payments and bribes | 6.2 | 12 | 6.05 | Total tax rate, % profits* | 40.5 | 76 |
| 1.06 | Judicial independence | 6.4 | 3 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 5.2 | 4 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 4.7 | 13 | 6.08 | Agricultural policy costs | 4.8 | 11 |
| 1.09 | Burden of government regulation | 3.9 | 34 | 6.09 | Prevalence of trade barriers | 5.4 | 11 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.6 | 8 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.6 | 3 | 6.11 | Prevalence of foreign ownership | 5.5 | 21 |
| 1.12 | Transparency of government policymaking | 5.3 | 14 | 6.12 | Business impact of rules on FDI | 5.3 | 19 |
| 1.13 | Gov't services for improved business performance | 4.4 | 25 | 6.13 | Burden of customs procedures | 5.4 | 9 |
| 1.14 | Business costs of terrorism | 6.1 | 39 | 6.14 | Imports as a percentage of GDP* | 85.1 | 18 |
| 1.15 | Business costs of crime and violence | 5.6 | 32 | 6.15 | Degree of customer orientation | 5.3 | 24 |
| 1.16 | Organized crime | 6.3 | 21 | 6.16 | Buyer sophistication | 4.5 | 14 |
| 1.17 | Reliability of police services | 6.2 | 6 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.3 | 6 | 7.01 | Cooperation in labor-employer relations | 5.7 | 4 |
| 1.19 | Strength of auditing and reporting standards | 6.0 | 7 | 7.02 | Flexibility of wage determination | 3.7 | 130 |
| 1.20 | Efficacy of corporate boards | 5.4 | 10 | 7.03 | Hiring and firing practices | 3.1 | 126 |
| 1.21 | Protection of minority shareholders' interests | 5.4 | 12 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 3.9 | 67 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.1 | 3 | |
| 2.01 | Quality of overall infrastructure | 6.2 | 10 | 7.07 | Brain drain | 5.3 | 10 |
| 2.02 | Quality of roads | 6.0 | 11 | 7.08 | Women in labor force, ratio to men* | 0.87 | 41 |
| 2.03 | Quality of railroad infrastructure | 5.7 | 9 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.8 | 1 | 8.01 | Availability of financial services | 6.2 | 6 |
| 2.05 | Quality of air transport infrastructure | 6.6 | 4 | 8.02 | Affordability of financial services | 5.2 | 17 |
| 2.06 | Available airline seat kms/week, millions* | 1,702.1 | 22 | 8.03 | Financing through local equity market | 4.4 | 25 |
| 2.07 | Quality of electricity supply | 6.8 | 1 | 8.04 | Ease of access to loans | 3.7 | 22 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 115.4 | 53 | 8.05 | Venture capital availability | 3.8 | 15 |
| 2.09 | Fixed telephone lines/100 pop.* | 43.5 | 21 | 8.06 | Soundness of banks | 5.6 | 47 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.5 | 15 | |
| 3.01 | Government budget balance, % GDP* | -5.0 | 109 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 26.4 | 38 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.5 | 1 | 9.01 | Availability of latest technologies | 6.5 | 4 |
| 3.04 | General government debt, % GDP* | 66.2 | 110 | 9.02 | Firm-level technology absorption | 5.8 | 22 |
| 3.05 | Country credit rating, 0-100 (best)* | 90.8 | 8 | 9.03 | FDI and technology transfer | 5.0 | 34 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 92.3 | 3 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 38.7 | 3 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 162.5 | 7 |
| 4.03 | Business impact of tuberculosis | 6.7 | 8 | 9.07 | Mobile broadband subscriptions/100 pop.* | 49.2 | 15 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 7.3 | 21 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.3 | 13 | 10.01 | Domestic market size index, 1-7 (best)* | 4.8 | 22 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 6.0 | 11 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.6 | 21 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.7 | 16 | 11.01 | Local supplier quantity | 5.6 | 7 |
| 4.09 | Quality of primary education | 5.6 | 9 | 11.02 | Local supplier quality | 5.8 | 5 |
| 4.10 | Primary education enrollment, net %* | 99.8 | 5 | 11.03 | State of cluster development | 4.9 | 15 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.9 | 9 | |
| 5.01 | Secondary education enrollment, gross %* | 121.5 | 3 | 11.05 | Value chain breadth | 5.6 | 6 |
| 5.02 | Tertiary education enrollment, gross %* | 62.7 | 26 | 11.06 | Control of international distribution | 5.0 | 15 |
| 5.03 | Quality of the educational system | 5.3 | 13 | 11.07 | Production process sophistication | 6.0 | 5 |
| 5.04 | Quality of math and science education | 5.4 | 12 | 11.08 | Extent of marketing | 5.9 | 2 |
| 5.05 | Quality of management schools | 5.6 | 9 | 11.09 | Willingness to delegate authority | 5.7 | 4 |
| 5.06 | Internet access in schools | 6.3 | 4 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 6.1 | 2 | 12.01 | Capacity for innovation | 5.1 | 8 |
| 5.08 | Extent of staff training | 5.2 | 8 | 12.02 | Quality of scientific research institutions | 5.7 | 8 |
| | | | | 12.03 | Company spending on R&D | 4.7 | 14 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.3 | 10 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.2 | 23 |
| | | | | 12.06 | Availability of scientists and engineers | 4.8 | 24 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 203.3 | 8 |

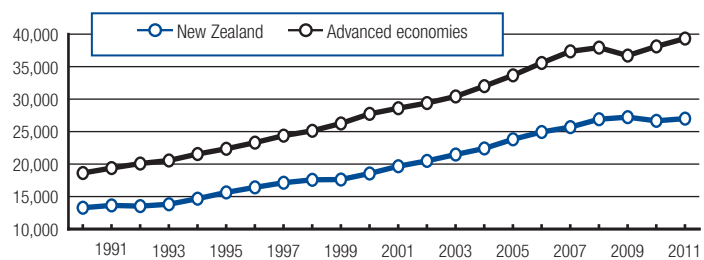
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

New Zealand

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 4.6 |
| GDP (US\$ billions)..... | 161.9 |
| GDP per capita (US\$)..... | 36,648 |
| GDP (PPP) as share (%) of world total..... | 0.16 |

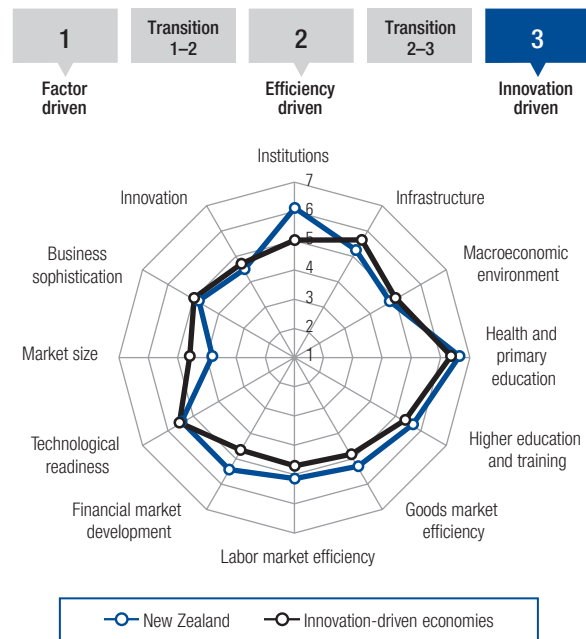
GDP (PPP) per capita (int'l \$), 1990–2011



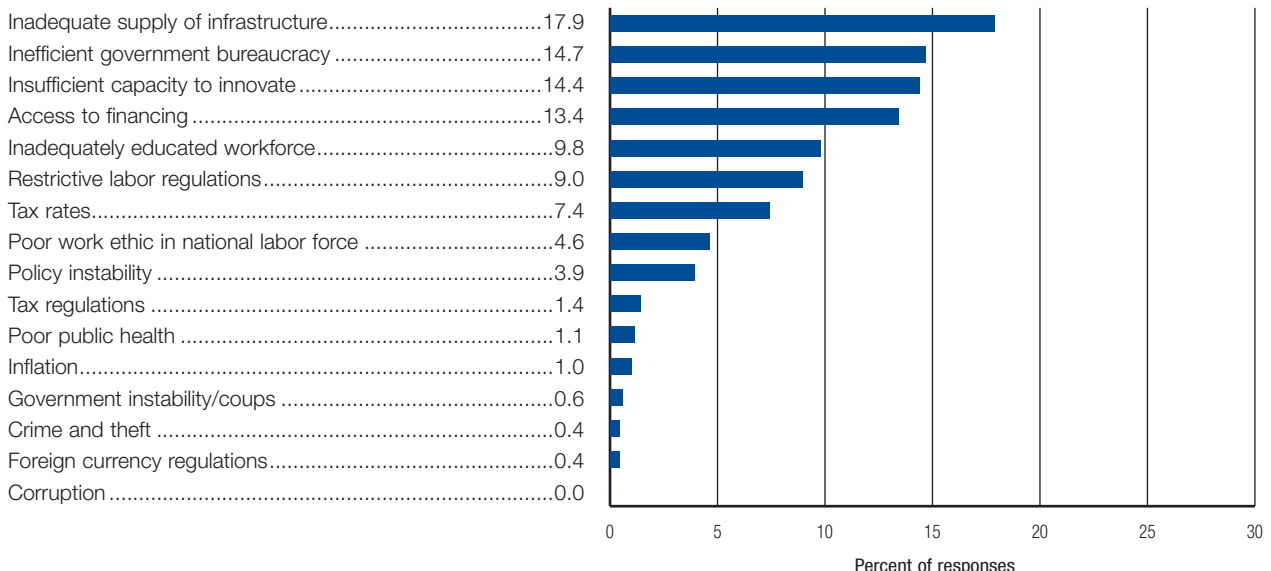
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 23 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 25 | 4.9 |
| GCI 2010–2011 (out of 139)..... | 23 | 4.9 |
| Basic requirements (20.0%) | 19 | 5.7 |
| Institutions..... | 2 | 6.1 |
| Infrastructure..... | 30 | 5.2 |
| Macroeconomic environment..... | 61 | 4.7 |
| Health and primary education..... | 4 | 6.6 |
| Efficiency enhancers (50.0%) | 14 | 5.2 |
| Higher education and training..... | 10 | 5.7 |
| Goods market efficiency..... | 3 | 5.3 |
| Labor market efficiency..... | 9 | 5.2 |
| Financial market development..... | 5 | 5.5 |
| Technological readiness..... | 23 | 5.5 |
| Market size..... | 63 | 3.8 |
| Innovation and sophistication factors (30.0%) | 27 | 4.6 |
| Business sophistication..... | 27 | 4.8 |
| Innovation..... | 24 | 4.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

New Zealand

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|--|--|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.1 | 6 | 6.01 | Intensity of local competition | 5.5 | 24 |
| 1.02 | Intellectual property protection | 6.1 | 3 | 6.02 | Extent of market dominance | 4.5 | 28 |
| 1.03 | Diversion of public funds | 6.5 | 1 | 6.03 | Effectiveness of anti-monopoly policy | 5.6 | 2 |
| 1.04 | Public trust in politicians | 5.5 | 8 | 6.04 | Extent and effect of taxation | 4.6 | 17 |
| 1.05 | Irregular payments and bribes | 6.7 | 1 | 6.05 | Total tax rate, % profits* | 34.4 | 53 |
| 1.06 | Judicial independence | 6.7 | 1 | 6.06 | No. procedures to start a business* | 1 | 1 |
| 1.07 | Favoritism in decisions of government officials | 5.4 | 1 | 6.07 | No. days to start a business* | 1 | 1 |
| 1.08 | Wastefulness of government spending | 4.5 | 14 | 6.08 | Agricultural policy costs | 6.0 | 1 |
| 1.09 | Burden of government regulation | 4.3 | 14 | 6.09 | Prevalence of trade barriers | 6.3 | 1 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.9 | 3 | 6.10 | Trade tariffs, % duty* | 2.2 | 37 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.5 | 4 | 6.11 | Prevalence of foreign ownership | 6.0 | 6 |
| 1.12 | Transparency of government policymaking | 6.0 | 3 | 6.12 | Business impact of rules on FDI | 4.9 | 44 |
| 1.13 | Gov't services for improved business performance | 4.3 | 30 | 6.13 | Burden of customs procedures | 6.0 | 4 |
| 1.14 | Business costs of terrorism | 6.2 | 23 | 6.14 | Imports as a percentage of GDP* | 29.8 | 121 |
| 1.15 | Business costs of crime and violence | 5.9 | 16 | 6.15 | Degree of customer orientation | 5.7 | 7 |
| 1.16 | Organized crime | 6.6 | 7 | 6.16 | Buyer sophistication | 4.3 | 24 |
| 1.17 | Reliability of police services | 6.3 | 4 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.6 | 1 | 7.01 | Cooperation in labor-employer relations | 5.4 | 11 |
| 1.19 | Strength of auditing and reporting standards | 6.2 | 3 | 7.02 | Flexibility of wage determination | 5.9 | 12 |
| 1.20 | Efficacy of corporate boards | 5.7 | 2 | 7.03 | Hiring and firing practices | 4.0 | 69 |
| 1.21 | Protection of minority shareholders' interests | 5.8 | 3 | 7.04 | Redundancy costs, weeks of salary* | 0 | 1 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 9.7 | 1 | 7.05 | Pay and productivity | 4.6 | 22 |
| 2nd pillar: Infrastructure | | | 8th pillar: Financial market development | | | | |
| 2.01 | Quality of overall infrastructure | 4.9 | 47 | 8.01 | Availability of financial services | 5.8 | 20 |
| 2.02 | Quality of roads | 4.9 | 41 | 8.02 | Affordability of financial services | 5.2 | 20 |
| 2.03 | Quality of railroad infrastructure | 3.6 | 41 | 8.03 | Financing through local equity market | 4.5 | 22 |
| 2.04 | Quality of port infrastructure | 5.5 | 22 | 8.04 | Ease of access to loans | 4.2 | 10 |
| 2.05 | Quality of air transport infrastructure | 6.2 | 12 | 8.05 | Venture capital availability | 3.5 | 24 |
| 2.06 | Available airline seat kms/week, millions* | 706.3 | 31 | 8.06 | Soundness of banks | 6.6 | 3 |
| 2.07 | Quality of electricity supply | 6.0 | 34 | 8.07 | Regulation of securities exchanges | 5.3 | 21 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 109.2 | 61 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 2.09 | Fixed telephone lines/100 pop.* | 42.6 | 25 | 9th pillar: Technological readiness | | | |
| 3rd pillar: Macroeconomic environment | | | 10th pillar: Market size | | | | |
| 3.01 | Government budget balance, % GDP* | -6.2 | 124 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 62 |
| 3.02 | Gross national savings, % GDP* | 15.3 | 95 | 10.02 | Foreign market size index, 1-7 (best)* | 4.2 | 69 |
| 3.03 | Inflation, annual % change* | 4.0 | 58 | 11th pillar: Business sophistication | | | |
| 3.04 | General government debt, % GDP* | 37.0 | 62 | 11.01 | Local supplier quantity | 5.1 | 37 |
| 3.05 | Country credit rating, 0-100 (best)* | 85.2 | 16 | 11.02 | Local supplier quality | 5.6 | 12 |
| 4th pillar: Health and primary education | | | 12th pillar: Innovation | | | | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 12.01 | Capacity for innovation | 4.1 | 24 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 12.02 | Quality of scientific research institutions | 5.4 | 17 |
| 4.03 | Business impact of tuberculosis | 6.6 | 12 | 12.03 | Company spending on R&D | 3.5 | 36 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 7.6 | 22 | 12.04 | University-industry collaboration in R&D | 4.9 | 23 |
| 4.05 | Business impact of HIV/AIDS | 6.4 | 11 | 12.05 | Gov't procurement of advanced tech products | 3.7 | 57 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 12.06 | Availability of scientists and engineers | 4.3 | 55 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.8 | 31 | 12.07 | PCT patents, applications/million pop.* | 75.8 | 22 |
| 4.08 | Life expectancy, years* | 80.7 | 16 | 5th pillar: Higher education and training | | | |
| 4.09 | Quality of primary education | 5.8 | 6 | 5.01 | Secondary education enrollment, gross %* | 119.1 | 6 |
| 4.10 | Primary education enrollment, net %* | 99.3 | 12 | 5.02 | Tertiary education enrollment, gross %* | 82.6 | 8 |
| 5th pillar: Higher education and training | | | 5th pillar: Higher education and training | | | | |
| 5.01 | Secondary education enrollment, gross %* | 119.1 | 6 | 5.03 | Quality of the educational system | 5.3 | 11 |
| 5.02 | Tertiary education enrollment, gross %* | 82.6 | 8 | 5.04 | Quality of math and science education | 5.5 | 10 |
| 5.03 | Quality of the educational system | 5.3 | 11 | 5.05 | Quality of management schools | 5.2 | 20 |
| 5.04 | Quality of math and science education | 5.5 | 10 | 5.06 | Internet access in schools | 5.7 | 27 |
| 5.05 | Quality of management schools | 5.2 | 20 | 5.07 | Availability of research and training services | 4.8 | 32 |
| 5.06 | Internet access in schools | 5.7 | 27 | 5.08 | Extent of staff training | 4.8 | 18 |
| 5.07 | Availability of research and training services | 4.8 | 32 | | | | |
| 5.08 | Extent of staff training | 4.8 | 18 | | | | |

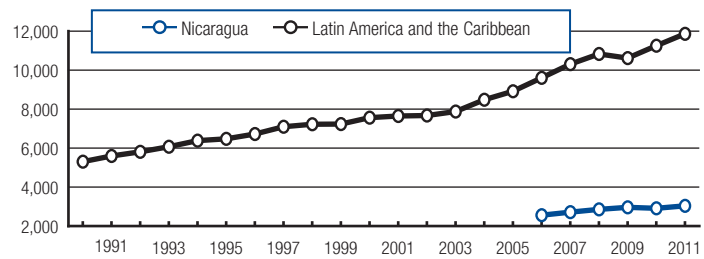
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Nicaragua

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 5.9 |
| GDP (US\$ billions)..... | 7.3 |
| GDP per capita (US\$)..... | 1,239 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

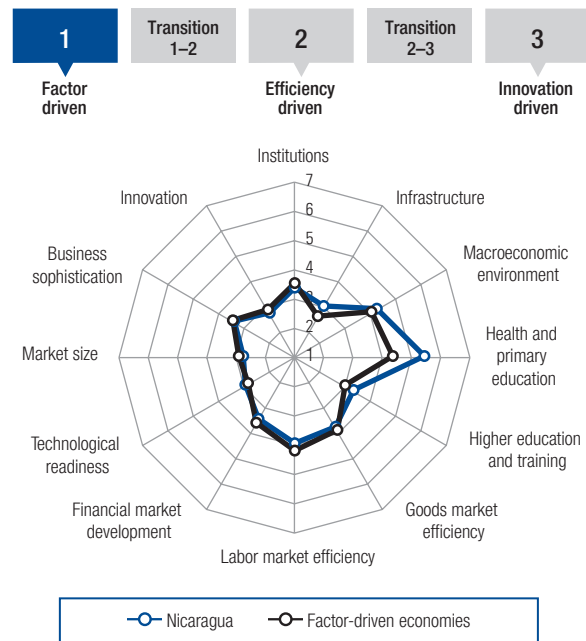
GDP (PPP) per capita (int'l \$), 1990–2011



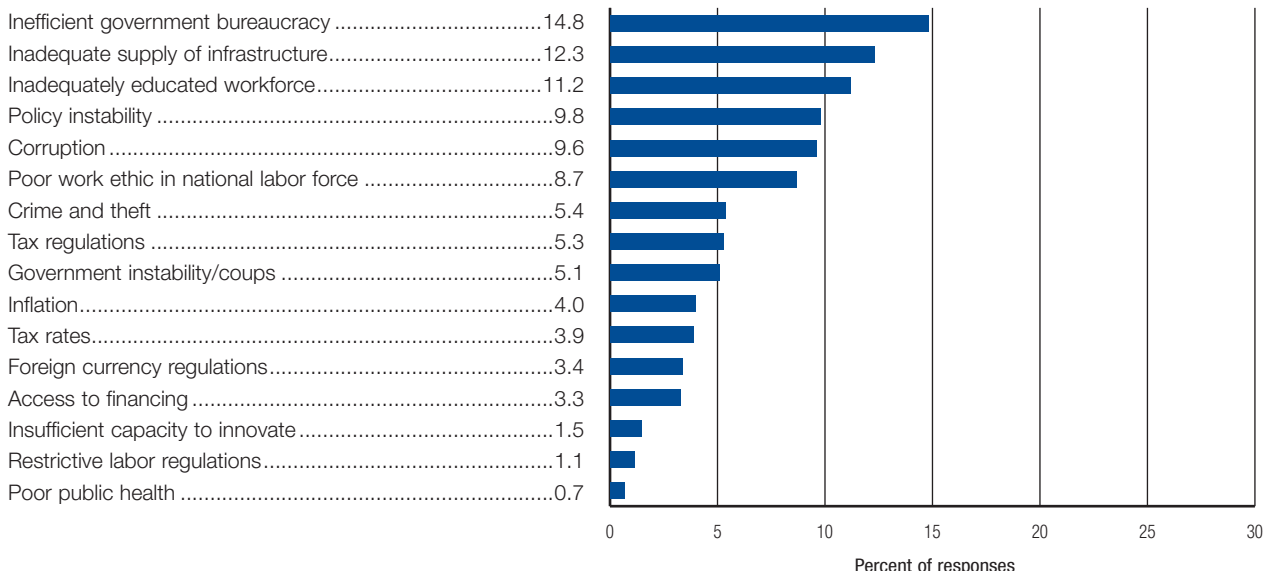
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 108 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 115 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 112 | 3.6 |
| Basic requirements (60.0%) | 104 | 4.0 |
| Institutions..... | 114 | 3.3 |
| Infrastructure..... | 106 | 3.0 |
| Macroeconomic environment..... | 101 | 4.2 |
| Health and primary education..... | 89 | 5.4 |
| Efficiency enhancers (35.0%) | 119 | 3.4 |
| Higher education and training..... | 110 | 3.3 |
| Goods market efficiency..... | 119 | 3.8 |
| Labor market efficiency..... | 109 | 4.0 |
| Financial market development..... | 116 | 3.5 |
| Technological readiness..... | 116 | 3.0 |
| Market size..... | 108 | 2.8 |
| Innovation and sophistication factors (5.0%) | 116 | 3.0 |
| Business sophistication..... | 114 | 3.4 |
| Innovation..... | 116 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Nicaragua

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 3.3 | 123 |
| 1.02 Intellectual property protection | 3.1 | 98 |
| 1.03 Diversion of public funds | 2.7 | 104 |
| 1.04 Public trust in politicians | 2.4 | 91 |
| 1.05 Irregular payments and bribes | 3.4 | 98 |
| 1.06 Judicial independence | 2.2 | 134 |
| 1.07 Favoritism in decisions of government officials | 2.7 | 102 |
| 1.08 Wastefulness of government spending | 3.2 | 75 |
| 1.09 Burden of government regulation | 3.3 | 81 |
| 1.10 Efficiency of legal framework in settling disputes | 3.1 | 112 |
| 1.11 Efficiency of legal framework in challenging regs. ... | 2.7 | 125 |
| 1.12 Transparency of government policymaking | 3.7 | 120 |
| 1.13 Gov't services for improved business performance | 3.6 | 78 |
| 1.14 Business costs of terrorism | 4.8 | 116 |
| 1.15 Business costs of crime and violence | 4.1 | 105 |
| 1.16 Organized crime | 4.2 | 113 |
| 1.17 Reliability of police services | 3.8 | 94 |
| 1.18 Ethical behavior of firms | 3.6 | 101 |
| 1.19 Strength of auditing and reporting standards | 4.2 | 96 |
| 1.20 Efficacy of corporate boards | 4.0 | 119 |
| 1.21 Protection of minority shareholders' interests | 3.5 | 125 |
| 1.22 Strength of investor protection, 0–10 (best)* | 5.0 | 80 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 3.4 | 106 |
| 2.02 Quality of roads | 3.8 | 75 |
| 2.03 Quality of railroad infrastructure | 2.2 | 85 |
| 2.04 Quality of port infrastructure | 3.2 | 124 |
| 2.05 Quality of air transport infrastructure | 4.2 | 90 |
| 2.06 Available airline seat kms/week, millions* | 19.6 | 121 |
| 2.07 Quality of electricity supply | 3.7 | 100 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 82.2 | 108 |
| 2.09 Fixed telephone lines/100 pop.* | 4.9 | 108 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | 0.5 | 26 |
| 3.02 Gross national savings, % GDP* | 13.7 | 106 |
| 3.03 Inflation, annual % change* | 8.1 | 108 |
| 3.04 General government debt, % GDP* | 72.0 | 118 |
| 3.05 Country credit rating, 0–100 (best)* | 23.0 | 121 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | 5.3 | 95 |
| 4.02 Malaria cases/100,000 pop.* | 20.0 | 88 |
| 4.03 Business impact of tuberculosis | 5.4 | 67 |
| 4.04 Tuberculosis cases/100,000 pop.* | 42.0 | 67 |
| 4.05 Business impact of HIV/AIDS | 5.2 | 77 |
| 4.06 HIV prevalence, % adult pop.* | 0.2 | 54 |
| 4.07 Infant mortality, deaths/1,000 live births* | 22.6 | 90 |
| 4.08 Life expectancy, years* | 73.7 | 67 |
| 4.09 Quality of primary education | 2.7 | 123 |
| 4.10 Primary education enrollment, net %* | 92.5 | 79 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 69.4 | 102 |
| 5.02 Tertiary education enrollment, gross %* | 18.0 | 94 |
| 5.03 Quality of the educational system | 2.8 | 121 |
| 5.04 Quality of math and science education | 2.7 | 128 |
| 5.05 Quality of management schools | 3.8 | 98 |
| 5.06 Internet access in schools | 3.1 | 112 |
| 5.07 Availability of research and training services | 3.2 | 124 |
| 5.08 Extent of staff training | 3.6 | 97 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 3.9 | 129 |
| 6.02 Extent of market dominance | 3.0 | 132 |
| 6.03 Effectiveness of anti-monopoly policy | 3.5 | 113 |
| 6.04 Extent and effect of taxation | 3.4 | 84 |
| 6.05 Total tax rate, % profits* | 66.8 | 130 |
| 6.06 No. procedures to start a business* | 8 | 87 |
| 6.07 No. days to start a business* | 39 | 117 |
| 6.08 Agricultural policy costs | 3.9 | 68 |
| 6.09 Prevalence of trade barriers | 3.6 | 127 |
| 6.10 Trade tariffs, % duty* | 3.9 | 49 |
| 6.11 Prevalence of foreign ownership | 4.3 | 100 |
| 6.12 Business impact of rules on FDI | 4.3 | 101 |
| 6.13 Burden of customs procedures | 3.1 | 131 |
| 6.14 Imports as a percentage of GDP* | 73.3 | 30 |
| 6.15 Degree of customer orientation | 3.8 | 125 |
| 6.16 Buyer sophistication | 3.3 | 79 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 4.2 | 80 |
| 7.02 Flexibility of wage determination | 4.5 | 107 |
| 7.03 Hiring and firing practices | 4.1 | 61 |
| 7.04 Redundancy costs, weeks of salary* | 15 | 69 |
| 7.05 Pay and productivity | 3.4 | 111 |
| 7.06 Reliance on professional management | 3.5 | 126 |
| 7.07 Brain drain | 3.0 | 99 |
| 7.08 Women in labor force, ratio to men* | 0.59 | 118 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 3.8 | 115 |
| 8.02 Affordability of financial services | 3.6 | 108 |
| 8.03 Financing through local equity market | 2.9 | 106 |
| 8.04 Ease of access to loans | 2.6 | 81 |
| 8.05 Venture capital availability | 2.7 | 61 |
| 8.06 Soundness of banks | 4.9 | 87 |
| 8.07 Regulation of securities exchanges | 3.8 | 94 |
| 8.08 Legal rights index, 0–10 (best)* | 3 | 118 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 3.8 | 133 |
| 9.02 Firm-level technology absorption | 4.0 | 122 |
| 9.03 FDI and technology transfer | 4.4 | 88 |
| 9.04 Individuals using Internet, %* | 10.6 | 118 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 1.8 | 96 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 12.9 | 73 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 1.0 | 112 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1–7 (best)* | 2.6 | 101 |
| 10.02 Foreign market size index, 1–7 (best)* | 3.2 | 116 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 3.8 | 135 |
| 11.02 Local supplier quality | 3.9 | 111 |
| 11.03 State of cluster development | 3.2 | 103 |
| 11.04 Nature of competitive advantage | 2.9 | 111 |
| 11.05 Value chain breadth | 3.4 | 87 |
| 11.06 Control of international distribution | 3.5 | 116 |
| 11.07 Production process sophistication | 3.1 | 114 |
| 11.08 Extent of marketing | 3.4 | 114 |
| 11.09 Willingness to delegate authority | 3.3 | 102 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 2.9 | 87 |
| 12.02 Quality of scientific research institutions | 2.7 | 124 |
| 12.03 Company spending on R&D | 2.8 | 102 |
| 12.04 University-industry collaboration in R&D | 3.1 | 108 |
| 12.05 Gov't procurement of advanced tech products | 3.1 | 116 |
| 12.06 Availability of scientists and engineers | 3.2 | 130 |
| 12.07 PCT patents, applications/million pop.* | 0.0 | 119 |

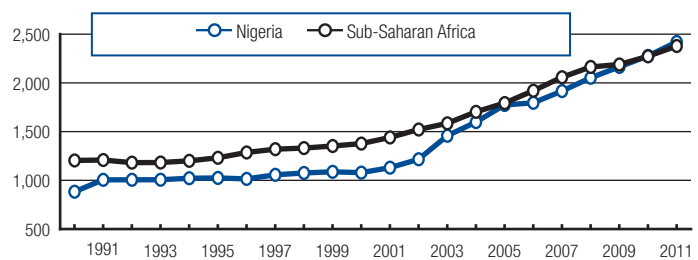
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Nigeria

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 163.1 |
| GDP (US\$ billions)..... | 238.9 |
| GDP per capita (US\$)..... | 1,490 |
| GDP (PPP) as share (%) of world total..... | 0.52 |

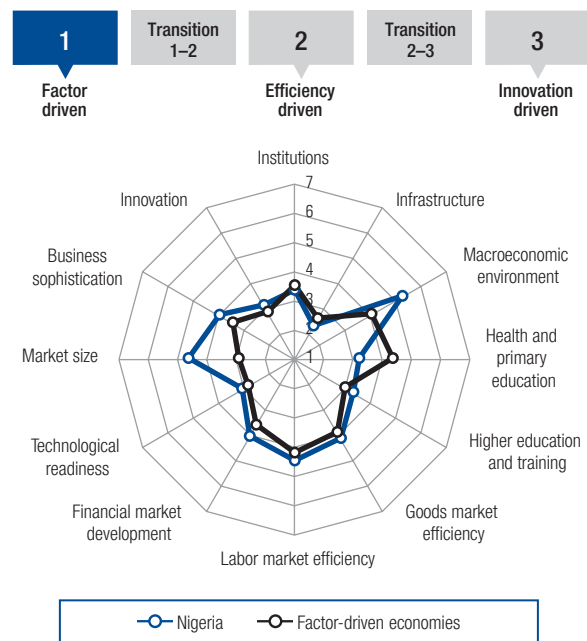
GDP (PPP) per capita (int'l \$), 1990–2011



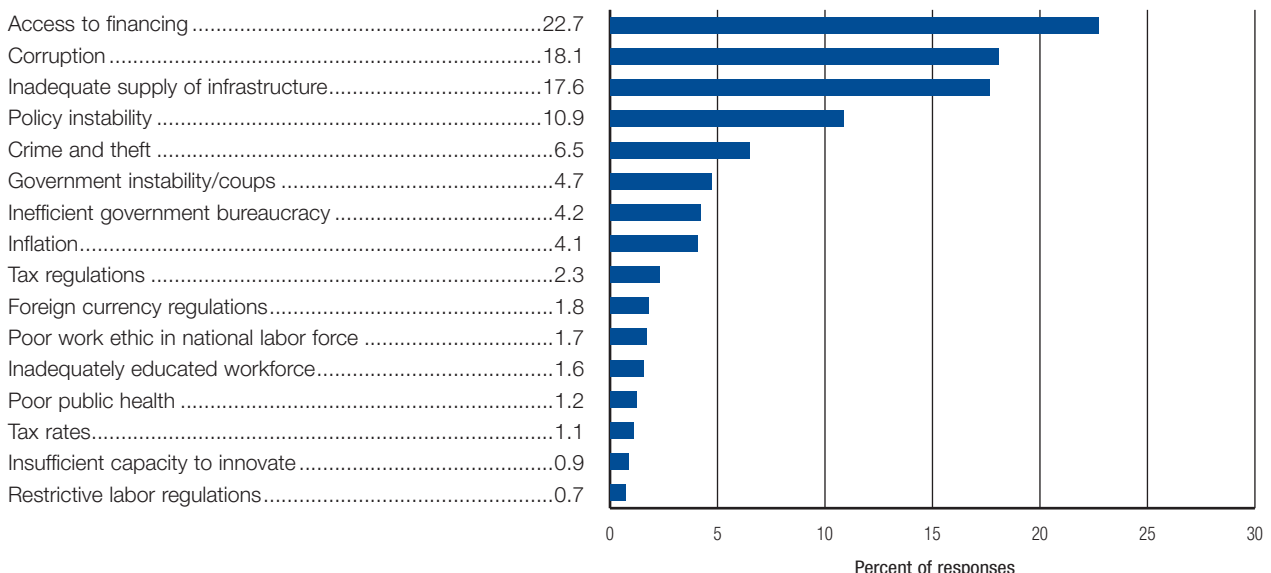
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 115 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 127 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 127 | 3.4 |
| Basic requirements (60.0%) | 130 | 3.5 |
| Institutions..... | 117 | 3.3 |
| Infrastructure..... | 130 | 2.3 |
| Macroeconomic environment..... | 39 | 5.2 |
| Health and primary education..... | 142 | 3.2 |
| Efficiency enhancers (35.0%) | 78 | 4.0 |
| Higher education and training..... | 113 | 3.3 |
| Goods market efficiency..... | 88 | 4.2 |
| Labor market efficiency..... | 55 | 4.5 |
| Financial market development..... | 68 | 4.1 |
| Technological readiness..... | 112 | 3.1 |
| Market size..... | 33 | 4.6 |
| Innovation and sophistication factors (5.0%) | 73 | 3.5 |
| Business sophistication..... | 66 | 4.0 |
| Innovation..... | 78 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Nigeria

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.4 | 119 | 6.01 | Intensity of local competition | 4.5 | 92 |
| 1.02 | Intellectual property protection | 2.9 | 110 | 6.02 | Extent of market dominance | 4.2 | 41 |
| 1.03 | Diversion of public funds | 2.2 | 135 | 6.03 | Effectiveness of anti-monopoly policy | 4.4 | 45 |
| 1.04 | Public trust in politicians | 2.2 | 102 | 6.04 | Extent and effect of taxation | 4.3 | 22 |
| 1.05 | Irregular payments and bribes | 2.9 | 127 | 6.05 | Total tax rate, % profits* | 32.7 | 46 |
| 1.06 | Judicial independence | 3.7 | 73 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 122 | 6.07 | No. days to start a business* | 34 | 109 |
| 1.08 | Wastefulness of government spending | 2.6 | 111 | 6.08 | Agricultural policy costs | 3.4 | 114 |
| 1.09 | Burden of government regulation | 3.9 | 36 | 6.09 | Prevalence of trade barriers | 3.9 | 108 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.1 | 48 | 6.10 | Trade tariffs, % duty* | 11.3 | 115 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.7 | 65 | 6.11 | Prevalence of foreign ownership | 4.7 | 67 |
| 1.12 | Transparency of government policymaking | 4.4 | 63 | 6.12 | Business impact of rules on FDI | 4.4 | 86 |
| 1.13 | Gov't services for improved business performance | 3.2 | 96 | 6.13 | Burden of customs procedures | 3.6 | 94 |
| 1.14 | Business costs of terrorism | 3.7 | 139 | 6.14 | Imports as a percentage of GDP* | 32.7 | 110 |
| 1.15 | Business costs of crime and violence | 3.3 | 128 | 6.15 | Degree of customer orientation | 4.5 | 88 |
| 1.16 | Organized crime | 3.5 | 133 | 6.16 | Buyer sophistication | 3.2 | 90 |
| 1.17 | Reliability of police services | 3.2 | 115 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 106 | 7.01 | Cooperation in labor-employer relations | 3.9 | 115 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 113 | 7.02 | Flexibility of wage determination | 5.0 | 74 |
| 1.20 | Efficacy of corporate boards | 4.3 | 89 | 7.03 | Hiring and firing practices | 4.9 | 17 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 91 | 7.04 | Redundancy costs, weeks of salary* | 16 | 76 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.6 | 100 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 58 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 117 | 7.07 | Brain drain | 3.8 | 48 |
| 2.02 | Quality of roads | 2.8 | 114 | 7.08 | Women in labor force, ratio to men* | 0.76 | 80 |
| 2.03 | Quality of railroad infrastructure | 1.9 | 95 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 106 | 8.01 | Availability of financial services | 3.8 | 106 |
| 2.05 | Quality of air transport infrastructure | 4.0 | 100 | 8.02 | Affordability of financial services | 4.1 | 68 |
| 2.06 | Available airline seat kms/week, millions* | 308.3 | 51 | 8.03 | Financing through local equity market | 3.8 | 51 |
| 2.07 | Quality of electricity supply | 1.7 | 138 | 8.04 | Ease of access to loans | 2.1 | 121 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 58.6 | 124 | 8.05 | Venture capital availability | 2.5 | 72 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.4 | 135 | 8.06 | Soundness of banks | 3.9 | 129 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.3 | 59 | |
| 3.01 | Government budget balance, % GDP* | 1.1 | 23 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 28.4 | 30 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 10.8 | 127 | 9.01 | Availability of latest technologies | 4.7 | 85 |
| 3.04 | General government debt, % GDP* | 17.9 | 23 | 9.02 | Firm-level technology absorption | 4.7 | 72 |
| 3.05 | Country credit rating, 0-100 (best)* | 35.8 | 90 | 9.03 | FDI and technology transfer | 4.3 | 90 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 28.4 | 91 | |
| 4.01 | Business impact of malaria | 3.4 | 129 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 119 |
| 4.02 | Malaria cases/100,000 pop.* | 36,059.5 | 141 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.4 | 139 |
| 4.03 | Business impact of tuberculosis | 4.3 | 118 | 9.07 | Mobile broadband subscriptions/100 pop.* | 2.8 | 97 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 133.0 | 101 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.3 | 114 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 32 |
| 4.06 | HIV prevalence, % adult pop.* | 3.6 | 130 | 10.02 | Foreign market size index, 1-7 (best)* | 5.2 | 35 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 88.4 | 139 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 51.4 | 134 | 11.01 | Local supplier quantity | 4.6 | 84 |
| 4.09 | Quality of primary education | 3.2 | 102 | 11.02 | Local supplier quality | 4.3 | 80 |
| 4.10 | Primary education enrollment, net %* | 57.6 | 140 | 11.03 | State of cluster development | 4.0 | 52 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 60 | |
| 5.01 | Secondary education enrollment, gross %* | 44.0 | 120 | 11.05 | Value chain breadth | 3.9 | 47 |
| 5.02 | Tertiary education enrollment, gross %* | 10.3 | 111 | 11.06 | Control of international distribution | 3.9 | 82 |
| 5.03 | Quality of the educational system | 3.5 | 83 | 11.07 | Production process sophistication | 3.6 | 75 |
| 5.04 | Quality of math and science education | 3.6 | 92 | 11.08 | Extent of marketing | 3.7 | 95 |
| 5.05 | Quality of management schools | 3.9 | 86 | 11.09 | Willingness to delegate authority | 3.9 | 51 |
| 5.06 | Internet access in schools | 3.5 | 99 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.2 | 68 | 12.01 | Capacity for innovation | 3.2 | 63 |
| 5.08 | Extent of staff training | 4.1 | 57 | 12.02 | Quality of scientific research institutions | 3.2 | 97 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 68 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 72 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 64 |
| | | | | 12.06 | Availability of scientists and engineers | 4.1 | 68 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 116 |

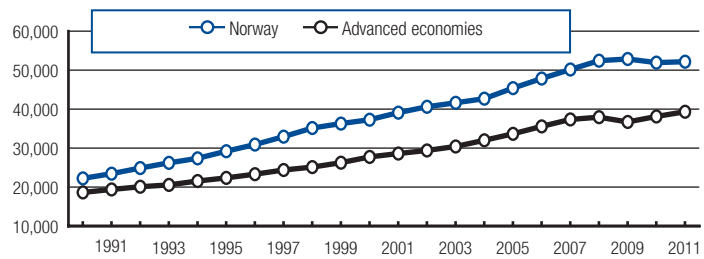
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Norway

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 5.1 |
| GDP (US\$ billions)..... | 483.7 |
| GDP per capita (US\$)..... | 97,255 |
| GDP (PPP) as share (%) of world total..... | 0.34 |

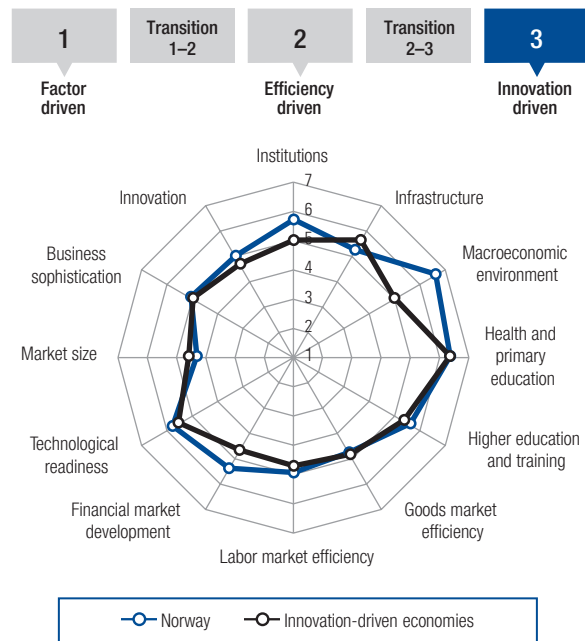
GDP (PPP) per capita (int'l \$), 1990–2011



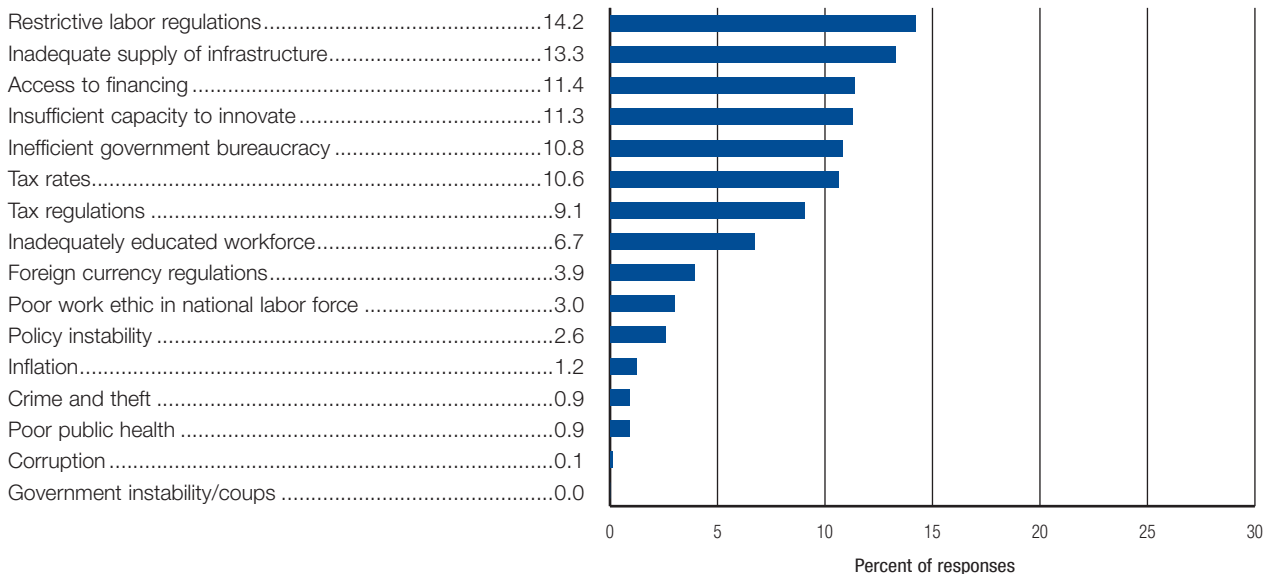
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 15 | 5.3 |
| GCI 2011–2012 (out of 142)..... | 16 | 5.2 |
| GCI 2010–2011 (out of 139)..... | 14 | 5.1 |
| Basic requirements (20.0%) | 9 | 5.9 |
| Institutions..... | 8 | 5.7 |
| Infrastructure..... | 27 | 5.2 |
| Macroeconomic environment..... | 3 | 6.6 |
| Health and primary education..... | 18 | 6.3 |
| Efficiency enhancers (50.0%) | 16 | 5.1 |
| Higher education and training..... | 12 | 5.6 |
| Goods market efficiency..... | 28 | 4.8 |
| Labor market efficiency..... | 18 | 5.0 |
| Financial market development..... | 7 | 5.4 |
| Technological readiness..... | 13 | 5.8 |
| Market size..... | 50 | 4.3 |
| Innovation and sophistication factors (30.0%) | 16 | 5.0 |
| Business sophistication..... | 19 | 5.1 |
| Innovation..... | 15 | 5.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Norway

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.9 | 10 | 6.01 | Intensity of local competition | 5.4 | 32 |
| 1.02 | Intellectual property protection | 5.5 | 14 | 6.02 | Extent of market dominance | 4.9 | 17 |
| 1.03 | Diversion of public funds | 5.9 | 10 | 6.03 | Effectiveness of anti-monopoly policy | 5.1 | 11 |
| 1.04 | Public trust in politicians | 5.7 | 4 | 6.04 | Extent and effect of taxation | 3.6 | 59 |
| 1.05 | Irregular payments and bribes | 6.3 | 8 | 6.05 | Total tax rate, % profits* | 41.6 | 82 |
| 1.06 | Judicial independence | 6.2 | 8 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 4.9 | 10 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 4.5 | 16 | 6.08 | Agricultural policy costs | 3.5 | 105 |
| 1.09 | Burden of government regulation | 3.4 | 65 | 6.09 | Prevalence of trade barriers | 4.2 | 86 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.6 | 7 | 6.10 | Trade tariffs, % duty* | 4.0 | 50 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.3 | 9 | 6.11 | Prevalence of foreign ownership | 5.3 | 30 |
| 1.12 | Transparency of government policymaking | 5.1 | 23 | 6.12 | Business impact of rules on FDI | 4.5 | 79 |
| 1.13 | Gov't services for improved business performance | 4.2 | 38 | 6.13 | Burden of customs procedures | 5.0 | 22 |
| 1.14 | Business costs of terrorism | 5.9 | 53 | 6.14 | Imports as a percentage of GDP* | 27.9 | 124 |
| 1.15 | Business costs of crime and violence | 5.8 | 17 | 6.15 | Degree of customer orientation | 5.2 | 31 |
| 1.16 | Organized crime | 6.2 | 22 | 6.16 | Buyer sophistication | 4.4 | 21 |
| 1.17 | Reliability of police services | 6.0 | 18 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.2 | 9 | 7.01 | Cooperation in labor-employer relations | 5.7 | 5 |
| 1.19 | Strength of auditing and reporting standards | 5.9 | 12 | 7.02 | Flexibility of wage determination | 3.5 | 133 |
| 1.20 | Efficacy of corporate boards | 5.6 | 5 | 7.03 | Hiring and firing practices | 2.8 | 135 |
| 1.21 | Protection of minority shareholders' interests | 5.8 | 4 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.7 | 24 | 7.05 | Pay and productivity | 3.8 | 77 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.1 | 4 | |
| 2.01 | Quality of overall infrastructure | 5.2 | 39 | 7.07 | Brain drain | 5.4 | 9 |
| 2.02 | Quality of roads | 3.6 | 84 | 7.08 | Women in labor force, ratio to men* | 0.94 | 14 |
| 2.03 | Quality of railroad infrastructure | 3.3 | 47 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.4 | 25 | 8.01 | Availability of financial services | 5.9 | 13 |
| 2.05 | Quality of air transport infrastructure | 6.2 | 13 | 8.02 | Affordability of financial services | 5.4 | 10 |
| 2.06 | Available airline seat kms/week, millions* | 488.3 | 38 | 8.03 | Financing through local equity market | 5.0 | 7 |
| 2.07 | Quality of electricity supply | 6.5 | 17 | 8.04 | Ease of access to loans | 4.4 | 6 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 116.8 | 50 | 8.05 | Venture capital availability | 4.3 | 6 |
| 2.09 | Fixed telephone lines/100 pop.* | 42.7 | 24 | 8.06 | Soundness of banks | 6.4 | 9 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.8 | 6 | |
| 3.01 | Government budget balance, % GDP* | 13.1 | 6 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 37.5 | 14 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.3 | 1 | 9.01 | Availability of latest technologies | 6.5 | 5 |
| 3.04 | General government debt, % GDP* | 49.6 | 96 | 9.02 | Firm-level technology absorption | 6.0 | 10 |
| 3.05 | Country credit rating, 0-100 (best)* | 94.8 | 1 | 9.03 | FDI and technology transfer | 4.8 | 54 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 94.0 | 2 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 36.5 | 6 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 151.3 | 9 |
| 4.03 | Business impact of tuberculosis | 6.8 | 1 | 9.07 | Mobile broadband subscriptions/100 pop.* | 24.4 | 40 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.0 | 14 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.6 | 5 | 10.01 | Domestic market size index, 1-7 (best)* | 4.1 | 51 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 46 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.8 | 9 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.0 | 12 | 11.01 | Local supplier quantity | 4.9 | 55 |
| 4.09 | Quality of primary education | 4.6 | 33 | 11.02 | Local supplier quality | 5.4 | 19 |
| 4.10 | Primary education enrollment, net %* | 99.1 | 15 | 11.03 | State of cluster development | 4.8 | 17 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.7 | 25 | |
| 5.01 | Secondary education enrollment, gross %* | 111.0 | 9 | 11.05 | Value chain breadth | 4.0 | 44 |
| 5.02 | Tertiary education enrollment, gross %* | 74.4 | 14 | 11.06 | Control of international distribution | 4.5 | 28 |
| 5.03 | Quality of the educational system | 5.0 | 18 | 11.07 | Production process sophistication | 5.6 | 13 |
| 5.04 | Quality of math and science education | 4.2 | 57 | 11.08 | Extent of marketing | 5.3 | 19 |
| 5.05 | Quality of management schools | 5.1 | 24 | 11.09 | Willingness to delegate authority | 5.7 | 3 |
| 5.06 | Internet access in schools | 5.9 | 17 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.4 | 14 | 12.01 | Capacity for innovation | 4.7 | 14 |
| 5.08 | Extent of staff training | 5.2 | 9 | 12.02 | Quality of scientific research institutions | 4.9 | 27 |
| | | | | 12.03 | Company spending on R&D | 4.3 | 20 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.0 | 19 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.1 | 28 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 42 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 143.6 | 11 |

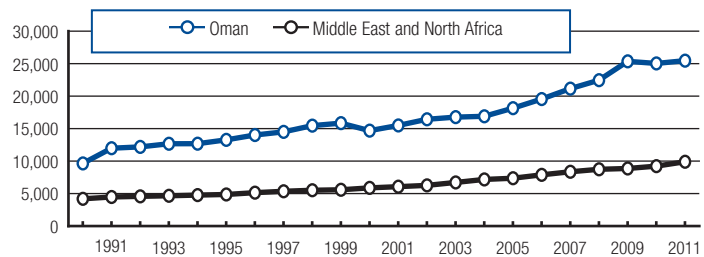
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Oman

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 2.9 |
| GDP (US\$ billions)..... | 71.9 |
| GDP per capita (US\$)..... | 23,315 |
| GDP (PPP) as share (%) of world total..... | 0.10 |

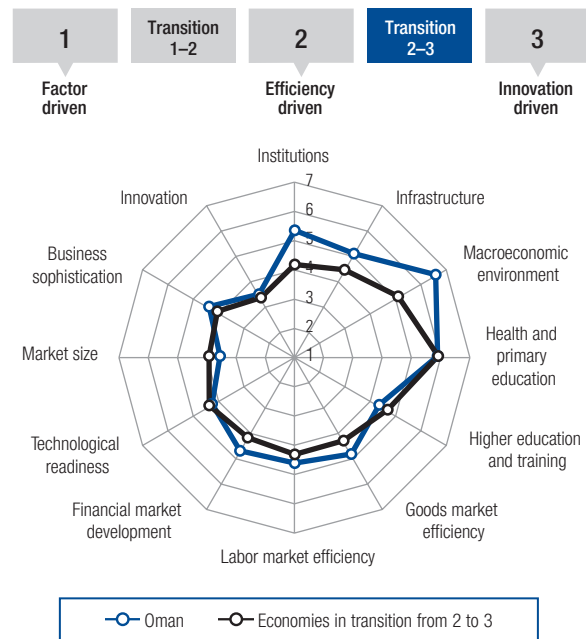
GDP (PPP) per capita (int'l \$), 1990–2011



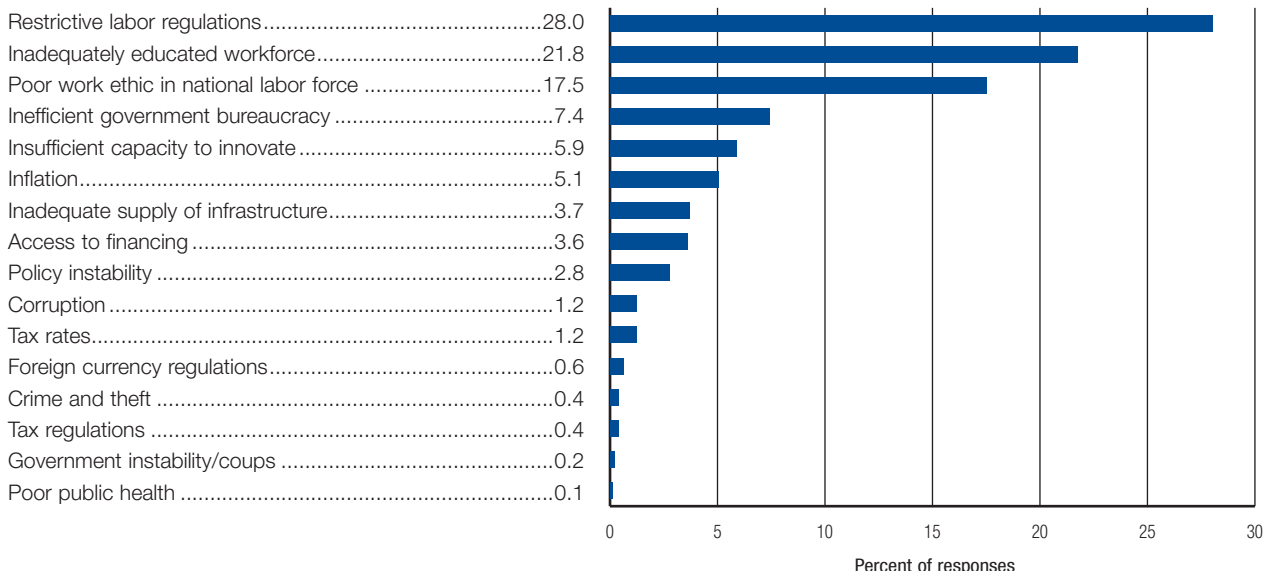
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 32 | 4.7 |
| GCI 2011–2012 (out of 142)..... | 32 | 4.6 |
| GCI 2010–2011 (out of 139)..... | 34 | 4.6 |
| Basic requirements (28.0%) | 15 | 5.7 |
| Institutions..... | 17 | 5.3 |
| Infrastructure..... | 33 | 5.0 |
| Macroeconomic environment..... | 5 | 6.6 |
| Health and primary education..... | 52 | 5.9 |
| Efficiency enhancers (50.0%) | 45 | 4.4 |
| Higher education and training..... | 61 | 4.3 |
| Goods market efficiency..... | 25 | 4.9 |
| Labor market efficiency..... | 36 | 4.7 |
| Financial market development..... | 26 | 4.7 |
| Technological readiness..... | 54 | 4.3 |
| Market size..... | 72 | 3.6 |
| Innovation and sophistication factors (22.0%) | 44 | 3.9 |
| Business sophistication..... | 37 | 4.4 |
| Innovation..... | 47 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.5 | 24 | 6.01 | Intensity of local competition | 5.1 | 47 |
| 1.02 | Intellectual property protection | 5.2 | 25 | 6.02 | Extent of market dominance | 3.8 | 61 |
| 1.03 | Diversion of public funds | 5.3 | 18 | 6.03 | Effectiveness of anti-monopoly policy | 4.7 | 28 |
| 1.04 | Public trust in politicians | 5.0 | 13 | 6.04 | Extent and effect of taxation | 5.6 | 5 |
| 1.05 | Irregular payments and bribes | 5.8 | 19 | 6.05 | Total tax rate, % profits* | 22.0 | 15 |
| 1.06 | Judicial independence | 5.1 | 31 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 4.5 | 16 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 5.4 | 6 | 6.08 | Agricultural policy costs | 4.9 | 7 |
| 1.09 | Burden of government regulation | 4.5 | 11 | 6.09 | Prevalence of trade barriers | 5.0 | 22 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.0 | 19 | 6.10 | Trade tariffs, % duty* | 4.7 | 65 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.5 | 33 | 6.11 | Prevalence of foreign ownership | 4.7 | 69 |
| 1.12 | Transparency of government policymaking | 5.0 | 25 | 6.12 | Business impact of rules on FDI | 5.1 | 30 |
| 1.13 | Gov't services for improved business performance | 5.0 | 7 | 6.13 | Burden of customs procedures | 4.9 | 30 |
| 1.14 | Business costs of terrorism | 6.4 | 15 | 6.14 | Imports as a percentage of GDP* | 45.8 | 70 |
| 1.15 | Business costs of crime and violence | 6.1 | 8 | 6.15 | Degree of customer orientation | 5.2 | 28 |
| 1.16 | Organized crime | 6.7 | 3 | 6.16 | Buyer sophistication | 3.6 | 56 |
| 1.17 | Reliability of police services | 5.7 | 25 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.4 | 22 | 7.01 | Cooperation in labor-employer relations | 5.2 | 19 |
| 1.19 | Strength of auditing and reporting standards | 5.6 | 20 | 7.02 | Flexibility of wage determination | 5.4 | 31 |
| 1.20 | Efficacy of corporate boards | 5.0 | 29 | 7.03 | Hiring and firing practices | 3.9 | 73 |
| 1.21 | Protection of minority shareholders' interests | 5.3 | 14 | 7.04 | Redundancy costs, weeks of salary* | 4 | 8 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 4.2 | 52 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.1 | 31 | |
| 2.01 | Quality of overall infrastructure | 5.8 | 20 | 7.07 | Brain drain | 4.8 | 16 |
| 2.02 | Quality of roads | 6.4 | 5 | 7.08 | Women in labor force, ratio to men* | 0.36 | 135 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.4 | 24 | 8.01 | Availability of financial services | 4.9 | 52 |
| 2.05 | Quality of air transport infrastructure | 5.5 | 40 | 8.02 | Affordability of financial services | 5.1 | 23 |
| 2.06 | Available airline seat kms/week, millions* | 182.1 | 67 | 8.03 | Financing through local equity market | 4.5 | 21 |
| 2.07 | Quality of electricity supply | 6.3 | 22 | 8.04 | Ease of access to loans | 4.2 | 11 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 169.0 | 7 | 8.05 | Venture capital availability | 3.8 | 14 |
| 2.09 | Fixed telephone lines/100 pop.* | 10.1 | 93 | 8.06 | Soundness of banks | 6.0 | 21 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.5 | 16 | |
| 3.01 | Government budget balance, % GDP* | 9.8 | 8 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 41.8 | 11 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.0 | 59 | 9.01 | Availability of latest technologies | 5.4 | 46 |
| 3.04 | General government debt, % GDP* | 5.1 | 4 | 9.02 | Firm-level technology absorption | 5.0 | 52 |
| 3.05 | Country credit rating, 0-100 (best)* | 69.7 | 36 | 9.03 | FDI and technology transfer | 4.9 | 45 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 68.0 | 37 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.8 | 92 |
| 4.02 | Malaria cases/100,000 pop.* | 0.0 | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 11.6 | 79 |
| 4.03 | Business impact of tuberculosis | 5.4 | 66 | 9.07 | Mobile broadband subscriptions/100 pop.* | 37.8 | 28 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 13.0 | 31 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.2 | 71 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 75 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.5 | 64 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 7.8 | 47 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.1 | 78 | 11.01 | Local supplier quantity | 5.0 | 48 |
| 4.09 | Quality of primary education | 4.1 | 59 | 11.02 | Local supplier quality | 4.8 | 50 |
| 4.10 | Primary education enrollment, net %* | 93.6 | 70 | 11.03 | State of cluster development | 4.1 | 39 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.7 | 55 | |
| 5.01 | Secondary education enrollment, gross %* | 100.3 | 32 | 11.05 | Value chain breadth | 3.7 | 61 |
| 5.02 | Tertiary education enrollment, gross %* | 24.5 | 83 | 11.06 | Control of international distribution | 4.7 | 20 |
| 5.03 | Quality of the educational system | 3.9 | 60 | 11.07 | Production process sophistication | 4.4 | 37 |
| 5.04 | Quality of math and science education | 3.7 | 86 | 11.08 | Extent of marketing | 4.2 | 64 |
| 5.05 | Quality of management schools | 3.6 | 107 | 11.09 | Willingness to delegate authority | 4.4 | 31 |
| 5.06 | Internet access in schools | 5.0 | 40 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.9 | 86 | 12.01 | Capacity for innovation | 3.4 | 50 |
| 5.08 | Extent of staff training | 4.4 | 34 | 12.02 | Quality of scientific research institutions | 3.5 | 74 |
| | | | | 12.03 | Company spending on R&D | 3.4 | 45 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 54 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.4 | 17 |
| | | | | 12.06 | Availability of scientists and engineers | 3.7 | 93 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.4 | 80 |

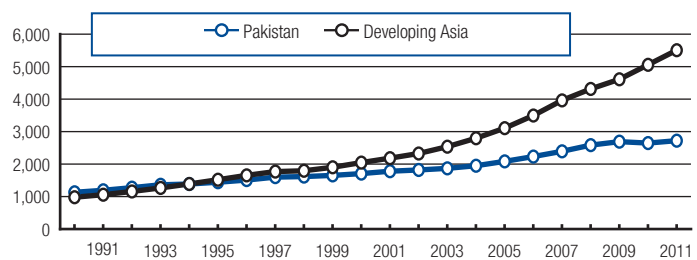
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Pakistan

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 177.8 |
| GDP (US\$ billions)..... | 210.6 |
| GDP per capita (US\$)..... | 1,201 |
| GDP (PPP) as share (%) of world total..... | 0.62 |

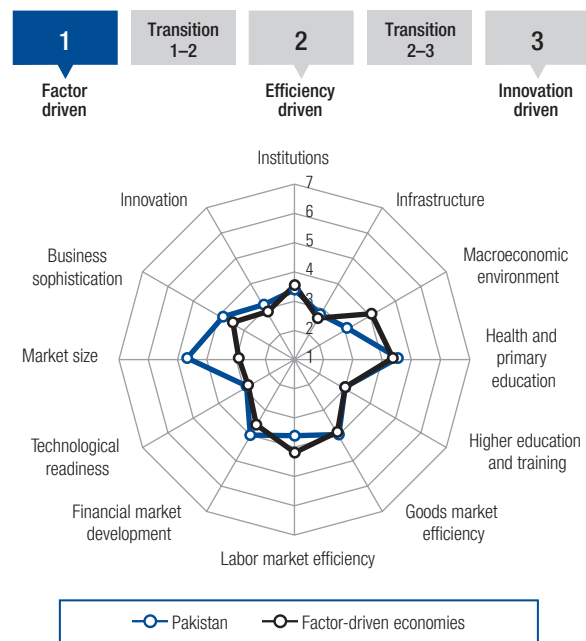
GDP (PPP) per capita (int'l \$), 1990–2011



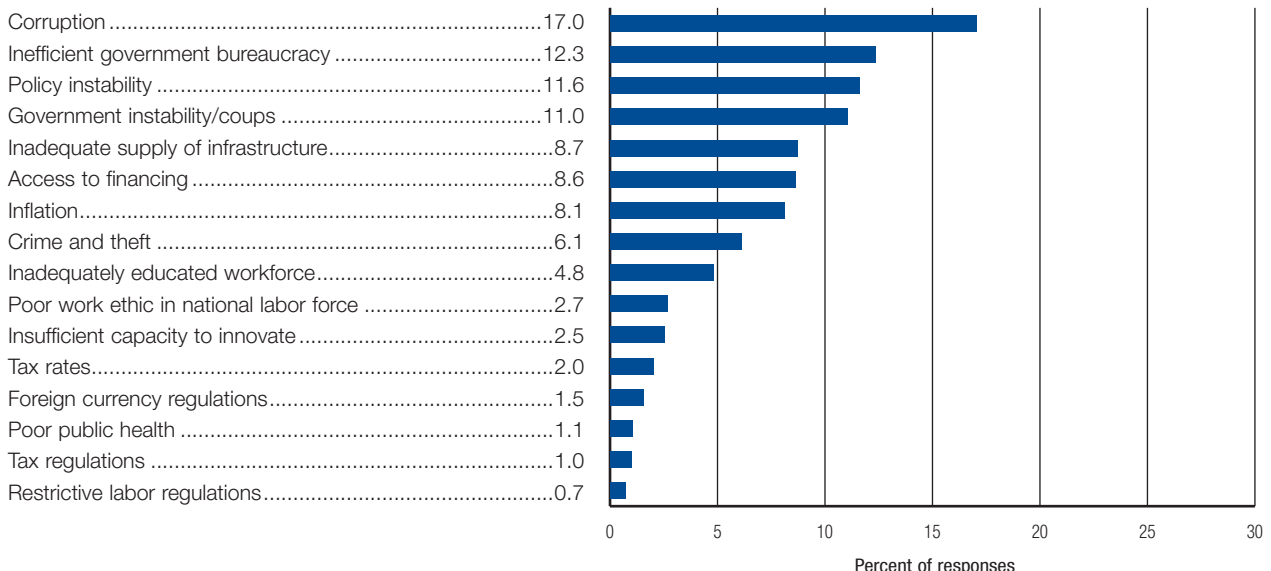
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 124 | 3.5 |
| GCI 2011–2012 (out of 142)..... | 118 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 123 | 3.5 |
| Basic requirements (60.0%) | 134 | 3.4 |
| Institutions..... | 115 | 3.3 |
| Infrastructure..... | 116 | 2.7 |
| Macroeconomic environment..... | 139 | 3.1 |
| Health and primary education..... | 117 | 4.5 |
| Efficiency enhancers (35.0%) | 98 | 3.7 |
| Higher education and training..... | 124 | 3.0 |
| Goods market efficiency..... | 97 | 4.0 |
| Labor market efficiency..... | 130 | 3.7 |
| Financial market development..... | 73 | 4.0 |
| Technological readiness..... | 118 | 2.9 |
| Market size..... | 30 | 4.7 |
| Innovation and sophistication factors (5.0%) | 75 | 3.5 |
| Business sophistication..... | 78 | 3.8 |
| Innovation..... | 77 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.5 | 116 | 6.01 | Intensity of local competition | 4.6 | 85 |
| 1.02 | Intellectual property protection | 3.0 | 106 | 6.02 | Extent of market dominance | 3.8 | 65 |
| 1.03 | Diversion of public funds | 3.0 | 76 | 6.03 | Effectiveness of anti-monopoly policy | 4.0 | 71 |
| 1.04 | Public trust in politicians | 2.3 | 99 | 6.04 | Extent and effect of taxation | 3.5 | 72 |
| 1.05 | Irregular payments and bribes | 3.1 | 119 | 6.05 | Total tax rate, % profits* | 35.3 | 59 |
| 1.06 | Judicial independence | 4.1 | 57 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 2.4 | 129 | 6.07 | No. days to start a business* | 21 | 87 |
| 1.08 | Wastefulness of government spending | 2.9 | 96 | 6.08 | Agricultural policy costs | 3.5 | 111 |
| 1.09 | Burden of government regulation | 3.4 | 62 | 6.09 | Prevalence of trade barriers | 3.8 | 114 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.1 | 109 | 6.10 | Trade tariffs, % duty* | 16.5 | 135 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 97 | 6.11 | Prevalence of foreign ownership | 3.9 | 119 |
| 1.12 | Transparency of government policymaking | 3.8 | 109 | 6.12 | Business impact of rules on FDI | 4.4 | 95 |
| 1.13 | Gov't services for improved business performance | 3.0 | 108 | 6.13 | Burden of customs procedures | 3.7 | 93 |
| 1.14 | Business costs of terrorism | 3.1 | 143 | 6.14 | Imports as a percentage of GDP* | 24.3 | 133 |
| 1.15 | Business costs of crime and violence | 3.1 | 132 | 6.15 | Degree of customer orientation | 4.4 | 96 |
| 1.16 | Organized crime | 3.4 | 136 | 6.16 | Buyer sophistication | 3.3 | 78 |
| 1.17 | Reliability of police services | 3.0 | 127 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 108 | 7.01 | Cooperation in labor-employer relations | 4.1 | 90 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 86 | 7.02 | Flexibility of wage determination | 4.8 | 92 |
| 1.20 | Efficacy of corporate boards | 4.1 | 111 | 7.03 | Hiring and firing practices | 4.7 | 21 |
| 1.21 | Protection of minority shareholders' interests | 4.0 | 81 | 7.04 | Redundancy costs, weeks of salary* | 27 | 115 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.9 | 73 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 101 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 105 | 7.07 | Brain drain | 3.5 | 62 |
| 2.02 | Quality of roads | 3.9 | 73 | 7.08 | Women in labor force, ratio to men* | 0.27 | 140 |
| 2.03 | Quality of railroad infrastructure | 2.6 | 66 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.4 | 60 | 8.01 | Availability of financial services | 4.0 | 95 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 78 | 8.02 | Affordability of financial services | 3.7 | 99 |
| 2.06 | Available airline seat kms/week, millions* | 390.2 | 49 | 8.03 | Financing through local equity market | 3.8 | 54 |
| 2.07 | Quality of electricity supply | 2.3 | 126 | 8.04 | Ease of access to loans | 2.9 | 65 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 61.6 | 122 | 8.05 | Venture capital availability | 2.8 | 55 |
| 2.09 | Fixed telephone lines/100 pop.* | 3.2 | 113 | 8.06 | Soundness of banks | 4.9 | 85 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.4 | 55 | |
| 3.01 | Government budget balance, % GDP* | -6.4 | 125 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 13.6 | 107 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 13.7 | 132 | 9.01 | Availability of latest technologies | 4.7 | 83 |
| 3.04 | General government debt, % GDP* | 60.1 | 107 | 9.02 | Firm-level technology absorption | 4.6 | 85 |
| 3.05 | Country credit rating, 0-100 (best)* | 24.4 | 116 | 9.03 | FDI and technology transfer | 3.8 | 119 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 9.0 | 120 | |
| 4.01 | Business impact of malaria | 4.1 | 118 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.4 | 109 |
| 4.02 | Malaria cases/100,000 pop.* | 1,236.9 | 110 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.8 | 108 |
| 4.03 | Business impact of tuberculosis | 4.2 | 120 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.3 | 121 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 231.0 | 122 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.5 | 106 | 10.01 | Domestic market size index, 1-7 (best)* | 4.7 | 26 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.6 | 58 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 69.7 | 130 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 65.2 | 109 | 11.01 | Local supplier quantity | 4.7 | 74 |
| 4.09 | Quality of primary education | 3.2 | 103 | 11.02 | Local supplier quality | 4.3 | 86 |
| 4.10 | Primary education enrollment, net %* | 74.1 | 131 | 11.03 | State of cluster development | 3.8 | 62 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.3 | 84 | |
| 5.01 | Secondary education enrollment, gross %* | 34.2 | 131 | 11.05 | Value chain breadth | 3.6 | 65 |
| 5.02 | Tertiary education enrollment, gross %* | 5.4 | 125 | 11.06 | Control of international distribution | 3.9 | 87 |
| 5.03 | Quality of the educational system | 3.6 | 75 | 11.07 | Production process sophistication | 3.6 | 73 |
| 5.04 | Quality of math and science education | 3.7 | 88 | 11.08 | Extent of marketing | 3.8 | 81 |
| 5.05 | Quality of management schools | 4.2 | 71 | 11.09 | Willingness to delegate authority | 3.4 | 94 |
| 5.06 | Internet access in schools | 3.6 | 93 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.6 | 102 | 12.01 | Capacity for innovation | 3.3 | 60 |
| 5.08 | Extent of staff training | 3.4 | 112 | 12.02 | Quality of scientific research institutions | 3.5 | 78 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 51 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.4 | 81 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 109 |
| | | | | 12.06 | Availability of scientists and engineers | 4.2 | 60 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 114 |

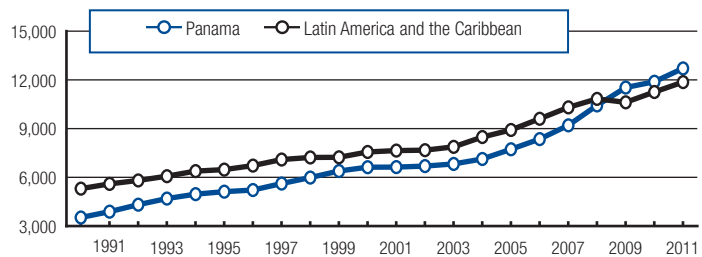
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Panama

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 3.6 |
| GDP (US\$ billions)..... | 30.6 |
| GDP per capita (US\$)..... | 8,514 |
| GDP (PPP) as share (%) of world total..... | 0.06 |

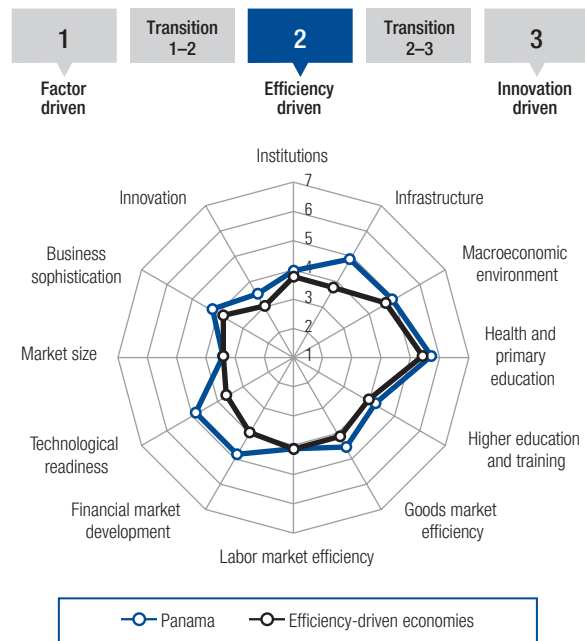
GDP (PPP) per capita (int'l \$), 1990–2011



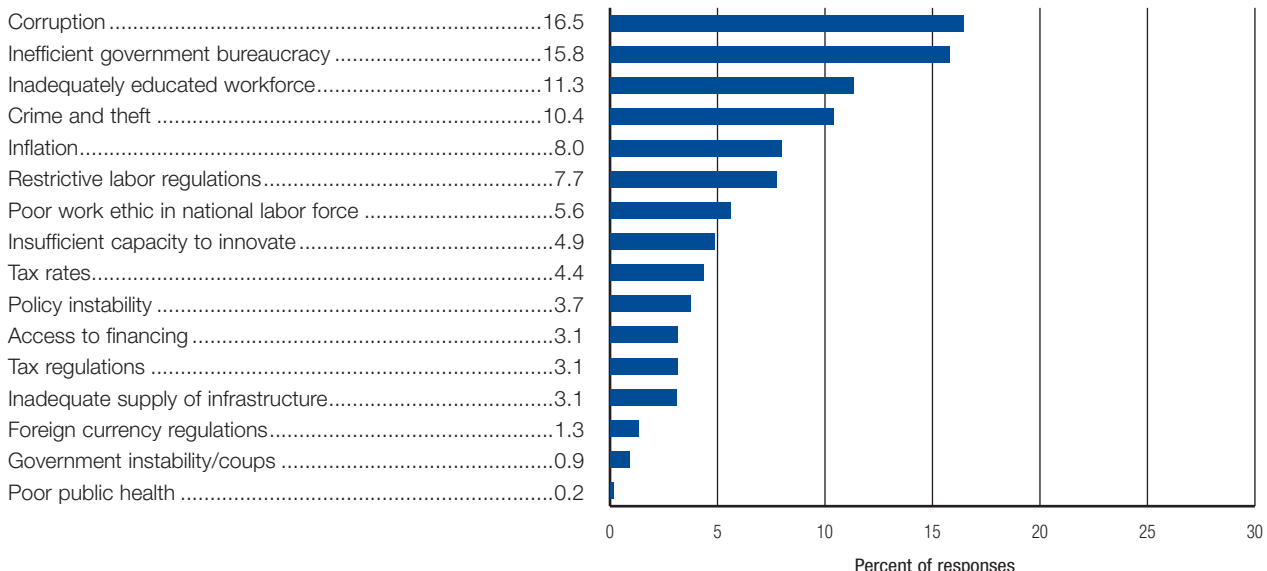
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 40 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 49 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 53 | 4.3 |
| Basic requirements (40.0%) | 50 | 4.8 |
| Institutions..... | 69 | 3.9 |
| Infrastructure..... | 37 | 4.8 |
| Macroeconomic environment..... | 53 | 4.9 |
| Health and primary education..... | 69 | 5.7 |
| Efficiency enhancers (50.0%) | 50 | 4.4 |
| Higher education and training..... | 69 | 4.2 |
| Goods market efficiency..... | 35 | 4.6 |
| Labor market efficiency..... | 89 | 4.2 |
| Financial market development..... | 23 | 4.9 |
| Technological readiness..... | 36 | 4.9 |
| Market size..... | 79 | 3.4 |
| Innovation and sophistication factors (10.0%) | 48 | 3.8 |
| Business sophistication..... | 50 | 4.2 |
| Innovation..... | 45 | 3.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.9 | 43 | 6.01 | Intensity of local competition | 5.0 | 55 |
| 1.02 | Intellectual property protection | 4.6 | 38 | 6.02 | Extent of market dominance | 4.0 | 48 |
| 1.03 | Diversion of public funds | 3.0 | 77 | 6.03 | Effectiveness of anti-monopoly policy | 4.8 | 23 |
| 1.04 | Public trust in politicians | 2.2 | 101 | 6.04 | Extent and effect of taxation | 4.0 | 34 |
| 1.05 | Irregular payments and bribes | 3.9 | 71 | 6.05 | Total tax rate, % profits* | 45.2 | 96 |
| 1.06 | Judicial independence | 2.3 | 132 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 103 | 6.07 | No. days to start a business* | 8 | 34 |
| 1.08 | Wastefulness of government spending | 3.7 | 37 | 6.08 | Agricultural policy costs | 3.8 | 77 |
| 1.09 | Burden of government regulation | 3.8 | 44 | 6.09 | Prevalence of trade barriers | 4.4 | 66 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.1 | 47 | 6.10 | Trade tariffs, % duty* | 6.8 | 84 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.5 | 80 | 6.11 | Prevalence of foreign ownership | 5.8 | 9 |
| 1.12 | Transparency of government policymaking | 4.8 | 33 | 6.12 | Business impact of rules on FDI | 5.8 | 5 |
| 1.13 | Gov't services for improved business performance | 4.7 | 11 | 6.13 | Burden of customs procedures | 4.4 | 53 |
| 1.14 | Business costs of terrorism | 5.4 | 87 | 6.14 | Imports as a percentage of GDP* | 81.2 | 23 |
| 1.15 | Business costs of crime and violence | 3.6 | 118 | 6.15 | Degree of customer orientation | 4.7 | 59 |
| 1.16 | Organized crime | 4.8 | 95 | 6.16 | Buyer sophistication | 3.5 | 69 |
| 1.17 | Reliability of police services | 4.7 | 52 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 64 | 7.01 | Cooperation in labor-employer relations | 4.4 | 58 |
| 1.19 | Strength of auditing and reporting standards | 5.2 | 36 | 7.02 | Flexibility of wage determination | 5.0 | 73 |
| 1.20 | Efficacy of corporate boards | 4.4 | 76 | 7.03 | Hiring and firing practices | 3.4 | 106 |
| 1.21 | Protection of minority shareholders' interests | 4.7 | 39 | 7.04 | Redundancy costs, weeks of salary* | 19 | 86 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 3.2 | 122 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 115 | |
| 2.01 | Quality of overall infrastructure | 5.1 | 44 | 7.07 | Brain drain | 4.5 | 29 |
| 2.02 | Quality of roads | 4.5 | 49 | 7.08 | Women in labor force, ratio to men* | 0.62 | 114 |
| 2.03 | Quality of railroad infrastructure | 4.0 | 32 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.4 | 4 | 8.01 | Availability of financial services | 6.3 | 4 |
| 2.05 | Quality of air transport infrastructure | 6.4 | 6 | 8.02 | Affordability of financial services | 6.0 | 2 |
| 2.06 | Available airline seat kms/week, millions* | 294.8 | 54 | 8.03 | Financing through local equity market | 4.3 | 34 |
| 2.07 | Quality of electricity supply | 5.5 | 43 | 8.04 | Ease of access to loans | 4.1 | 12 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 203.9 | 2 | 8.05 | Venture capital availability | 3.7 | 17 |
| 2.09 | Fixed telephone lines/100 pop.* | 15.2 | 81 | 8.06 | Soundness of banks | 6.6 | 4 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 78 | |
| 3.01 | Government budget balance, % GDP* | -2.4 | 58 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 16.3 | 89 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.9 | 90 | 9.01 | Availability of latest technologies | 6.0 | 30 |
| 3.04 | General government debt, % GDP* | 37.8 | 66 | 9.02 | Firm-level technology absorption | 5.6 | 25 |
| 3.05 | Country credit rating, 0-100 (best)* | 62.4 | 47 | 9.03 | FDI and technology transfer | 6.0 | 3 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 42.7 | 66 | |
| 4.01 | Business impact of malaria | 6.2 | 77 | 9.05 | Broadband Internet subscriptions/100 pop.* | 7.9 | 65 |
| 4.02 | Malaria cases/100,000 pop.* | 35.6 | 90 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 44.1 | 36 |
| 4.03 | Business impact of tuberculosis | 5.9 | 43 | 9.07 | Mobile broadband subscriptions/100 pop.* | 14.5 | 59 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 48.0 | 70 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.4 | 113 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 81 |
| 4.06 | HIV prevalence, % adult pop.* | 0.9 | 102 | 10.02 | Foreign market size index, 1-7 (best)* | 4.2 | 70 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 17.2 | 74 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.0 | 45 | 11.01 | Local supplier quantity | 4.7 | 75 |
| 4.09 | Quality of primary education | 2.9 | 115 | 11.02 | Local supplier quality | 4.8 | 52 |
| 4.10 | Primary education enrollment, net %* | 98.0 | 25 | 11.03 | State of cluster development | 3.8 | 66 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.9 | 41 | |
| 5.01 | Secondary education enrollment, gross %* | 74.1 | 99 | 11.05 | Value chain breadth | 4.1 | 41 |
| 5.02 | Tertiary education enrollment, gross %* | 44.6 | 57 | 11.06 | Control of international distribution | 4.4 | 40 |
| 5.03 | Quality of the educational system | 3.0 | 112 | 11.07 | Production process sophistication | 3.9 | 56 |
| 5.04 | Quality of math and science education | 2.8 | 125 | 11.08 | Extent of marketing | 4.9 | 32 |
| 5.05 | Quality of management schools | 4.1 | 82 | 11.09 | Willingness to delegate authority | 3.8 | 63 |
| 5.06 | Internet access in schools | 5.2 | 37 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.6 | 43 | 12.01 | Capacity for innovation | 2.9 | 94 |
| 5.08 | Extent of staff training | 4.2 | 43 | 12.02 | Quality of scientific research institutions | 4.0 | 53 |
| | | | | 12.03 | Company spending on R&D | 3.6 | 34 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.1 | 43 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.5 | 11 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 99 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.4 | 78 |

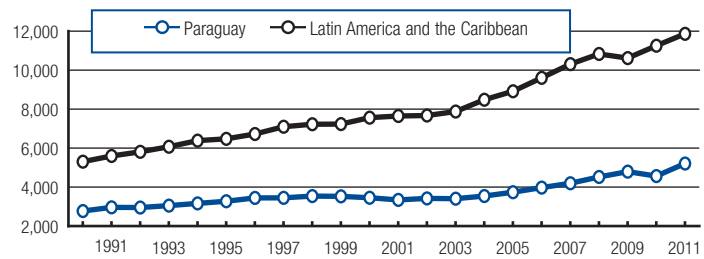
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Paraguay

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 6.6 |
| GDP (US\$ billions)..... | 21.2 |
| GDP per capita (US\$)..... | 3,252 |
| GDP (PPP) as share (%) of world total..... | 0.05 |

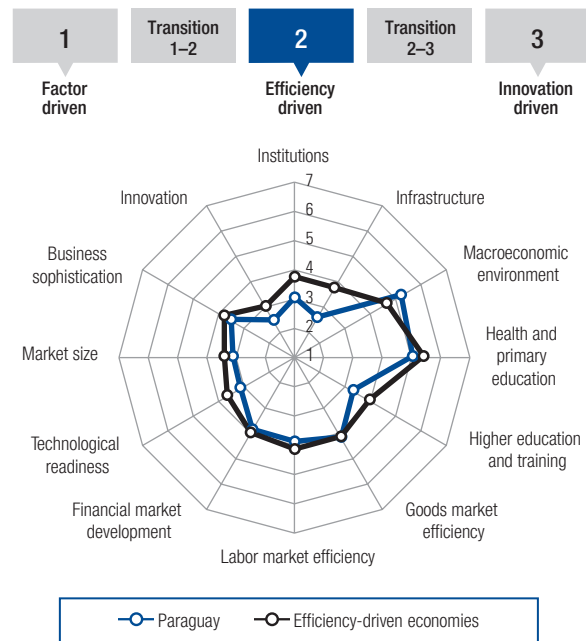
GDP (PPP) per capita (int'l \$), 1990–2011



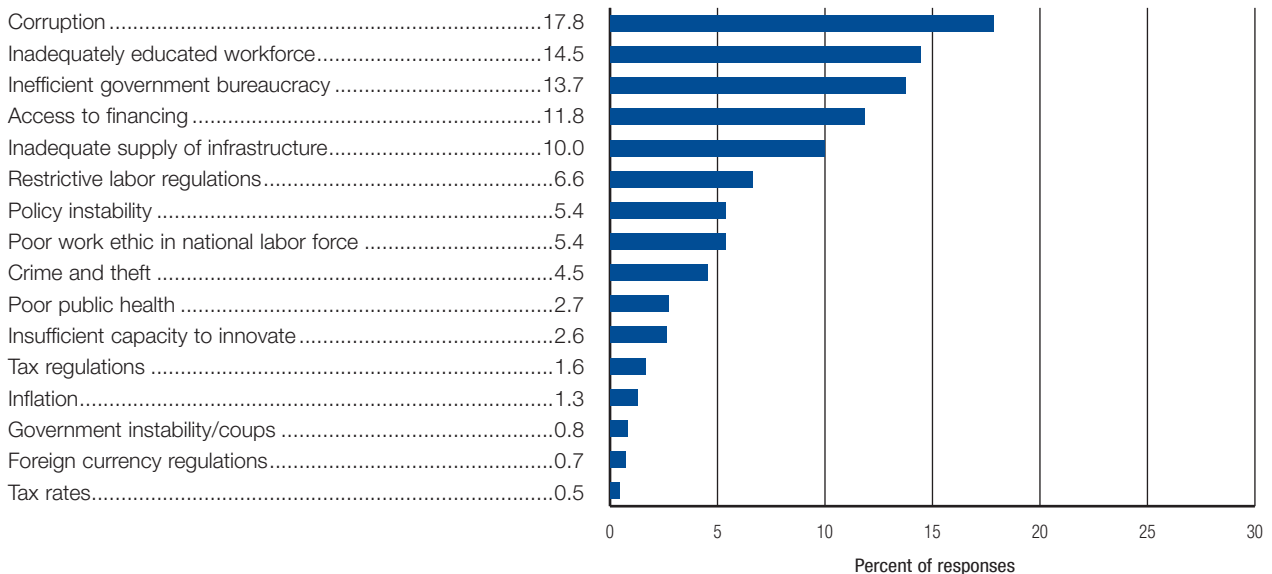
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 116 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 122 | 3.5 |
| GCI 2010–2011 (out of 139)..... | 120 | 3.5 |
| Basic requirements (40.0%) | 106 | 3.9 |
| Institutions..... | 135 | 3.0 |
| Infrastructure..... | 123 | 2.5 |
| Macroeconomic environment..... | 43 | 5.2 |
| Health and primary education..... | 108 | 5.0 |
| Efficiency enhancers (50.0%) | 110 | 3.6 |
| Higher education and training..... | 112 | 3.3 |
| Goods market efficiency..... | 81 | 4.2 |
| Labor market efficiency..... | 115 | 3.9 |
| Financial market development..... | 83 | 3.9 |
| Technological readiness..... | 107 | 3.1 |
| Market size..... | 90 | 3.1 |
| Innovation and sophistication factors (10.0%) | 123 | 3.0 |
| Business sophistication..... | 107 | 3.5 |
| Innovation..... | 132 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Paraguay

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.0 | 132 | 6.01 | Intensity of local competition | 4.8 | 73 |
| 1.02 | Intellectual property protection | 2.2 | 136 | 6.02 | Extent of market dominance | 3.4 | 89 |
| 1.03 | Diversion of public funds | 2.2 | 136 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 121 |
| 1.04 | Public trust in politicians | 1.6 | 140 | 6.04 | Extent and effect of taxation | 4.8 | 11 |
| 1.05 | Irregular payments and bribes | 3.1 | 121 | 6.05 | Total tax rate, % profits* | 35.0 | 56 |
| 1.06 | Judicial independence | 1.9 | 141 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 2.3 | 131 | 6.07 | No. days to start a business* | 35 | 112 |
| 1.08 | Wastefulness of government spending | 2.3 | 124 | 6.08 | Agricultural policy costs | 4.3 | 36 |
| 1.09 | Burden of government regulation | 3.8 | 39 | 6.09 | Prevalence of trade barriers | 4.5 | 58 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 127 | 6.10 | Trade tariffs, % duty* | 7.1 | 85 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.7 | 124 | 6.11 | Prevalence of foreign ownership | 4.5 | 83 |
| 1.12 | Transparency of government policymaking | 4.1 | 86 | 6.12 | Business impact of rules on FDI | 4.4 | 96 |
| 1.13 | Gov't services for improved business performance | 2.4 | 133 | 6.13 | Burden of customs procedures | 4.1 | 72 |
| 1.14 | Business costs of terrorism | 5.1 | 106 | 6.14 | Imports as a percentage of GDP* | 56.7 | 46 |
| 1.15 | Business costs of crime and violence | 3.5 | 121 | 6.15 | Degree of customer orientation | 4.5 | 87 |
| 1.16 | Organized crime | 4.0 | 124 | 6.16 | Buyer sophistication | 3.0 | 111 |
| 1.17 | Reliability of police services | 2.6 | 138 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.2 | 123 | 7.01 | Cooperation in labor-employer relations | 4.3 | 73 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 102 | 7.02 | Flexibility of wage determination | 5.1 | 70 |
| 1.20 | Efficacy of corporate boards | 4.1 | 108 | 7.03 | Hiring and firing practices | 3.3 | 115 |
| 1.21 | Protection of minority shareholders' interests | 3.7 | 107 | 7.04 | Redundancy costs, weeks of salary* | 26 | 112 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.4 | 110 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5 | 119 | |
| 2.01 | Quality of overall infrastructure | 2.6 | 140 | 7.07 | Brain drain | 3.0 | 106 |
| 2.02 | Quality of roads | 2.5 | 132 | 7.08 | Women in labor force, ratio to men* | 0.68 | 100 |
| 2.03 | Quality of railroad infrastructure | 1.1 | 123 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.6 | 105 | 8.01 | Availability of financial services | 4.6 | 71 |
| 2.05 | Quality of air transport infrastructure | 2.5 | 141 | 8.02 | Affordability of financial services | 4.5 | 47 |
| 2.06 | Available airline seat kms/week, millions* | 19.5 | 122 | 8.03 | Financing through local equity market | 3.4 | 73 |
| 2.07 | Quality of electricity supply | 3.0 | 115 | 8.04 | Ease of access to loans | 3.2 | 41 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 99.4 | 85 | 8.05 | Venture capital availability | 2.6 | 70 |
| 2.09 | Fixed telephone lines/100 pop.* | 5.6 | 106 | 8.06 | Soundness of banks | 5.7 | 39 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 88 | |
| 3.01 | Government budget balance, % GDP* | 1.2 | 22 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 18.1 | 81 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.6 | 96 | 9.01 | Availability of latest technologies | 4.5 | 100 |
| 3.04 | General government debt, % GDP* | 13.7 | 17 | 9.02 | Firm-level technology absorption | 4.3 | 102 |
| 3.05 | Country credit rating, 0-100 (best)* | 36.9 | 86 | 9.03 | FDI and technology transfer | 4.0 | 112 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 23.9 | 93 | |
| 4.01 | Business impact of malaria | 5.6 | 88 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.0 | 102 |
| 4.02 | Malaria cases/100,000 pop.* | 2.3 | 81 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 9.5 | 87 |
| 4.03 | Business impact of tuberculosis | 5.4 | 71 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.5 | 83 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 46.0 | 69 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 79 | 10.01 | Domestic market size index, 1-7 (best)* | 3.0 | 89 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 68 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5 | 99 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 20.8 | 87 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 72.3 | 88 | 11.01 | Local supplier quantity | 4.6 | 81 |
| 4.09 | Quality of primary education | 2.1 | 140 | 11.02 | Local supplier quality | 4.1 | 95 |
| 4.10 | Primary education enrollment, net %* | 85.1 | 116 | 11.03 | State of cluster development | 3.0 | 119 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 127 | |
| 5.01 | Secondary education enrollment, gross %* | 66.9 | 104 | 11.05 | Value chain breadth | 3.0 | 113 |
| 5.02 | Tertiary education enrollment, gross %* | 36.6 | 70 | 11.06 | Control of international distribution | 4.0 | 78 |
| 5.03 | Quality of the educational system | 2.5 | 133 | 11.07 | Production process sophistication | 3.2 | 102 |
| 5.04 | Quality of math and science education | 2.2 | 140 | 11.08 | Extent of marketing | 4.0 | 75 |
| 5.05 | Quality of management schools | 3.3 | 124 | 11.09 | Willingness to delegate authority | 3.1 | 123 |
| 5.06 | Internet access in schools | 2.4 | 131 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.3 | 121 | 12.01 | Capacity for innovation | 2.7 | 109 |
| 5.08 | Extent of staff training | 3.5 | 107 | 12.02 | Quality of scientific research institutions | 2.0 | 142 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 110 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.7 | 126 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.9 | 125 |
| | | | | 12.06 | Availability of scientists and engineers | 3.0 | 134 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 99 |

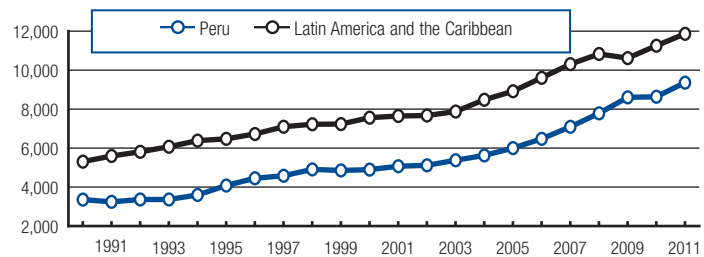
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Peru

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 29.7 |
| GDP (US\$ billions)..... | 173.5 |
| GDP per capita (US\$)..... | 5,782 |
| GDP (PPP) as share (%) of world total..... | 0.38 |

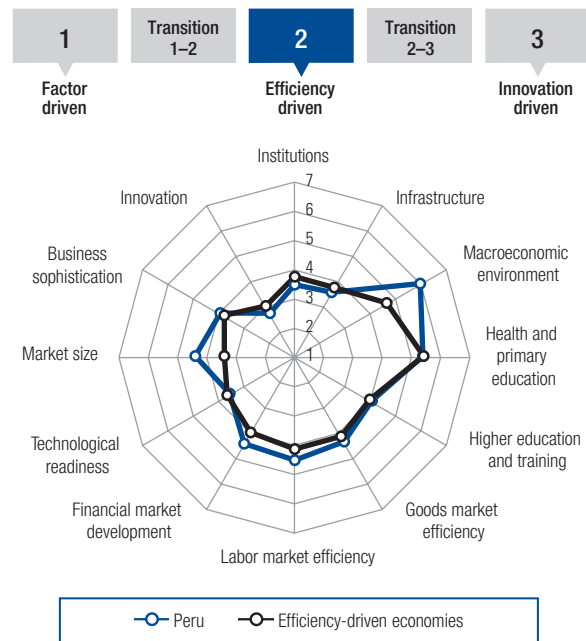
GDP (PPP) per capita (int'l \$), 1990–2011



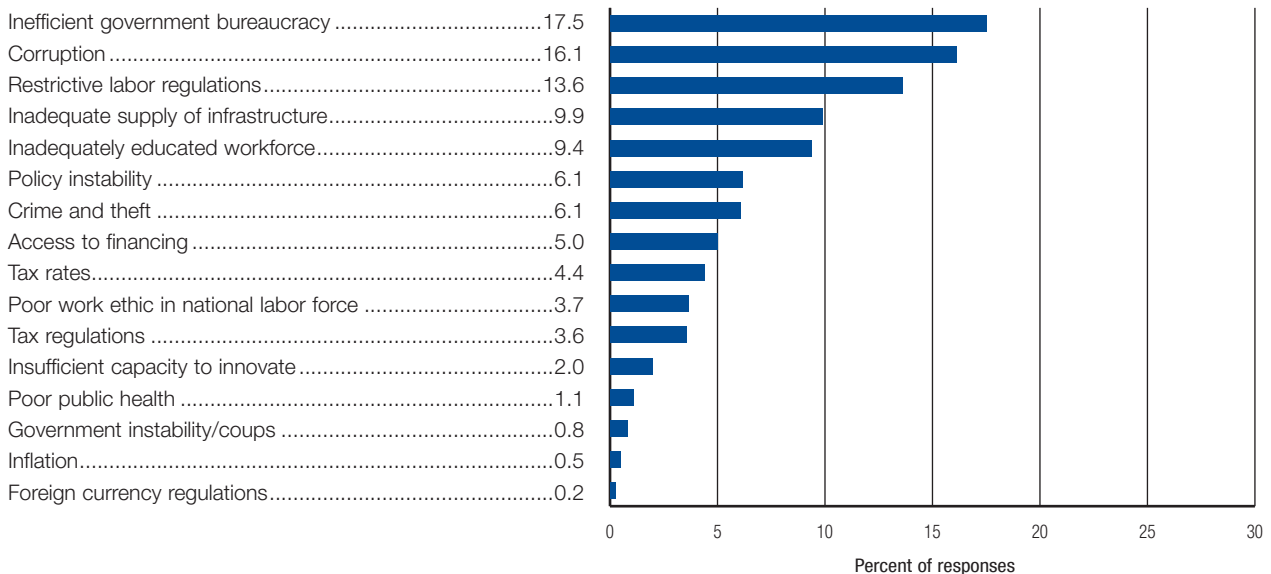
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 61 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 67 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 73 | 4.1 |
| Basic requirements (40.0%) | 69 | 4.6 |
| Institutions..... | 105 | 3.4 |
| Infrastructure..... | 89 | 3.5 |
| Macroeconomic environment..... | 21 | 5.9 |
| Health and primary education..... | 91 | 5.4 |
| Efficiency enhancers (50.0%) | 57 | 4.2 |
| Higher education and training..... | 80 | 4.0 |
| Goods market efficiency..... | 53 | 4.4 |
| Labor market efficiency..... | 45 | 4.6 |
| Financial market development..... | 45 | 4.5 |
| Technological readiness..... | 83 | 3.6 |
| Market size..... | 45 | 4.4 |
| Innovation and sophistication factors (10.0%) | 94 | 3.3 |
| Business sophistication..... | 68 | 3.9 |
| Innovation..... | 117 | 2.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.8 | 98 | 6.01 | Intensity of local competition | 5.1 | 49 |
| 1.02 | Intellectual property protection | 2.6 | 127 | 6.02 | Extent of market dominance | 3.4 | 93 |
| 1.03 | Diversion of public funds | 2.7 | 103 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 58 |
| 1.04 | Public trust in politicians | 1.9 | 127 | 6.04 | Extent and effect of taxation | 3.4 | 79 |
| 1.05 | Irregular payments and bribes | 3.9 | 72 | 6.05 | Total tax rate, % profits* | 40.7 | 77 |
| 1.06 | Judicial independence | 2.5 | 125 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.9 | 82 | 6.07 | No. days to start a business* | 26 | 93 |
| 1.08 | Wastefulness of government spending | 3.5 | 49 | 6.08 | Agricultural policy costs | 3.9 | 72 |
| 1.09 | Burden of government regulation | 2.7 | 128 | 6.09 | Prevalence of trade barriers | 4.6 | 41 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.0 | 118 | 6.10 | Trade tariffs, % duty* | 2.0 | 36 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.1 | 105 | 6.11 | Prevalence of foreign ownership | 5.3 | 34 |
| 1.12 | Transparency of government policymaking | 4.1 | 88 | 6.12 | Business impact of rules on FDI | 5.3 | 21 |
| 1.13 | Gov't services for improved business performance | 3.4 | 81 | 6.13 | Burden of customs procedures | 4.1 | 68 |
| 1.14 | Business costs of terrorism | 4.7 | 119 | 6.14 | Imports as a percentage of GDP* | 25.5 | 129 |
| 1.15 | Business costs of crime and violence | 3.4 | 125 | 6.15 | Degree of customer orientation | 4.9 | 45 |
| 1.16 | Organized crime | 3.9 | 126 | 6.16 | Buyer sophistication | 3.6 | 54 |
| 1.17 | Reliability of police services | 3.0 | 128 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 93 | 7.01 | Cooperation in labor-employer relations | 4.3 | 66 |
| 1.19 | Strength of auditing and reporting standards | 5.0 | 49 | 7.02 | Flexibility of wage determination | 5.3 | 50 |
| 1.20 | Efficacy of corporate boards | 4.7 | 54 | 7.03 | Hiring and firing practices | 3.4 | 107 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 71 | 7.04 | Redundancy costs, weeks of salary* | 11 | 48 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 3.6 | 88 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.6 | 47 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 111 | 7.07 | Brain drain | 3.9 | 43 |
| 2.02 | Quality of roads | 3.1 | 100 | 7.08 | Women in labor force, ratio to men* | 0.81 | 67 |
| 2.03 | Quality of railroad infrastructure | 1.9 | 97 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.5 | 111 | 8.01 | Availability of financial services | 5.0 | 46 |
| 2.05 | Quality of air transport infrastructure | 4.5 | 74 | 8.02 | Affordability of financial services | 4.6 | 39 |
| 2.06 | Available airline seat kms/week, millions* | 452.0 | 42 | 8.03 | Financing through local equity market | 3.6 | 61 |
| 2.07 | Quality of electricity supply | 4.8 | 74 | 8.04 | Ease of access to loans | 3.6 | 26 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 110.4 | 58 | 8.05 | Venture capital availability | 2.9 | 46 |
| 2.09 | Fixed telephone lines/100 pop.* | 11.1 | 87 | 8.06 | Soundness of banks | 6.0 | 20 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 105 | |
| 3.01 | Government budget balance, % GDP* | 1.9 | 19 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 24.3 | 49 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 36 | 9.01 | Availability of latest technologies | 4.9 | 75 |
| 3.04 | General government debt, % GDP* | 21.6 | 28 | 9.02 | Firm-level technology absorption | 4.7 | 79 |
| 3.05 | Country credit rating, 0-100 (best)* | 63.7 | 44 | 9.03 | FDI and technology transfer | 5.0 | 30 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 36.5 | 76 | |
| 4.01 | Business impact of malaria | 5.5 | 90 | 9.05 | Broadband Internet subscriptions/100 pop.* | 3.5 | 83 |
| 4.02 | Malaria cases/100,000 pop.* | 311.1 | 105 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 9.3 | 88 |
| 4.03 | Business impact of tuberculosis | 5.0 | 87 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.4 | 108 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 106.0 | 93 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.0 | 87 | 10.01 | Domestic market size index, 1-7 (best)* | 4.3 | 43 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 55 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 14.9 | 68 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.8 | 66 | 11.01 | Local supplier quantity | 5.0 | 47 |
| 4.09 | Quality of primary education | 2.1 | 138 | 11.02 | Local supplier quality | 4.6 | 61 |
| 4.10 | Primary education enrollment, net %* | 95.4 | 51 | 11.03 | State of cluster development | 3.6 | 75 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 101 | |
| 5.01 | Secondary education enrollment, gross %* | 91.4 | 59 | 11.05 | Value chain breadth | 3.4 | 90 |
| 5.02 | Tertiary education enrollment, gross %* | 43.0 | 58 | 11.06 | Control of international distribution | 4.0 | 68 |
| 5.03 | Quality of the educational system | 2.5 | 132 | 11.07 | Production process sophistication | 3.5 | 78 |
| 5.04 | Quality of math and science education | 2.1 | 141 | 11.08 | Extent of marketing | 4.2 | 57 |
| 5.05 | Quality of management schools | 4.5 | 49 | 11.09 | Willingness to delegate authority | 3.7 | 78 |
| 5.06 | Internet access in schools | 3.7 | 89 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.9 | 85 | 12.01 | Capacity for innovation | 2.8 | 103 |
| 5.08 | Extent of staff training | 3.8 | 84 | 12.02 | Quality of scientific research institutions | 2.8 | 116 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 118 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.1 | 110 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 99 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 120 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 88 |

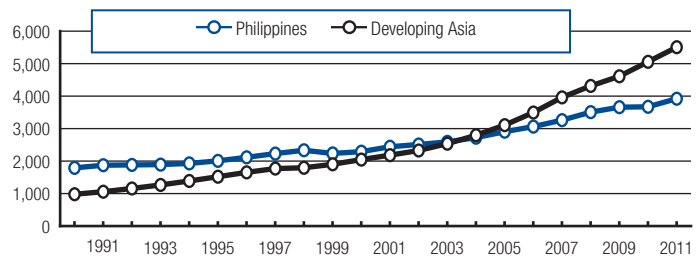
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Philippines

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 95.3 |
| GDP (US\$ billions)..... | 213.1 |
| GDP per capita (US\$)..... | 2,223 |
| GDP (PPP) as share (%) of world total..... | 0.50 |

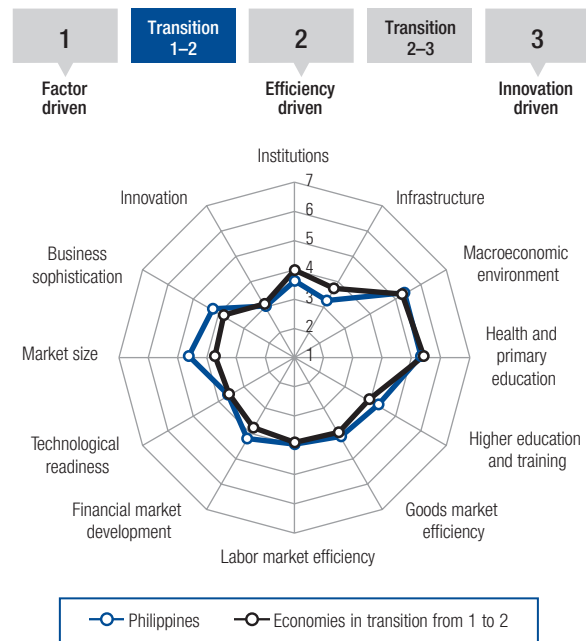
GDP (PPP) per capita (int'l \$), 1990–2011



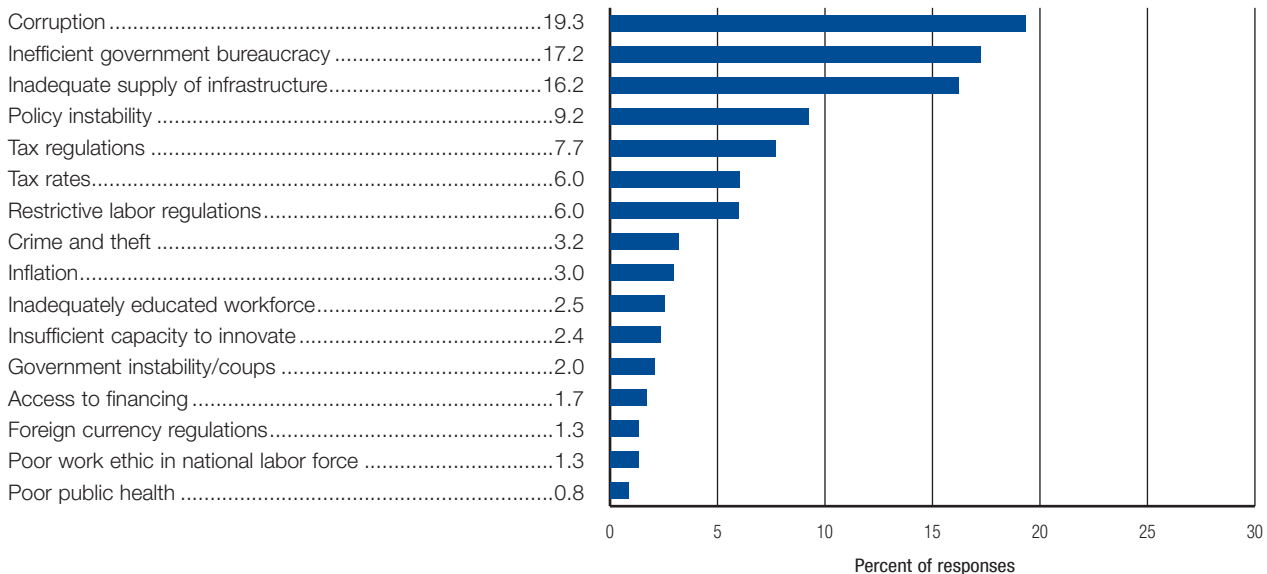
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 65 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 75 | 4.1 |
| GCI 2010–2011 (out of 139)..... | 85 | 4.0 |
| Basic requirements (55.5%) | 80 | 4.3 |
| Institutions..... | 94 | 3.6 |
| Infrastructure..... | 98 | 3.2 |
| Macroeconomic environment..... | 36 | 5.3 |
| Health and primary education..... | 98 | 5.3 |
| Efficiency enhancers (38.4%) | 61 | 4.2 |
| Higher education and training..... | 64 | 4.3 |
| Goods market efficiency..... | 86 | 4.2 |
| Labor market efficiency..... | 103 | 4.0 |
| Financial market development..... | 58 | 4.3 |
| Technological readiness..... | 79 | 3.6 |
| Market size..... | 35 | 4.6 |
| Innovation and sophistication factors (6.1%) | 64 | 3.6 |
| Business sophistication..... | 49 | 4.2 |
| Innovation..... | 94 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Philippines

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 74 | 6.01 | Intensity of local competition | 5.1 | 50 |
| 1.02 | Intellectual property protection | 3.2 | 87 | 6.02 | Extent of market dominance | 3.3 | 98 |
| 1.03 | Diversion of public funds | 2.8 | 100 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 84 |
| 1.04 | Public trust in politicians | 2.4 | 95 | 6.04 | Extent and effect of taxation | 3.6 | 57 |
| 1.05 | Irregular payments and bribes | 3.2 | 108 | 6.05 | Total tax rate, % profits* | 46.5 | 102 |
| 1.06 | Judicial independence | 3.0 | 99 | 6.06 | No. procedures to start a business* | 15 | 137 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 87 | 6.07 | No. days to start a business* | 35 | 112 |
| 1.08 | Wastefulness of government spending | 3.0 | 86 | 6.08 | Agricultural policy costs | 3.8 | 76 |
| 1.09 | Burden of government regulation | 3.0 | 108 | 6.09 | Prevalence of trade barriers | 4.3 | 76 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.2 | 107 | 6.10 | Trade tariffs, % duty* | 4.2 | 53 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 102 | 6.11 | Prevalence of foreign ownership | 4.8 | 66 |
| 1.12 | Transparency of government policymaking | 4.0 | 97 | 6.12 | Business impact of rules on FDI | 4.6 | 69 |
| 1.13 | Gov't services for improved business performance | 3.9 | 51 | 6.13 | Burden of customs procedures | 3.2 | 126 |
| 1.14 | Business costs of terrorism | 4.4 | 126 | 6.14 | Imports as a percentage of GDP* | 35.7 | 97 |
| 1.15 | Business costs of crime and violence | 3.9 | 107 | 6.15 | Degree of customer orientation | 5.3 | 27 |
| 1.16 | Organized crime | 4.7 | 97 | 6.16 | Buyer sophistication | 3.6 | 57 |
| 1.17 | Reliability of police services | 3.6 | 100 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.7 | 87 | 7.01 | Cooperation in labor-employer relations | 4.7 | 38 |
| 1.19 | Strength of auditing and reporting standards | 5.1 | 41 | 7.02 | Flexibility of wage determination | 4.3 | 117 |
| 1.20 | Efficacy of corporate boards | 4.7 | 51 | 7.03 | Hiring and firing practices | 3.4 | 108 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 57 | 7.04 | Redundancy costs, weeks of salary* | 27 | 120 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 4.1 | 57 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.9 | 38 | |
| 2.01 | Quality of overall infrastructure | 3.6 | 98 | 7.07 | Brain drain | 3.4 | 71 |
| 2.02 | Quality of roads | 3.4 | 87 | 7.08 | Women in labor force, ratio to men* | 0.63 | 109 |
| 2.03 | Quality of railroad infrastructure | 1.9 | 94 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.3 | 120 | 8.01 | Availability of financial services | 5.0 | 50 |
| 2.05 | Quality of air transport infrastructure | 3.6 | 112 | 8.02 | Affordability of financial services | 4.8 | 34 |
| 2.06 | Available airline seat kms/week, millions* | 970.2 | 26 | 8.03 | Financing through local equity market | 4.2 | 36 |
| 2.07 | Quality of electricity supply | 3.7 | 98 | 8.04 | Ease of access to loans | 3.1 | 46 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 92.0 | 95 | 8.05 | Venture capital availability | 2.7 | 62 |
| 2.09 | Fixed telephone lines/100 pop.* | 7.2 | 103 | 8.06 | Soundness of banks | 5.7 | 41 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.6 | 46 | |
| 3.01 | Government budget balance, % GDP* | -0.8 | 36 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 24.6 | 47 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.8 | 70 | 9.01 | Availability of latest technologies | 5.2 | 56 |
| 3.04 | General government debt, % GDP* | 40.5 | 72 | 9.02 | Firm-level technology absorption | 5.2 | 46 |
| 3.05 | Country credit rating, 0-100 (best)* | 53.6 | 60 | 9.03 | FDI and technology transfer | 5.0 | 40 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 29.0 | 90 | |
| 4.01 | Business impact of malaria | 5.1 | 102 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.9 | 91 |
| 4.02 | Malaria cases/100,000 pop.* | 67.9 | 95 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 12.4 | 75 |
| 4.03 | Business impact of tuberculosis | 4.3 | 116 | 9.07 | Mobile broadband subscriptions/100 pop.* | 3.4 | 93 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 275.0 | 126 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 83 | 10.01 | Domestic market size index, 1-7 (best)* | 4.5 | 29 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.0 | 40 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 23.2 | 91 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.5 | 102 | 11.01 | Local supplier quantity | 4.9 | 49 |
| 4.09 | Quality of primary education | 3.5 | 86 | 11.02 | Local supplier quality | 4.5 | 68 |
| 4.10 | Primary education enrollment, net %* | 88.3 | 101 | 11.03 | State of cluster development | 4.1 | 38 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.6 | 58 | |
| 5.01 | Secondary education enrollment, gross %* | 84.8 | 81 | 11.05 | Value chain breadth | 3.6 | 66 |
| 5.02 | Tertiary education enrollment, gross %* | 28.9 | 76 | 11.06 | Control of international distribution | 4.2 | 54 |
| 5.03 | Quality of the educational system | 4.1 | 45 | 11.07 | Production process sophistication | 3.8 | 64 |
| 5.04 | Quality of math and science education | 3.6 | 98 | 11.08 | Extent of marketing | 4.5 | 41 |
| 5.05 | Quality of management schools | 4.7 | 39 | 11.09 | Willingness to delegate authority | 4.5 | 27 |
| 5.06 | Internet access in schools | 4.1 | 73 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 62 | 12.01 | Capacity for innovation | 2.9 | 86 |
| 5.08 | Extent of staff training | 4.6 | 32 | 12.02 | Quality of scientific research institutions | 3.2 | 102 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 58 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 79 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 107 |
| | | | | 12.06 | Availability of scientists and engineers | 3.7 | 91 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.3 | 83 |

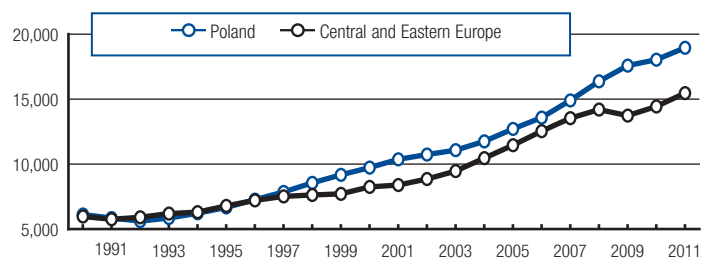
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Poland

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 39.7 |
| GDP (US\$ billions)..... | 513.8 |
| GDP per capita (US\$)..... | 13,540 |
| GDP (PPP) as share (%) of world total..... | 0.98 |

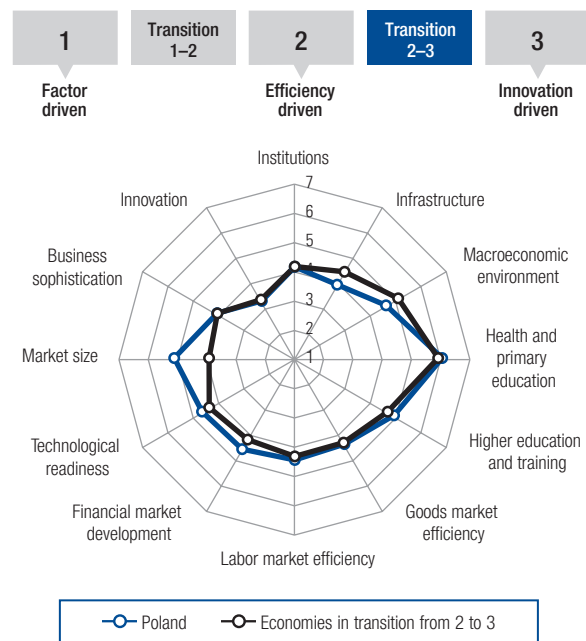
GDP (PPP) per capita (int'l \$), 1990–2011



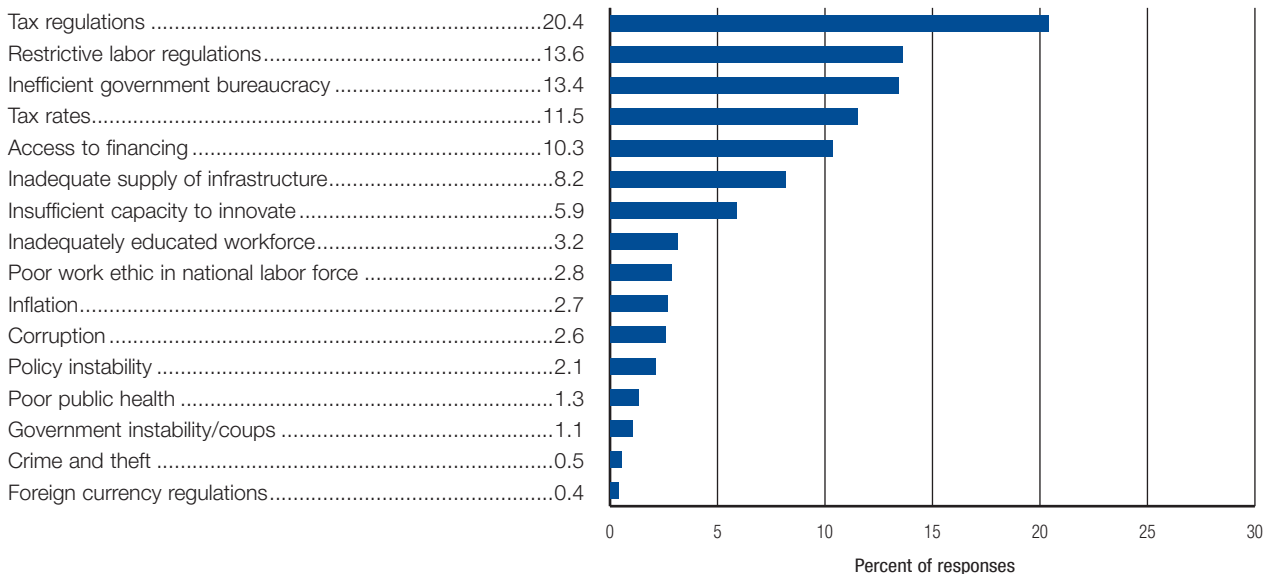
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 41 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 41 | 4.5 |
| GCI 2010–2011 (out of 139)..... | 39 | 4.5 |
| Basic requirements (28.7%) | 61 | 4.7 |
| Institutions..... | 55 | 4.1 |
| Infrastructure..... | 73 | 3.9 |
| Macroeconomic environment..... | 72 | 4.6 |
| Health and primary education..... | 43 | 6.0 |
| Efficiency enhancers (50.0%) | 28 | 4.7 |
| Higher education and training..... | 36 | 4.9 |
| Goods market efficiency..... | 51 | 4.4 |
| Labor market efficiency..... | 57 | 4.5 |
| Financial market development..... | 37 | 4.6 |
| Technological readiness..... | 42 | 4.7 |
| Market size..... | 19 | 5.1 |
| Innovation and sophistication factors (21.3%) | 61 | 3.7 |
| Business sophistication..... | 60 | 4.1 |
| Innovation..... | 63 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.4 | 63 | 6.01 | Intensity of local competition | 5.4 | 30 |
| 1.02 | Intellectual property protection | 3.6 | 67 | 6.02 | Extent of market dominance | 4.7 | 22 |
| 1.03 | Diversion of public funds | 4.0 | 44 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 61 |
| 1.04 | Public trust in politicians | 2.4 | 90 | 6.04 | Extent and effect of taxation | 3.3 | 96 |
| 1.05 | Irregular payments and bribes | 4.9 | 37 | 6.05 | Total tax rate, % profits* | 43.6 | 87 |
| 1.06 | Judicial independence | 4.2 | 50 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.3 | 55 | 6.07 | No. days to start a business* | 32 | 105 |
| 1.08 | Wastefulness of government spending | 2.9 | 93 | 6.08 | Agricultural policy costs | 3.6 | 98 |
| 1.09 | Burden of government regulation | 2.6 | 131 | 6.09 | Prevalence of trade barriers | 4.2 | 80 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.1 | 111 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 103 | 6.11 | Prevalence of foreign ownership | 4.7 | 71 |
| 1.12 | Transparency of government policymaking | 3.8 | 104 | 6.12 | Business impact of rules on FDI | 4.2 | 104 |
| 1.13 | Gov't services for improved business performance | 3.1 | 105 | 6.13 | Burden of customs procedures | 4.3 | 57 |
| 1.14 | Business costs of terrorism | 6.1 | 40 | 6.14 | Imports as a percentage of GDP* | 46.2 | 67 |
| 1.15 | Business costs of crime and violence | 5.5 | 38 | 6.15 | Degree of customer orientation | 4.9 | 46 |
| 1.16 | Organized crime | 5.7 | 48 | 6.16 | Buyer sophistication | 3.3 | 82 |
| 1.17 | Reliability of police services | 4.3 | 67 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.2 | 53 | 7.01 | Cooperation in labor-employer relations | 4.1 | 93 |
| 1.19 | Strength of auditing and reporting standards | 5.2 | 38 | 7.02 | Flexibility of wage determination | 5.4 | 40 |
| 1.20 | Efficacy of corporate boards | 4.4 | 80 | 7.03 | Hiring and firing practices | 3.5 | 103 |
| 1.21 | Protection of minority shareholders' interests | 4.0 | 86 | 7.04 | Redundancy costs, weeks of salary* | 10 | 38 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.3 | 39 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 74 | |
| 2.01 | Quality of overall infrastructure | 4.0 | 79 | 7.07 | Brain drain | 2.9 | 108 |
| 2.02 | Quality of roads | 2.6 | 124 | 7.08 | Women in labor force, ratio to men* | 0.81 | 65 |
| 2.03 | Quality of railroad infrastructure | 2.4 | 77 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.5 | 108 | 8.01 | Availability of financial services | 4.8 | 56 |
| 2.05 | Quality of air transport infrastructure | 3.8 | 105 | 8.02 | Affordability of financial services | 4.4 | 53 |
| 2.06 | Available airline seat kms/week, millions* | 305.9 | 52 | 8.03 | Financing through local equity market | 3.7 | 58 |
| 2.07 | Quality of electricity supply | 5.5 | 47 | 8.04 | Ease of access to loans | 2.5 | 89 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 128.5 | 31 | 8.05 | Venture capital availability | 2.4 | 90 |
| 2.09 | Fixed telephone lines/100 pop.* | 18.1 | 72 | 8.06 | Soundness of banks | 5.4 | 57 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.0 | 31 | |
| 3.01 | Government budget balance, % GDP* | -5.2 | 111 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 17.5 | 84 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.3 | 63 | 9.01 | Availability of latest technologies | 4.6 | 95 |
| 3.04 | General government debt, % GDP* | 55.4 | 103 | 9.02 | Firm-level technology absorption | 4.2 | 112 |
| 3.05 | Country credit rating, 0-100 (best)* | 70.5 | 35 | 9.03 | FDI and technology transfer | 4.8 | 58 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 64.9 | 40 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 14.4 | 42 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 40.2 | 37 |
| 4.03 | Business impact of tuberculosis | 5.9 | 44 | 9.07 | Mobile broadband subscriptions/100 pop.* | 48.4 | 16 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 23.0 | 51 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 30 | 10.01 | Domestic market size index, 1-7 (best)* | 5.0 | 20 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.6 | 22 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 5.2 | 32 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.2 | 43 | 11.01 | Local supplier quantity | 5.3 | 23 |
| 4.09 | Quality of primary education | 4.2 | 54 | 11.02 | Local supplier quality | 4.8 | 48 |
| 4.10 | Primary education enrollment, net %* | 95.9 | 47 | 11.03 | State of cluster development | 3.2 | 98 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 89 | |
| 5.01 | Secondary education enrollment, gross %* | 97.0 | 45 | 11.05 | Value chain breadth | 3.8 | 54 |
| 5.02 | Tertiary education enrollment, gross %* | 70.5 | 21 | 11.06 | Control of international distribution | 3.9 | 80 |
| 5.03 | Quality of the educational system | 3.7 | 68 | 11.07 | Production process sophistication | 4.1 | 48 |
| 5.04 | Quality of math and science education | 4.1 | 59 | 11.08 | Extent of marketing | 4.3 | 53 |
| 5.05 | Quality of management schools | 4.0 | 85 | 11.09 | Willingness to delegate authority | 3.7 | 70 |
| 5.06 | Internet access in schools | 4.5 | 53 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.8 | 30 | 12.01 | Capacity for innovation | 3.3 | 54 |
| 5.08 | Extent of staff training | 4.0 | 59 | 12.02 | Quality of scientific research institutions | 4.1 | 45 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 88 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 67 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 101 |
| | | | | 12.06 | Availability of scientists and engineers | 4.2 | 58 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 5.8 | 43 |

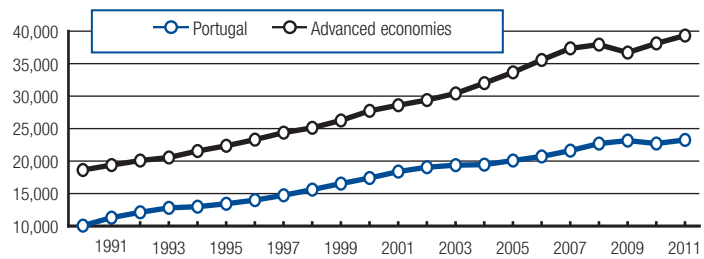
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Portugal

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 11.2 |
| GDP (US\$ billions)..... | 238.9 |
| GDP per capita (US\$)..... | 22,413 |
| GDP (PPP) as share (%) of world total..... | 0.32 |

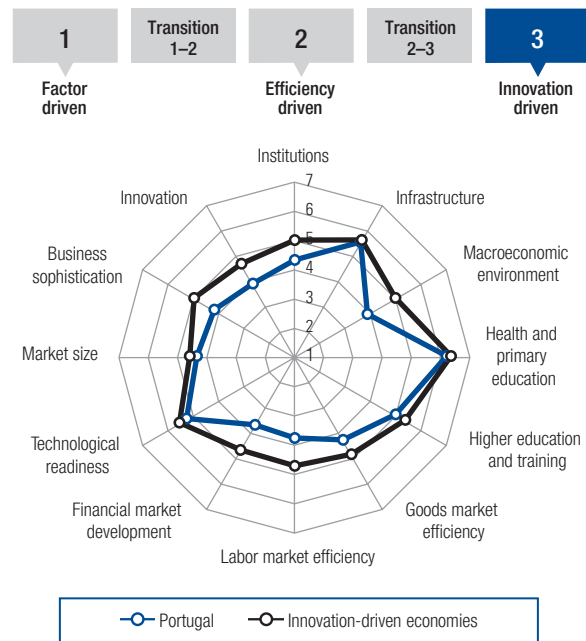
GDP (PPP) per capita (int'l \$), 1990–2011



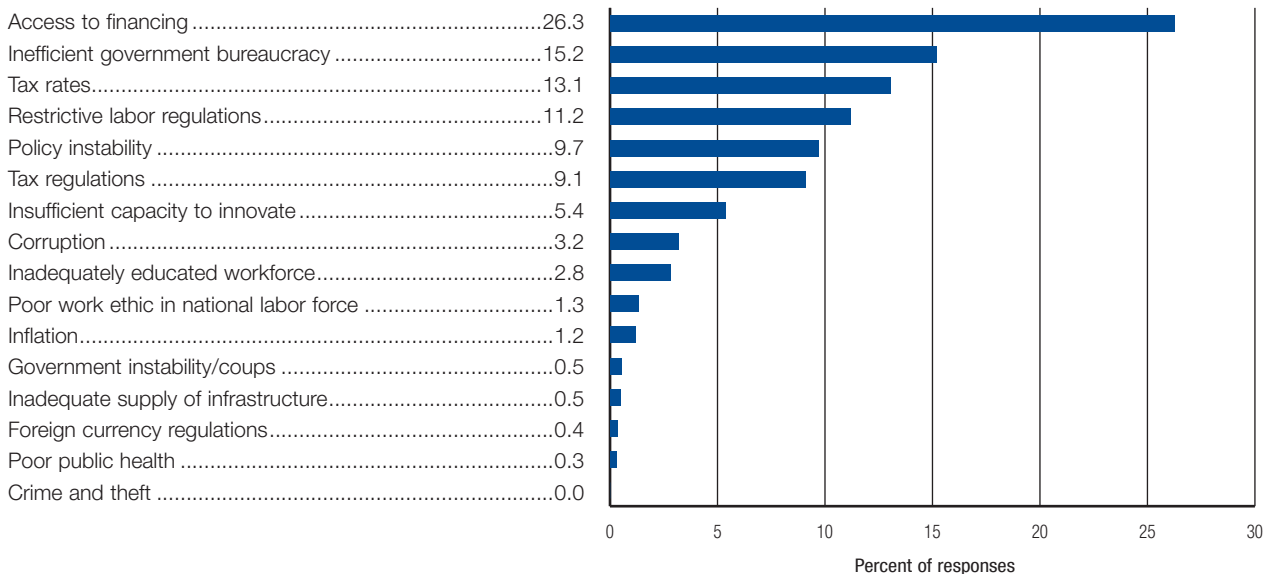
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 49 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 45 | 4.4 |
| GCI 2010–2011 (out of 139)..... | 46 | 4.4 |
| Basic requirements (20.0%) | 40 | 5.0 |
| Institutions..... | 46 | 4.3 |
| Infrastructure..... | 24 | 5.5 |
| Macroeconomic environment..... | 116 | 3.9 |
| Health and primary education..... | 30 | 6.2 |
| Efficiency enhancers (50.0%) | 44 | 4.4 |
| Higher education and training..... | 30 | 5.0 |
| Goods market efficiency..... | 61 | 4.3 |
| Labor market efficiency..... | 123 | 3.8 |
| Financial market development..... | 99 | 3.7 |
| Technological readiness..... | 28 | 5.3 |
| Market size..... | 48 | 4.3 |
| Innovation and sophistication factors (30.0%) | 37 | 4.0 |
| Business sophistication..... | 54 | 4.2 |
| Innovation..... | 31 | 3.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Portugal

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.8 | 49 | 6.01 | Intensity of local competition | 4.9 | 62 |
| 1.02 | Intellectual property protection | 4.3 | 42 | 6.02 | Extent of market dominance | 3.2 | 109 |
| 1.03 | Diversion of public funds | 3.9 | 45 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 68 |
| 1.04 | Public trust in politicians | 2.8 | 67 | 6.04 | Extent and effect of taxation | 2.4 | 135 |
| 1.05 | Irregular payments and bribes | 5.1 | 34 | 6.05 | Total tax rate, % profits* | 43.3 | 85 |
| 1.06 | Judicial independence | 3.9 | 67 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 67 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 2.2 | 133 | 6.08 | Agricultural policy costs | 3.3 | 121 |
| 1.09 | Burden of government regulation | 2.6 | 129 | 6.09 | Prevalence of trade barriers | 5.5 | 9 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.9 | 121 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.2 | 101 | 6.11 | Prevalence of foreign ownership | 4.4 | 85 |
| 1.12 | Transparency of government policymaking | 4.3 | 71 | 6.12 | Business impact of rules on FDI | 4.6 | 75 |
| 1.13 | Gov't services for improved business performance | 3.7 | 68 | 6.13 | Burden of customs procedures | 4.8 | 35 |
| 1.14 | Business costs of terrorism | 6.3 | 18 | 6.14 | Imports as a percentage of GDP* | 40.2 | 85 |
| 1.15 | Business costs of crime and violence | 5.9 | 15 | 6.15 | Degree of customer orientation | 4.8 | 54 |
| 1.16 | Organized crime | 6.2 | 26 | 6.16 | Buyer sophistication | 3.5 | 67 |
| 1.17 | Reliability of police services | 5.2 | 34 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.5 | 41 | 7.01 | Cooperation in labor-employer relations | 4.1 | 96 |
| 1.19 | Strength of auditing and reporting standards | 4.9 | 54 | 7.02 | Flexibility of wage determination | 4.4 | 115 |
| 1.20 | Efficacy of corporate boards | 4.2 | 101 | 7.03 | Hiring and firing practices | 2.9 | 131 |
| 1.21 | Protection of minority shareholders' interests | 4.3 | 59 | 7.04 | Redundancy costs, weeks of salary* | 34 | 129 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 3.3 | 120 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 79 | |
| 2.01 | Quality of overall infrastructure | 6.2 | 11 | 7.07 | Brain drain | 3.2 | 90 |
| 2.02 | Quality of roads | 6.4 | 4 | 7.08 | Women in labor force, ratio to men* | 0.89 | 30 |
| 2.03 | Quality of railroad infrastructure | 4.5 | 26 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.0 | 40 | 8.01 | Availability of financial services | 5.3 | 32 |
| 2.05 | Quality of air transport infrastructure | 5.6 | 35 | 8.02 | Affordability of financial services | 4.6 | 43 |
| 2.06 | Available airline seat kms/week, millions* | 694.2 | 32 | 8.03 | Financing through local equity market | 3.0 | 97 |
| 2.07 | Quality of electricity supply | 6.3 | 26 | 8.04 | Ease of access to loans | 2.3 | 109 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 114.9 | 54 | 8.05 | Venture capital availability | 2.3 | 97 |
| 2.09 | Fixed telephone lines/100 pop.* | 42.3 | 27 | 8.06 | Soundness of banks | 4.3 | 122 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.7 | 42 | |
| 3.01 | Government budget balance, % GDP* | -4.0 | 89 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 11.6 | 117 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.6 | 48 | 9.01 | Availability of latest technologies | 6.3 | 15 |
| 3.04 | General government debt, % GDP* | 106.8 | 138 | 9.02 | Firm-level technology absorption | 5.6 | 27 |
| 3.05 | Country credit rating, 0-100 (best)* | 46.5 | 72 | 9.03 | FDI and technology transfer | 5.2 | 22 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 55.3 | 48 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 21.0 | 34 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 135.3 | 11 |
| 4.03 | Business impact of tuberculosis | 5.9 | 42 | 9.07 | Mobile broadband subscriptions/100 pop.* | 27.4 | 39 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 29.0 | 57 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 41 | 10.01 | Domestic market size index, 1-7 (best)* | 4.2 | 46 |
| 4.06 | HIV prevalence, % adult pop.* | 0.6 | 92 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 53 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.0 | 10 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.0 | 31 | 11.01 | Local supplier quantity | 4.9 | 56 |
| 4.09 | Quality of primary education | 4.2 | 52 | 11.02 | Local supplier quality | 4.9 | 44 |
| 4.10 | Primary education enrollment, net %* | 99.2 | 13 | 11.03 | State of cluster development | 3.9 | 54 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.8 | 49 | |
| 5.01 | Secondary education enrollment, gross %* | 106.7 | 16 | 11.05 | Value chain breadth | 4.0 | 42 |
| 5.02 | Tertiary education enrollment, gross %* | 62.2 | 29 | 11.06 | Control of international distribution | 3.9 | 86 |
| 5.03 | Quality of the educational system | 3.8 | 61 | 11.07 | Production process sophistication | 4.3 | 41 |
| 5.04 | Quality of math and science education | 3.6 | 94 | 11.08 | Extent of marketing | 4.5 | 44 |
| 5.05 | Quality of management schools | 5.1 | 22 | 11.09 | Willingness to delegate authority | 3.4 | 95 |
| 5.06 | Internet access in schools | 5.7 | 26 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.7 | 37 | 12.01 | Capacity for innovation | 3.5 | 40 |
| 5.08 | Extent of staff training | 3.9 | 73 | 12.02 | Quality of scientific research institutions | 5.0 | 22 |
| | | | | 12.03 | Company spending on R&D | 3.4 | 43 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.6 | 27 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 36 |
| | | | | 12.06 | Availability of scientists and engineers | 4.7 | 31 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 12.2 | 31 |

Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Puerto Rico

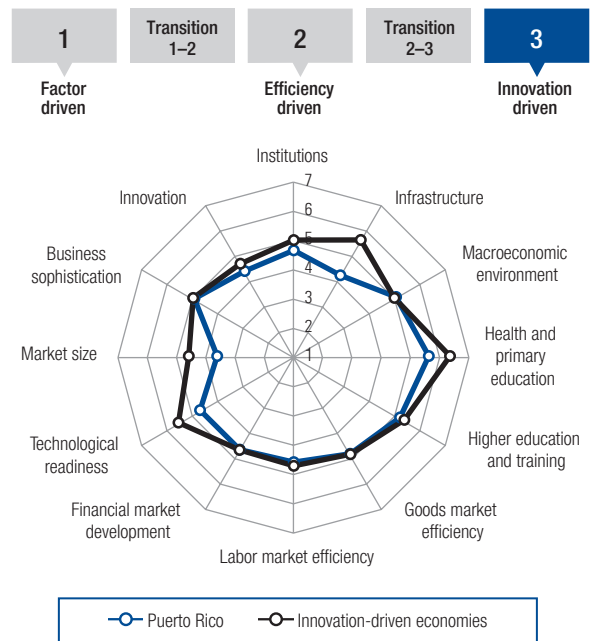
Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 3.9 |
| GDP (US\$ billions)..... | 98.8 |
| GDP per capita (US\$)..... | 26,500 |
| GDP (PPP) as share (%) of world total..... | n/a |

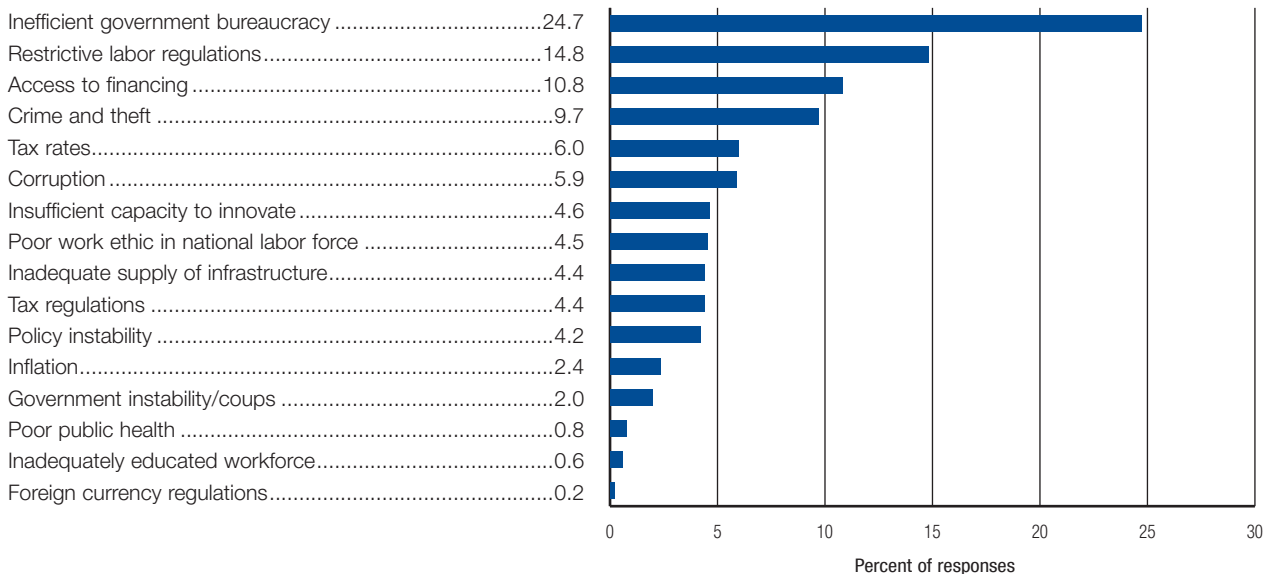
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 31 | 4.7 |
| GCI 2011–2012 (out of 142)..... | 35 | 4.6 |
| GCI 2010–2011 (out of 139)..... | 41 | 4.5 |
| Basic requirements (20.0%) | 48 | 4.9 |
| Institutions..... | 38 | 4.6 |
| Infrastructure..... | 58 | 4.2 |
| Macroeconomic environment..... | 48 | 5.0 |
| Health and primary education..... | 75 | 5.6 |
| Efficiency enhancers (50.0%) | 33 | 4.6 |
| Higher education and training..... | 24 | 5.2 |
| Goods market efficiency..... | 26 | 4.9 |
| Labor market efficiency..... | 38 | 4.6 |
| Financial market development..... | 29 | 4.7 |
| Technological readiness..... | 41 | 4.7 |
| Market size..... | 68 | 3.6 |
| Innovation and sophistication factors (30.0%) | 26 | 4.6 |
| Business sophistication..... | 24 | 4.9 |
| Innovation..... | 27 | 4.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Puerto Rico

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.8 | 17 | 6.01 | Intensity of local competition | 5.7 | 17 |
| 1.02 | Intellectual property protection | 5.6 | 13 | 6.02 | Extent of market dominance | 5.0 | 15 |
| 1.03 | Diversion of public funds | 3.8 | 50 | 6.03 | Effectiveness of anti-monopoly policy | 5.3 | 7 |
| 1.04 | Public trust in politicians | 2.7 | 72 | 6.04 | Extent and effect of taxation | 3.6 | 58 |
| 1.05 | Irregular payments and bribes | 4.7 | 45 | 6.05 | Total tax rate, % profits* | 63.1 | 124 |
| 1.06 | Judicial independence | 4.6 | 41 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.1 | 64 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 3.1 | 80 | 6.08 | Agricultural policy costs | 3.7 | 90 |
| 1.09 | Burden of government regulation | 2.8 | 122 | 6.09 | Prevalence of trade barriers | 4.9 | 25 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.8 | 24 | 6.10 | Trade tariffs, % duty* | n/a | n/a |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.6 | 23 | 6.11 | Prevalence of foreign ownership | 5.2 | 43 |
| 1.12 | Transparency of government policymaking | 4.2 | 81 | 6.12 | Business impact of rules on FDI | 4.9 | 45 |
| 1.13 | Gov't services for improved business performance | 4.3 | 28 | 6.13 | Burden of customs procedures | 4.8 | 33 |
| 1.14 | Business costs of terrorism | 5.8 | 54 | 6.14 | Imports as a percentage of GDP* | 94.1 | 12 |
| 1.15 | Business costs of crime and violence | 3.8 | 112 | 6.15 | Degree of customer orientation | 5.4 | 23 |
| 1.16 | Organized crime | 5.4 | 58 | 6.16 | Buyer sophistication | 4.1 | 30 |
| 1.17 | Reliability of police services | 4.6 | 54 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.8 | 36 | 7.01 | Cooperation in labor-employer relations | 4.6 | 46 |
| 1.19 | Strength of auditing and reporting standards | 5.8 | 14 | 7.02 | Flexibility of wage determination | 5.4 | 39 |
| 1.20 | Efficacy of corporate boards | 5.3 | 13 | 7.03 | Hiring and firing practices | 3.5 | 104 |
| 1.21 | Protection of minority shareholders' interests | 5.7 | 5 | 7.04 | Redundancy costs, weeks of salary* | 0 | 1 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 4.3 | 45 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.6 | 14 | |
| 2.01 | Quality of overall infrastructure | 5.0 | 46 | 7.07 | Brain drain | 3.5 | 63 |
| 2.02 | Quality of roads | 5.0 | 37 | 7.08 | Women in labor force, ratio to men* | 0.68 | 99 |
| 2.03 | Quality of railroad infrastructure | 2.1 | 86 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 32 | 8.01 | Availability of financial services | 5.7 | 22 |
| 2.05 | Quality of air transport infrastructure | 5.8 | 28 | 8.02 | Affordability of financial services | 5.4 | 12 |
| 2.06 | Available airline seat kms/week, millions* | 439.6 | 44 | 8.03 | Financing through local equity market | 3.3 | 76 |
| 2.07 | Quality of electricity supply | 5.1 | 61 | 8.04 | Ease of access to loans | 2.9 | 63 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 83.0 | 105 | 8.05 | Venture capital availability | 2.8 | 54 |
| 2.09 | Fixed telephone lines/100 pop.* | 22.1 | 53 | 8.06 | Soundness of banks | 5.1 | 74 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.2 | 23 | |
| 3.01 | Government budget balance, % GDP* | -1.0 | 38 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 13.4 | 109 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.9 | 1 | 9.01 | Availability of latest technologies | 6.0 | 31 |
| 3.04 | General government debt, % GDP* | 59.0 | 105 | 9.02 | Firm-level technology absorption | 5.6 | 26 |
| 3.05 | Country credit rating, 0-100 (best)* | n/a | n/a | 9.03 | FDI and technology transfer | 4.9 | 49 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 48.0 | 59 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 14.9 | 41 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 135.4 | 10 |
| 4.03 | Business impact of tuberculosis | 6.5 | 16 | 9.07 | Mobile broadband subscriptions/100 pop.* | 14.7 | 57 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 2.2 | 2 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.1 | 84 | 10.01 | Domestic market size index, 1-7 (best)* | 3.3 | 74 |
| 4.06 | HIV prevalence, % adult pop.* | 0.3 | 77 | 10.02 | Foreign market size index, 1-7 (best)* | 4.4 | 65 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 8.8 | 51 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 78.9 | 32 | 11.01 | Local supplier quantity | 4.9 | 50 |
| 4.09 | Quality of primary education | 3.6 | 74 | 11.02 | Local supplier quality | 5.4 | 16 |
| 4.10 | Primary education enrollment, net %* | 85.5 | 112 | 11.03 | State of cluster development | 4.3 | 32 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.1 | 21 | |
| 5.01 | Secondary education enrollment, gross %* | 82.2 | 87 | 11.05 | Value chain breadth | 4.2 | 32 |
| 5.02 | Tertiary education enrollment, gross %* | 86.0 | 6 | 11.06 | Control of international distribution | 4.0 | 69 |
| 5.03 | Quality of the educational system | 4.0 | 51 | 11.07 | Production process sophistication | 5.6 | 15 |
| 5.04 | Quality of math and science education | 3.8 | 84 | 11.08 | Extent of marketing | 5.6 | 9 |
| 5.05 | Quality of management schools | 4.6 | 44 | 11.09 | Willingness to delegate authority | 4.7 | 20 |
| 5.06 | Internet access in schools | 4.5 | 57 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.5 | 11 | 12.01 | Capacity for innovation | 3.6 | 38 |
| 5.08 | Extent of staff training | 4.8 | 19 | 12.02 | Quality of scientific research institutions | 4.5 | 38 |
| | | | | 12.03 | Company spending on R&D | 3.6 | 35 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.5 | 32 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.7 | 56 |
| | | | | 12.06 | Availability of scientists and engineers | 5.7 | 3 |
| | | | | 12.07 | PCT patents, applications/million pop.* | n/a | n/a |

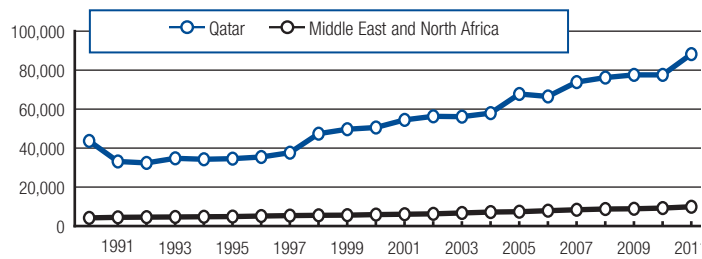
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Qatar

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.9 |
| GDP (US\$ billions)..... | 173.8 |
| GDP per capita (US\$)..... | 98,329 |
| GDP (PPP) as share (%) of world total..... | 0.23 |

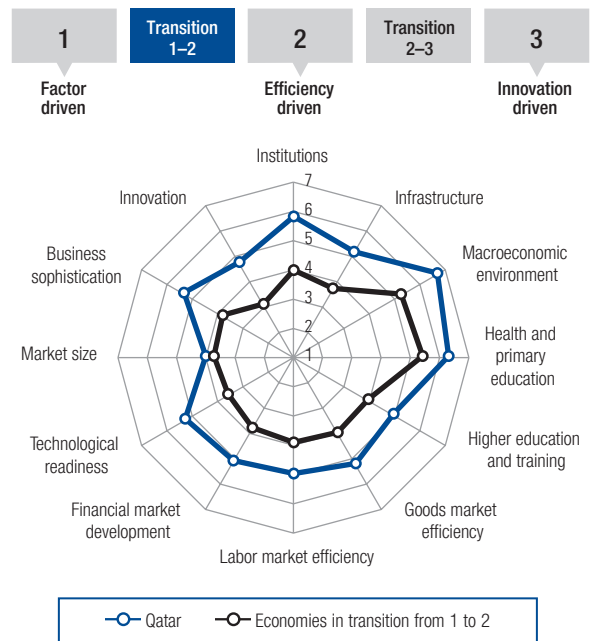
GDP (PPP) per capita (int'l \$), 1990–2011



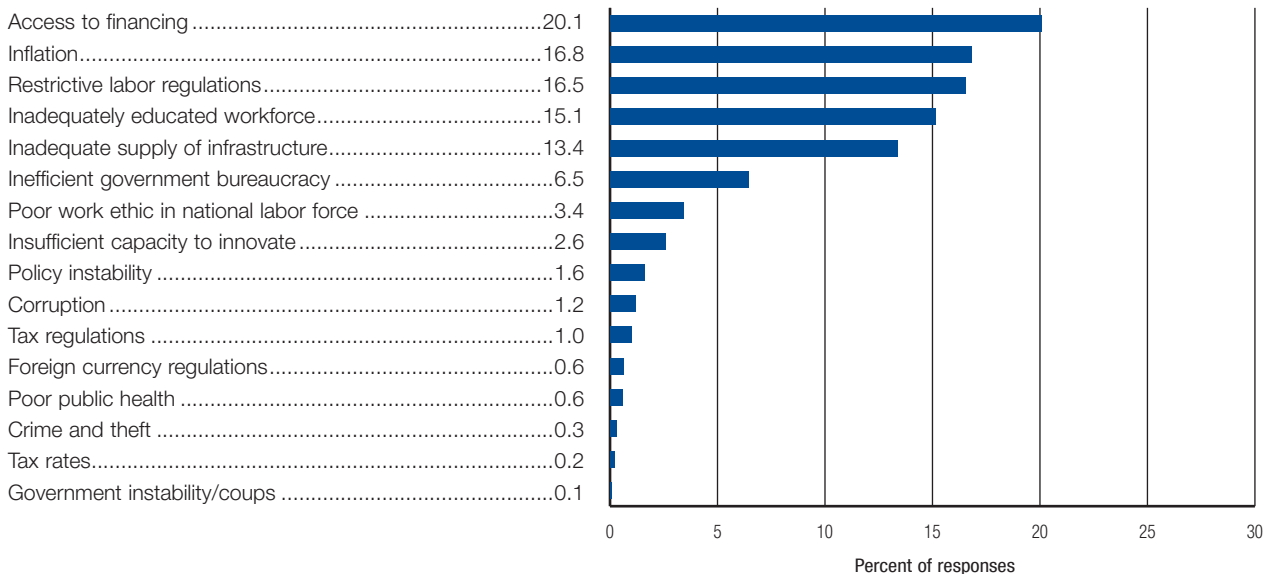
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 11 | 5.4 |
| GCI 2011–2012 (out of 142)..... | 14 | 5.2 |
| GCI 2010–2011 (out of 139)..... | 17 | 5.1 |
| Basic requirements (42.9%) | 7 | 6.0 |
| Institutions..... | 4 | 5.8 |
| Infrastructure..... | 31 | 5.1 |
| Macroeconomic environment..... | 2 | 6.7 |
| Health and primary education..... | 23 | 6.3 |
| Efficiency enhancers (47.8%) | 22 | 4.9 |
| Higher education and training..... | 33 | 4.9 |
| Goods market efficiency..... | 10 | 5.2 |
| Labor market efficiency..... | 14 | 5.0 |
| Financial market development..... | 14 | 5.1 |
| Technological readiness..... | 27 | 5.3 |
| Market size..... | 58 | 4.0 |
| Innovation and sophistication factors (9.3%) | 15 | 5.0 |
| Business sophistication..... | 11 | 5.3 |
| Innovation..... | 19 | 4.7 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.5 | 22 | 6.01 | Intensity of local competition | 5.7 | 12 |
| 1.02 | Intellectual property protection | 5.8 | 8 | 6.02 | Extent of market dominance | 5.0 | 12 |
| 1.03 | Diversion of public funds | 5.9 | 9 | 6.03 | Effectiveness of anti-monopoly policy | 5.3 | 8 |
| 1.04 | Public trust in politicians | 6.1 | 2 | 6.04 | Extent and effect of taxation | 5.7 | 3 |
| 1.05 | Irregular payments and bribes | 6.3 | 9 | 6.05 | Total tax rate, % profits* | 11.3 | 4 |
| 1.06 | Judicial independence | 6.2 | 10 | 6.06 | No. procedures to start a business* | 8 | 87 |
| 1.07 | Favoritism in decisions of government officials | 5.1 | 6 | 6.07 | No. days to start a business* | 12 | 53 |
| 1.08 | Wastefulness of government spending | 5.6 | 3 | 6.08 | Agricultural policy costs | 4.4 | 29 |
| 1.09 | Burden of government regulation | 5.1 | 3 | 6.09 | Prevalence of trade barriers | 5.9 | 2 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.4 | 10 | 6.10 | Trade tariffs, % duty* | 4.7 | 66 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.9 | 14 | 6.11 | Prevalence of foreign ownership | 4.9 | 64 |
| 1.12 | Transparency of government policymaking | 5.5 | 9 | 6.12 | Business impact of rules on FDI | 5.1 | 29 |
| 1.13 | Gov't services for improved business performance | 6.0 | 1 | 6.13 | Burden of customs procedures | 5.1 | 18 |
| 1.14 | Business costs of terrorism | 6.4 | 13 | 6.14 | Imports as a percentage of GDP* | 24.3 | 134 |
| 1.15 | Business costs of crime and violence | 6.6 | 1 | 6.15 | Degree of customer orientation | 5.8 | 5 |
| 1.16 | Organized crime | 6.4 | 11 | 6.16 | Buyer sophistication | 4.4 | 19 |
| 1.17 | Reliability of police services | 6.3 | 5 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.8 | 13 | 7.01 | Cooperation in labor-employer relations | 5.1 | 22 |
| 1.19 | Strength of auditing and reporting standards | 6.1 | 4 | 7.02 | Flexibility of wage determination | 5.9 | 10 |
| 1.20 | Efficacy of corporate boards | 5.4 | 11 | 7.03 | Hiring and firing practices | 4.9 | 15 |
| 1.21 | Protection of minority shareholders' interests | 5.6 | 7 | 7.04 | Redundancy costs, weeks of salary* | 23 | 107 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 5.0 | 6 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.5 | 16 | |
| 2.01 | Quality of overall infrastructure | 5.5 | 26 | 7.07 | Brain drain | 5.7 | 3 |
| 2.02 | Quality of roads | 5.1 | 34 | 7.08 | Women in labor force, ratio to men* | 0.55 | 122 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 36 | 8.01 | Availability of financial services | 5.7 | 21 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 18 | 8.02 | Affordability of financial services | 5.8 | 6 |
| 2.06 | Available airline seat kms/week, millions* | 894.1 | 29 | 8.03 | Financing through local equity market | 5.1 | 5 |
| 2.07 | Quality of electricity supply | 6.6 | 10 | 8.04 | Ease of access to loans | 4.9 | 1 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 123.1 | 42 | 8.05 | Venture capital availability | 4.7 | 1 |
| 2.09 | Fixed telephone lines/100 pop.* | 16.4 | 76 | 8.06 | Soundness of banks | 5.8 | 34 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.8 | 5 | |
| 3.01 | Government budget balance, % GDP* | 7.8 | 9 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 54.3 | 2 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.0 | 1 | 9.01 | Availability of latest technologies | 6.1 | 25 |
| 3.04 | General government debt, % GDP* | 31.5 | 46 | 9.02 | Firm-level technology absorption | 6.0 | 9 |
| 3.05 | Country credit rating, 0-100 (best)* | 80.2 | 20 | 9.03 | FDI and technology transfer | 6.1 | 2 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 86.2 | 8 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.7 | 62 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 22.3 | 56 |
| 4.03 | Business impact of tuberculosis | 5.5 | 63 | 9.07 | Mobile broadband subscriptions/100 pop.* | 61.0 | 10 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 38.0 | 62 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.9 | 94 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 59 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.8 | 50 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 6.7 | 42 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 78.1 | 35 | 11.01 | Local supplier quantity | 5.5 | 12 |
| 4.09 | Quality of primary education | 5.6 | 10 | 11.02 | Local supplier quality | 5.4 | 21 |
| 4.10 | Primary education enrollment, net %* | 92.0 | 85 | 11.03 | State of cluster development | 5.1 | 7 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.7 | 24 | |
| 5.01 | Secondary education enrollment, gross %* | 93.7 | 54 | 11.05 | Value chain breadth | 4.9 | 23 |
| 5.02 | Tertiary education enrollment, gross %* | 10.0 | 113 | 11.06 | Control of international distribution | 5.4 | 2 |
| 5.03 | Quality of the educational system | 5.7 | 4 | 11.07 | Production process sophistication | 5.6 | 12 |
| 5.04 | Quality of math and science education | 5.5 | 9 | 11.08 | Extent of marketing | 5.7 | 8 |
| 5.05 | Quality of management schools | 5.7 | 7 | 11.09 | Willingness to delegate authority | 5.5 | 5 |
| 5.06 | Internet access in schools | 6.1 | 10 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.0 | 25 | 12.01 | Capacity for innovation | 4.6 | 18 |
| 5.08 | Extent of staff training | 5.0 | 11 | 12.02 | Quality of scientific research institutions | 5.8 | 5 |
| | | | | 12.03 | Company spending on R&D | 4.6 | 18 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.4 | 9 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 5.8 | 1 |
| | | | | 12.06 | Availability of scientists and engineers | 5.3 | 8 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 1.3 | 62 |

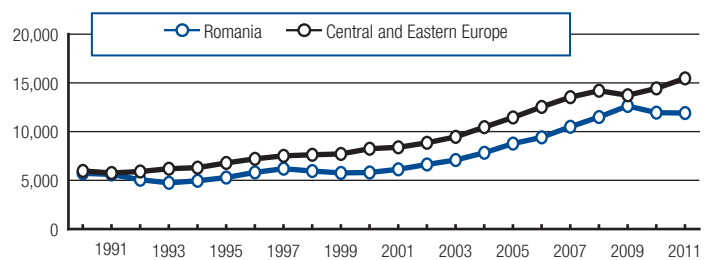
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Romania

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 22.1 |
| GDP (US\$ billions)..... | 189.8 |
| GDP per capita (US\$)..... | 8,863 |
| GDP (PPP) as share (%) of world total..... | 0.34 |

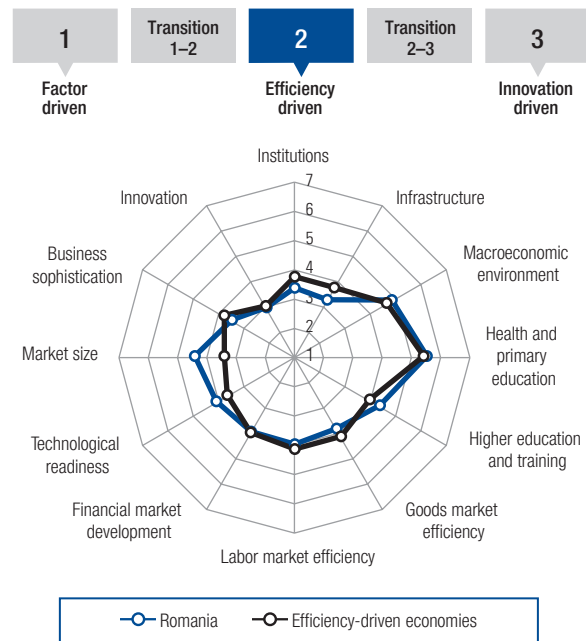
GDP (PPP) per capita (int'l \$), 1990–2011



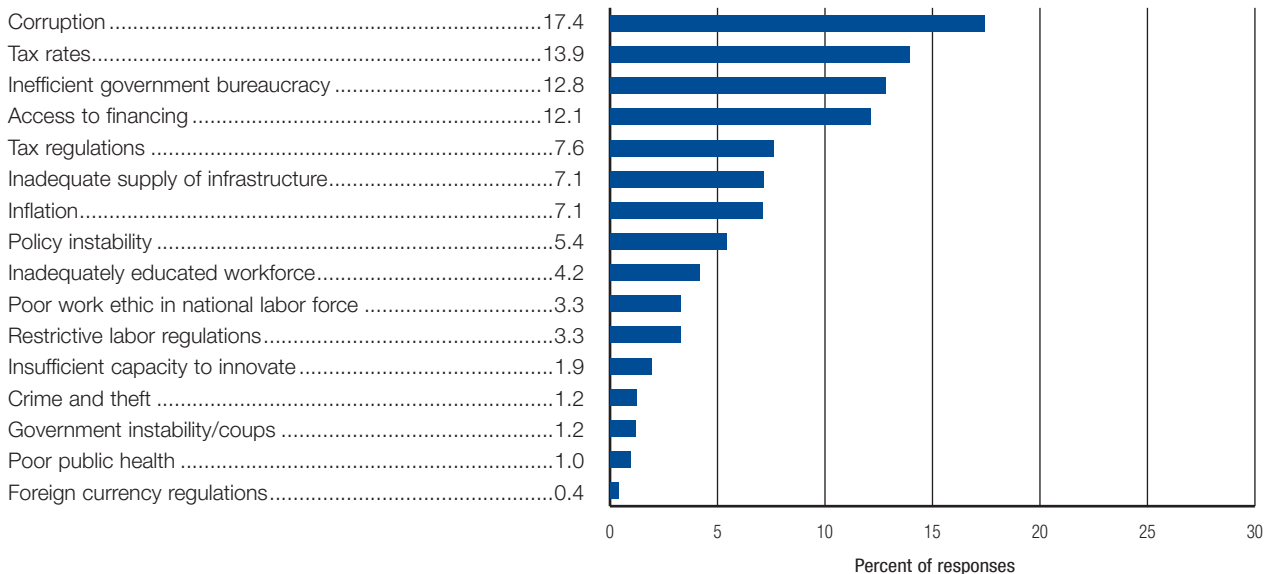
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 78 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 77 | 4.1 |
| GCI 2010–2011 (out of 139)..... | 67 | 4.2 |
| Basic requirements (40.0%) | 90 | 4.2 |
| Institutions..... | 116 | 3.3 |
| Infrastructure..... | 97 | 3.2 |
| Macroeconomic environment..... | 58 | 4.8 |
| Health and primary education..... | 83 | 5.5 |
| Efficiency enhancers (50.0%) | 64 | 4.1 |
| Higher education and training..... | 59 | 4.4 |
| Goods market efficiency..... | 113 | 3.9 |
| Labor market efficiency..... | 104 | 4.0 |
| Financial market development..... | 77 | 4.0 |
| Technological readiness..... | 59 | 4.1 |
| Market size..... | 43 | 4.4 |
| Innovation and sophistication factors (10.0%) | 106 | 3.2 |
| Business sophistication..... | 110 | 3.5 |
| Innovation..... | 102 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Romania

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|--------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.9.....92 | 6.01 | Intensity of local competition | 4.3.....102 |
| 1.02 | Intellectual property protection | 2.9.....114 | 6.02 | Extent of market dominance | 3.4.....92 |
| 1.03 | Diversion of public funds | 2.5.....115 | 6.03 | Effectiveness of anti-monopoly policy | 3.4.....120 |
| 1.04 | Public trust in politicians | 1.8.....133 | 6.04 | Extent and effect of taxation | 2.2.....142 |
| 1.05 | Irregular payments and bribes | 3.7.....79 | 6.05 | Total tax rate, % profits* | 44.4.....95 |
| 1.06 | Judicial independence | 2.7.....114 | 6.06 | No. procedures to start a business* | 6.....47 |
| 1.07 | Favoritism in decisions of government officials | 2.4.....128 | 6.07 | No. days to start a business* | 14.....66 |
| 1.08 | Wastefulness of government spending | 2.5.....114 | 6.08 | Agricultural policy costs | 3.3.....122 |
| 1.09 | Burden of government regulation | 2.8.....118 | 6.09 | Prevalence of trade barriers | 3.9.....111 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.6.....133 | 6.10 | Trade tariffs, % duty* | 0.9.....6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.7.....128 | 6.11 | Prevalence of foreign ownership | 4.1.....106 |
| 1.12 | Transparency of government policymaking | 3.3.....136 | 6.12 | Business impact of rules on FDI | 3.8.....120 |
| 1.13 | Gov't services for improved business performance | 2.7.....129 | 6.13 | Burden of customs procedures | 3.0.....134 |
| 1.14 | Business costs of terrorism | 5.7.....59 | 6.14 | Imports as a percentage of GDP* | 45.8.....69 |
| 1.15 | Business costs of crime and violence | 5.1.....58 | 6.15 | Degree of customer orientation | 4.0.....116 |
| 1.16 | Organized crime | 4.6.....100 | 6.16 | Buyer sophistication | 3.0.....102 |
| 1.17 | Reliability of police services | 3.4.....110 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.2.....126 | 7.01 | Cooperation in labor-employer relations | 3.2.....141 |
| 1.19 | Strength of auditing and reporting standards | 4.0.....110 | 7.02 | Flexibility of wage determination | 4.8.....90 |
| 1.20 | Efficacy of corporate boards | 4.0.....118 | 7.03 | Hiring and firing practices | 3.6.....97 |
| 1.21 | Protection of minority shareholders' interests | 3.5.....124 | 7.04 | Redundancy costs, weeks of salary* | 8.....24 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0.....39 | 7.05 | Pay and productivity | 3.7.....87 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.5.....124 |
| 2.01 | Quality of overall infrastructure | 2.8.....132 | 7.07 | Brain drain | 2.1.....136 |
| 2.02 | Quality of roads | 1.9.....142 | 7.08 | Women in labor force, ratio to men* | 0.78.....73 |
| 2.03 | Quality of railroad infrastructure | 2.2.....83 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 2.6.....137 | 8.01 | Availability of financial services | 3.8.....109 |
| 2.05 | Quality of air transport infrastructure | 3.4.....121 | 8.02 | Affordability of financial services | 3.7.....103 |
| 2.06 | Available airline seat kms/week, millions* | 174.1.....69 | 8.03 | Financing through local equity market | 3.3.....80 |
| 2.07 | Quality of electricity supply | 4.2.....88 | 8.04 | Ease of access to loans | 2.7.....75 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 109.2.....63 | 8.05 | Venture capital availability | 2.5.....76 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.9.....54 | 8.06 | Soundness of banks | 4.4.....117 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.5.....111 |
| 3.01 | Government budget balance, % GDP* | -4.1.....91 | 8.08 | Legal rights index, 0-10 (best)* | 9.....11 |
| 3.02 | Gross national savings, % GDP* | 24.6.....46 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 5.8.....89 | 9.01 | Availability of latest technologies | 4.2.....117 |
| 3.04 | General government debt, % GDP* | 33.0.....50 | 9.02 | Firm-level technology absorption | 4.1.....116 |
| 3.05 | Country credit rating, 0-100 (best)* | 48.8.....71 | 9.03 | FDI and technology transfer | 4.3.....97 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 44.0.....64 |
| 4.01 | Business impact of malaria | n/appl.....1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 15.4.....40 |
| 4.02 | Malaria cases/100,000 pop.* | (NE).....1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 114.5.....14 |
| 4.03 | Business impact of tuberculosis | 5.1.....83 | 9.07 | Mobile broadband subscriptions/100 pop.* | 14.1.....60 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 116.0.....99 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 5.5.....58 | 10.01 | Domestic market size index, 1-7 (best)* | 4.3.....44 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1.....12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9.....48 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 11.3.....58 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 73.5.....71 | 11.01 | Local supplier quantity | 4.2.....117 |
| 4.09 | Quality of primary education | 3.5.....84 | 11.02 | Local supplier quality | 3.9.....112 |
| 4.10 | Primary education enrollment, net %* | 87.6.....106 | 11.03 | State of cluster development | 3.1.....107 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.0.....104 |
| 5.01 | Secondary education enrollment, gross %* | 97.2.....42 | 11.05 | Value chain breadth | 3.3.....97 |
| 5.02 | Tertiary education enrollment, gross %* | 58.8.....39 | 11.06 | Control of international distribution | 3.6.....114 |
| 5.03 | Quality of the educational system | 3.1.....108 | 11.07 | Production process sophistication | 3.2.....103 |
| 5.04 | Quality of math and science education | 4.2.....55 | 11.08 | Extent of marketing | 3.8.....90 |
| 5.05 | Quality of management schools | 3.5.....112 | 11.09 | Willingness to delegate authority | 3.2.....112 |
| 5.06 | Internet access in schools | 4.3.....64 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.5.....112 | 12.01 | Capacity for innovation | 3.1.....77 |
| 5.08 | Extent of staff training | 3.4.....111 | 12.02 | Quality of scientific research institutions | 3.4.....84 |
| | | | 12.03 | Company spending on R&D | 2.9.....87 |
| | | | 12.04 | University-industry collaboration in R&D | 3.1.....113 |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.1.....114 |
| | | | 12.06 | Availability of scientists and engineers | 3.8.....82 |
| | | | 12.07 | PCT patents, applications/million pop.* | 1.9.....56 |

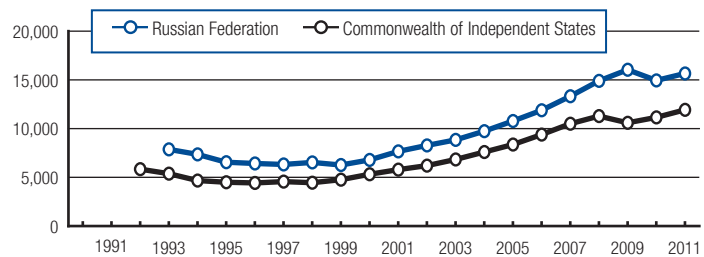
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Russian Federation

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 147.1 |
| GDP (US\$ billions)..... | 1,850.4 |
| GDP per capita (US\$)..... | 12,993 |
| GDP (PPP) as share (%) of world total..... | 3.02 |

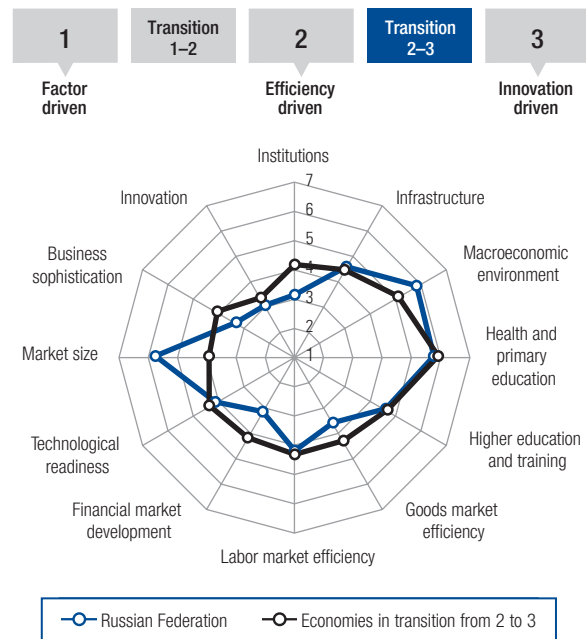
GDP (PPP) per capita (int'l \$), 1990–2011



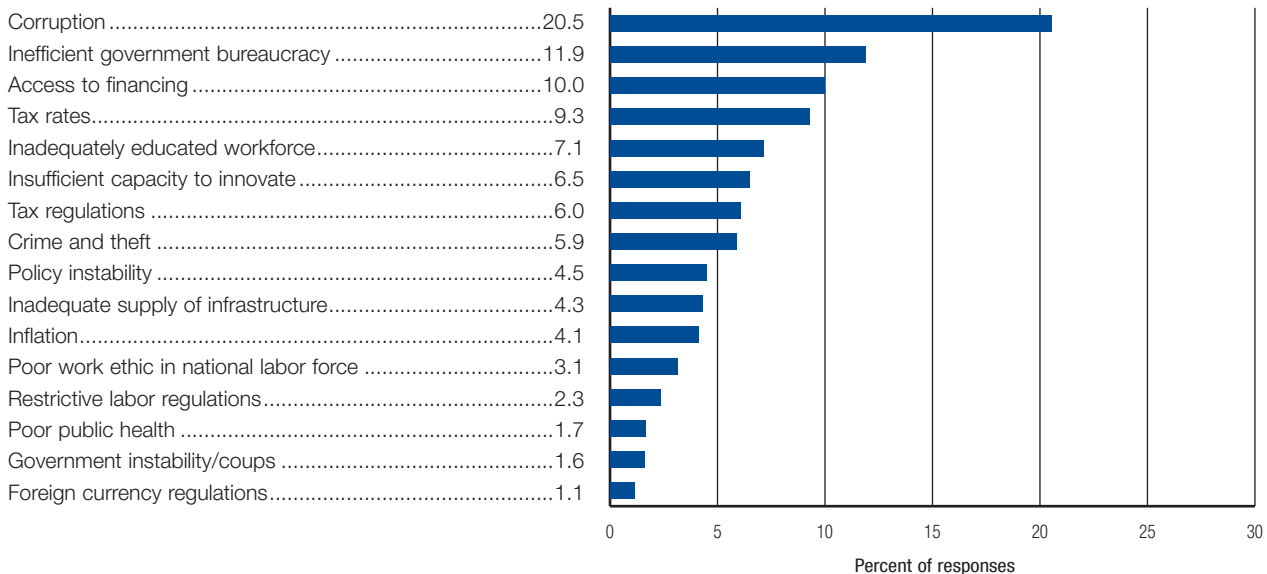
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 67 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 66 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 63 | 4.2 |
| Basic requirements (30.0%) | 53 | 4.8 |
| Institutions..... | 133 | 3.1 |
| Infrastructure..... | 47 | 4.5 |
| Macroeconomic environment..... | 22 | 5.8 |
| Health and primary education..... | 65 | 5.7 |
| Efficiency enhancers (50.0%) | 54 | 4.3 |
| Higher education and training..... | 52 | 4.6 |
| Goods market efficiency..... | 134 | 3.6 |
| Labor market efficiency..... | 84 | 4.2 |
| Financial market development..... | 130 | 3.2 |
| Technological readiness..... | 57 | 4.1 |
| Market size..... | 7 | 5.8 |
| Innovation and sophistication factors (20.0%) | 108 | 3.2 |
| Business sophistication..... | 119 | 3.3 |
| Innovation..... | 85 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Russian Federation

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.8 | 133 | 6.01 | Intensity of local competition | 4.0 | 124 |
| 1.02 | Intellectual property protection | 2.6 | 125 | 6.02 | Extent of market dominance | 3.3 | 107 |
| 1.03 | Diversion of public funds | 2.4 | 126 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 124 |
| 1.04 | Public trust in politicians | 2.5 | 86 | 6.04 | Extent and effect of taxation | 2.9 | 121 |
| 1.05 | Irregular payments and bribes | 3.1 | 120 | 6.05 | Total tax rate, % profits* | 46.9 | 105 |
| 1.06 | Judicial independence | 2.6 | 122 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.4 | 127 | 6.07 | No. days to start a business* | 30 | 104 |
| 1.08 | Wastefulness of government spending | 2.8 | 103 | 6.08 | Agricultural policy costs | 3.0 | 133 |
| 1.09 | Burden of government regulation | 2.6 | 130 | 6.09 | Prevalence of trade barriers | 3.5 | 132 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.8 | 124 | 6.10 | Trade tariffs, % duty* | 10.3 | 106 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.7 | 127 | 6.11 | Prevalence of foreign ownership | 3.4 | 133 |
| 1.12 | Transparency of government policymaking | 3.6 | 124 | 6.12 | Business impact of rules on FDI | 3.5 | 128 |
| 1.13 | Gov't services for improved business performance | 3.0 | 110 | 6.13 | Burden of customs procedures | 2.9 | 137 |
| 1.14 | Business costs of terrorism | 4.7 | 118 | 6.14 | Imports as a percentage of GDP* | 22.3 | 135 |
| 1.15 | Business costs of crime and violence | 4.5 | 90 | 6.15 | Degree of customer orientation | 3.7 | 134 |
| 1.16 | Organized crime | 4.2 | 114 | 6.16 | Buyer sophistication | 3.5 | 61 |
| 1.17 | Reliability of police services | 2.8 | 133 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.4 | 119 | 7.01 | Cooperation in labor-employer relations | 3.7 | 125 |
| 1.19 | Strength of auditing and reporting standards | 3.8 | 123 | 7.02 | Flexibility of wage determination | 5.1 | 69 |
| 1.20 | Efficacy of corporate boards | 3.9 | 124 | 7.03 | Hiring and firing practices | 3.7 | 90 |
| 1.21 | Protection of minority shareholders' interests | 3.0 | 140 | 7.04 | Redundancy costs, weeks of salary* | 17 | 81 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 4.0 | 65 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.6 | 110 | |
| 2.01 | Quality of overall infrastructure | 3.5 | 101 | 7.07 | Brain drain | 2.8 | 111 |
| 2.02 | Quality of roads | 2.3 | 136 | 7.08 | Women in labor force, ratio to men* | 0.87 | 38 |
| 2.03 | Quality of railroad infrastructure | 4.2 | 30 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.7 | 93 | 8.01 | Availability of financial services | 3.7 | 117 |
| 2.05 | Quality of air transport infrastructure | 3.8 | 104 | 8.02 | Affordability of financial services | 3.4 | 118 |
| 2.06 | Available airline seat kms/week, millions* | 3,280.5 | 12 | 8.03 | Financing through local equity market | 3.0 | 100 |
| 2.07 | Quality of electricity supply | 4.3 | 84 | 8.04 | Ease of access to loans | 2.6 | 86 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 179.3 | 5 | 8.05 | Venture capital availability | 2.4 | 85 |
| 2.09 | Fixed telephone lines/100 pop.* | 30.9 | 41 | 8.06 | Soundness of banks | 3.8 | 132 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.4 | 114 | |
| 3.01 | Government budget balance, % GDP* | 1.6 | 20 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 28.6 | 28 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.4 | 111 | 9.01 | Availability of latest technologies | 3.9 | 129 |
| 3.04 | General government debt, % GDP* | 9.6 | 9 | 9.02 | Firm-level technology absorption | 3.6 | 141 |
| 3.05 | Country credit rating, 0-100 (best)* | 66.9 | 39 | 9.03 | FDI and technology transfer | 3.6 | 135 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 49.0 | 57 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 12.2 | 47 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 31.9 | 44 |
| 4.03 | Business impact of tuberculosis | 5.4 | 70 | 9.07 | Mobile broadband subscriptions/100 pop.* | 47.9 | 17 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 106.0 | 93 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 56 | 10.01 | Domestic market size index, 1-7 (best)* | 5.6 | 9 |
| 4.06 | HIV prevalence, % adult pop.* | 1.0 | 105 | 10.02 | Foreign market size index, 1-7 (best)* | 6.1 | 7 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 9.1 | 52 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 68.8 | 100 | 11.01 | Local supplier quantity | 4.0 | 121 |
| 4.09 | Quality of primary education | 4.1 | 62 | 11.02 | Local supplier quality | 3.8 | 122 |
| 4.10 | Primary education enrollment, net %* | 93.4 | 73 | 11.03 | State of cluster development | 3.0 | 114 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 125 | |
| 5.01 | Secondary education enrollment, gross %* | 88.6 | 72 | 11.05 | Value chain breadth | 2.8 | 129 |
| 5.02 | Tertiary education enrollment, gross %* | 75.9 | 12 | 11.06 | Control of international distribution | 3.5 | 119 |
| 5.03 | Quality of the educational system | 3.4 | 86 | 11.07 | Production process sophistication | 3.1 | 113 |
| 5.04 | Quality of math and science education | 4.3 | 52 | 11.08 | Extent of marketing | 3.5 | 109 |
| 5.05 | Quality of management schools | 3.5 | 115 | 11.09 | Willingness to delegate authority | 3.2 | 117 |
| 5.06 | Internet access in schools | 4.2 | 70 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.0 | 80 | 12.01 | Capacity for innovation | 3.3 | 56 |
| 5.08 | Extent of staff training | 3.7 | 89 | 12.02 | Quality of scientific research institutions | 3.6 | 70 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 79 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.4 | 85 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.9 | 124 |
| | | | | 12.06 | Availability of scientists and engineers | 3.8 | 90 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 5.4 | 44 |

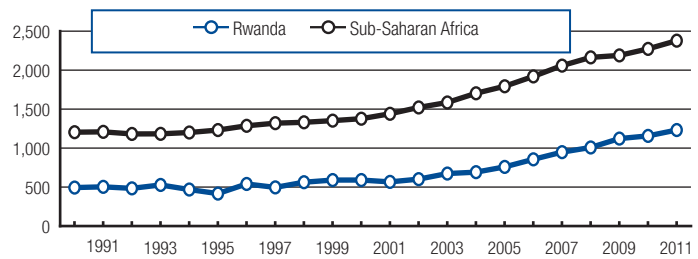
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Rwanda

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 11.0 |
| GDP (US\$ billions)..... | 6.2 |
| GDP per capita (US\$)..... | 605 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

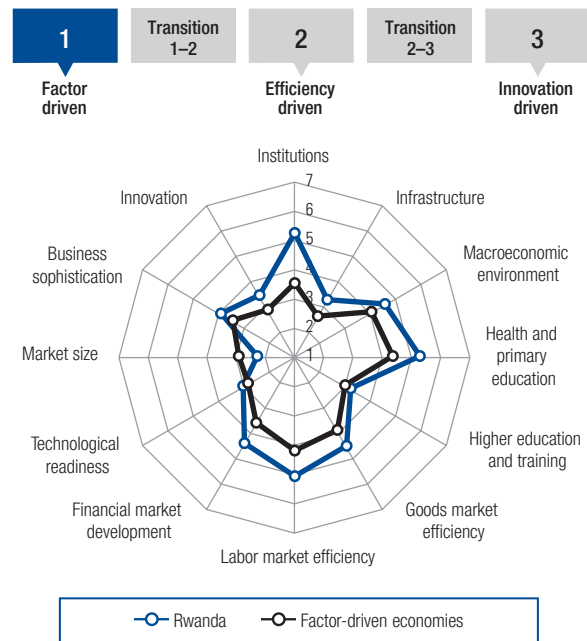
GDP (PPP) per capita (int'l \$), 1990–2011



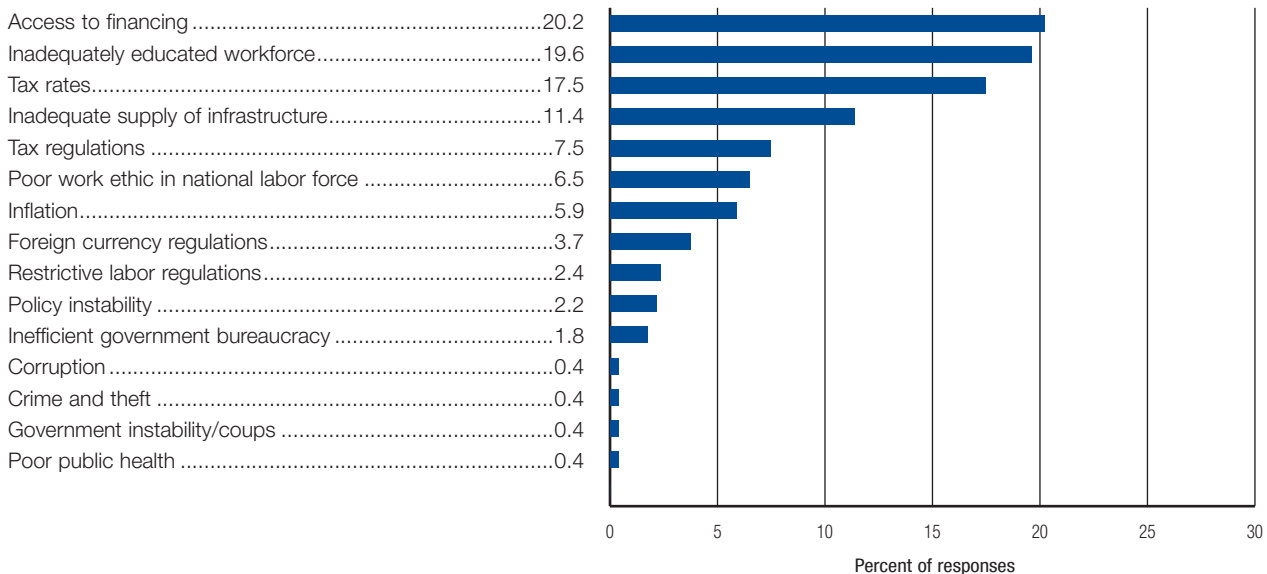
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 63 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 70 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 80 | 4.0 |
| Basic requirements (60.0%) | 70 | 4.6 |
| Institutions..... | 20 | 5.2 |
| Infrastructure..... | 96 | 3.2 |
| Macroeconomic environment..... | 78 | 4.6 |
| Health and primary education..... | 100 | 5.3 |
| Efficiency enhancers (35.0%) | 94 | 3.8 |
| Higher education and training..... | 117 | 3.2 |
| Goods market efficiency..... | 39 | 4.5 |
| Labor market efficiency..... | 11 | 5.1 |
| Financial market development..... | 49 | 4.4 |
| Technological readiness..... | 113 | 3.0 |
| Market size..... | 128 | 2.3 |
| Innovation and sophistication factors (5.0%) | 60 | 3.7 |
| Business sophistication..... | 70 | 3.9 |
| Innovation..... | 51 | 3.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.2 | 34 | 6.01 | Intensity of local competition | 4.4 | 98 |
| 1.02 | Intellectual property protection | 4.8 | 32 | 6.02 | Extent of market dominance | 3.8 | 63 |
| 1.03 | Diversion of public funds | 4.5 | 37 | 6.03 | Effectiveness of anti-monopoly policy | 4.4 | 44 |
| 1.04 | Public trust in politicians | 5.6 | 6 | 6.04 | Extent and effect of taxation | 4.4 | 20 |
| 1.05 | Irregular payments and bribes | 5.8 | 21 | 6.05 | Total tax rate, % profits* | 31.3 | 39 |
| 1.06 | Judicial independence | 5.3 | 25 | 6.06 | No. procedures to start a business* | 2 | 3 |
| 1.07 | Favoritism in decisions of government officials | 5.1 | 5 | 6.07 | No. days to start a business* | 3 | 4 |
| 1.08 | Wastefulness of government spending | 5.5 | 4 | 6.08 | Agricultural policy costs | 5.5 | 2 |
| 1.09 | Burden of government regulation | 5.3 | 2 | 6.09 | Prevalence of trade barriers | 4.5 | 60 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.1 | 15 | 6.10 | Trade tariffs, % duty* | 8.8 | 98 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.8 | 17 | 6.11 | Prevalence of foreign ownership | 4.6 | 77 |
| 1.12 | Transparency of government policymaking | 5.5 | 7 | 6.12 | Business impact of rules on FDI | 5.3 | 18 |
| 1.13 | Gov't services for improved business performance | n/a | n/a | 6.13 | Burden of customs procedures | 5.6 | 6 |
| 1.14 | Business costs of terrorism | 5.6 | 66 | 6.14 | Imports as a percentage of GDP* | 33.6 | 103 |
| 1.15 | Business costs of crime and violence | 5.6 | 30 | 6.15 | Degree of customer orientation | 4.5 | 85 |
| 1.16 | Organized crime | 5.8 | 40 | 6.16 | Buyer sophistication | 3.0 | 101 |
| 1.17 | Reliability of police services | 5.9 | 19 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 28 | 7.01 | Cooperation in labor-employer relations | 4.7 | 40 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 69 | 7.02 | Flexibility of wage determination | 5.2 | 58 |
| 1.20 | Efficacy of corporate boards | 4.8 | 46 | 7.03 | Hiring and firing practices | 4.1 | 59 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 30 | 7.04 | Redundancy costs, weeks of salary* | 13 | 54 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 4.2 | 47 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.7 | 42 | |
| 2.01 | Quality of overall infrastructure | 4.9 | 48 | 7.07 | Brain drain | 4.8 | 19 |
| 2.02 | Quality of roads | 5.0 | 40 | 7.08 | Women in labor force, ratio to men* | 1.02 | 4 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.5 | 109 | 8.01 | Availability of financial services | 4.9 | 51 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 84 | 8.02 | Affordability of financial services | 4.0 | 76 |
| 2.06 | Available airline seat kms/week, millions* | 13.2 | 128 | 8.03 | Financing through local equity market | 3.7 | 56 |
| 2.07 | Quality of electricity supply | 4.2 | 87 | 8.04 | Ease of access to loans | 3.4 | 32 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 40.6 | 137 | 8.05 | Venture capital availability | 3.4 | 27 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.4 | 138 | 8.06 | Soundness of banks | 4.9 | 84 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 61 | |
| 3.01 | Government budget balance, % GDP* | -1.9 | 50 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 14.9 | 97 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.7 | 85 | 9.01 | Availability of latest technologies | 4.7 | 87 |
| 3.04 | General government debt, % GDP* | 23.4 | 32 | 9.02 | Firm-level technology absorption | 4.6 | 84 |
| 3.05 | Country credit rating, 0-100 (best)* | 23.4 | 120 | 9.03 | FDI and technology transfer | 4.8 | 55 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 7.0 | 124 | |
| 4.01 | Business impact of malaria | 4.2 | 115 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 130 |
| 4.02 | Malaria cases/100,000 pop.* | 5,408.5 | 120 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.4 | 111 |
| 4.03 | Business impact of tuberculosis | 4.4 | 114 | 9.07 | Mobile broadband subscriptions/100 pop.* | 6.4 | 77 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 106.0 | 93 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.0 | 122 | 10.01 | Domestic market size index, 1-7 (best)* | 2.3 | 124 |
| 4.06 | HIV prevalence, % adult pop.* | 2.9 | 125 | 10.02 | Foreign market size index, 1-7 (best)* | 2.1 | 138 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 59.1 | 124 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 55.1 | 126 | 11.01 | Local supplier quantity | 4.2 | 119 |
| 4.09 | Quality of primary education | 3.9 | 64 | 11.02 | Local supplier quality | 4.2 | 88 |
| 4.10 | Primary education enrollment, net %* | 98.7 | 18 | 11.03 | State of cluster development | 3.7 | 69 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.8 | 45 | |
| 5.01 | Secondary education enrollment, gross %* | 35.8 | 128 | 11.05 | Value chain breadth | 3.4 | 85 |
| 5.02 | Tertiary education enrollment, gross %* | 5.5 | 123 | 11.06 | Control of international distribution | 3.7 | 102 |
| 5.03 | Quality of the educational system | 4.1 | 50 | 11.07 | Production process sophistication | 3.6 | 70 |
| 5.04 | Quality of math and science education | 4.1 | 62 | 11.08 | Extent of marketing | 3.9 | 76 |
| 5.05 | Quality of management schools | 4.2 | 73 | 11.09 | Willingness to delegate authority | 4.2 | 37 |
| 5.06 | Internet access in schools | 4.3 | 66 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 110 | 12.01 | Capacity for innovation | 3.3 | 55 |
| 5.08 | Extent of staff training | 3.9 | 69 | 12.02 | Quality of scientific research institutions | 3.6 | 69 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 70 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 52 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.5 | 10 |
| | | | | 12.06 | Availability of scientists and engineers | 3.8 | 85 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

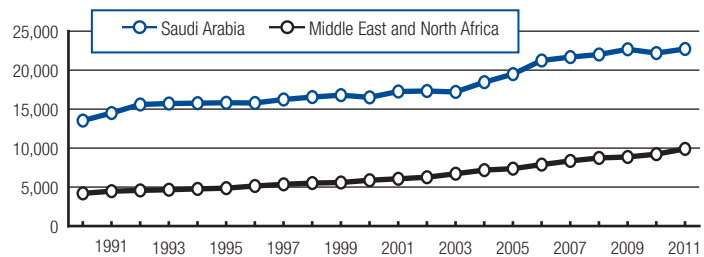
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Saudi Arabia

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 28.3 |
| GDP (US\$ billions)..... | 577.6 |
| GDP per capita (US\$)..... | 20,504 |
| GDP (PPP) as share (%) of world total..... | 0.87 |

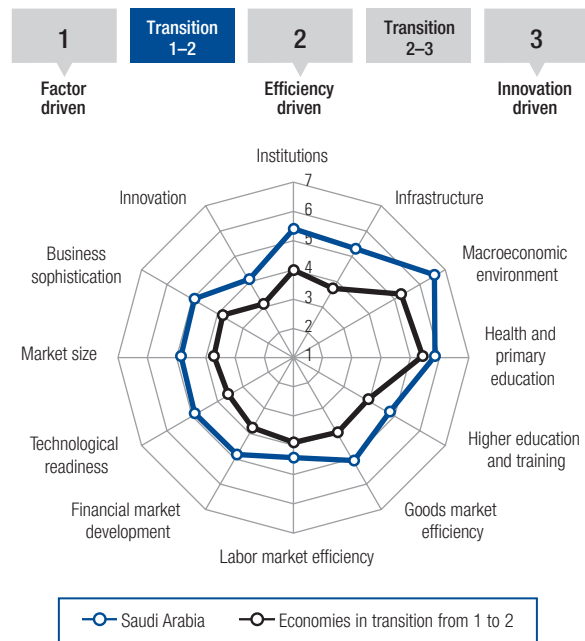
GDP (PPP) per capita (int'l \$), 1990–2011



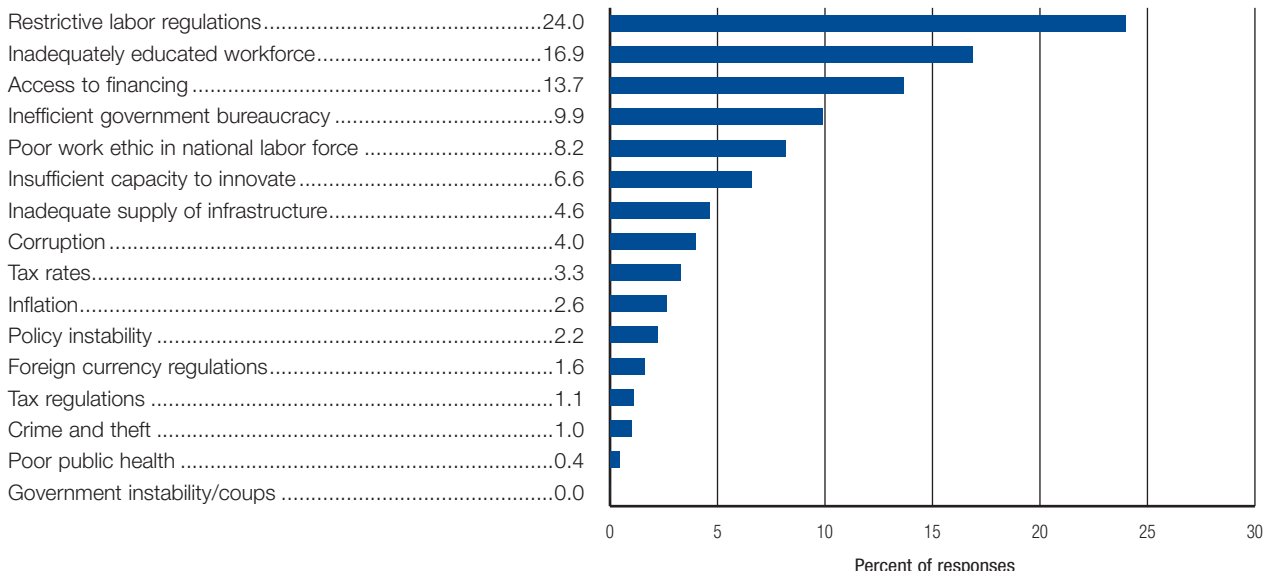
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 18 | 5.2 |
| GCI 2011–2012 (out of 142)..... | 17 | 5.2 |
| GCI 2010–2011 (out of 139)..... | 21 | 4.9 |
| Basic requirements (43.4%) | 13 | 5.7 |
| Institutions..... | 15 | 5.3 |
| Infrastructure..... | 26 | 5.2 |
| Macroeconomic environment..... | 6 | 6.5 |
| Health and primary education..... | 58 | 5.8 |
| Efficiency enhancers (47.5%) | 26 | 4.8 |
| Higher education and training..... | 40 | 4.8 |
| Goods market efficiency..... | 14 | 5.1 |
| Labor market efficiency..... | 59 | 4.5 |
| Financial market development..... | 22 | 4.9 |
| Technological readiness..... | 35 | 4.9 |
| Market size..... | 24 | 4.9 |
| Innovation and sophistication factors (9.2%) | 29 | 4.5 |
| Business sophistication..... | 25 | 4.9 |
| Innovation..... | 29 | 4.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Saudi Arabia

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.6 | 20 | 6.01 | Intensity of local competition | 5.7 | 14 |
| 1.02 | Intellectual property protection | 5.1 | 27 | 6.02 | Extent of market dominance | 4.9 | 18 |
| 1.03 | Diversion of public funds | 5.1 | 24 | 6.03 | Effectiveness of anti-monopoly policy | 5.1 | 12 |
| 1.04 | Public trust in politicians | 5.6 | 5 | 6.04 | Extent and effect of taxation | 5.1 | 10 |
| 1.05 | Irregular payments and bribes | 5.6 | 24 | 6.05 | Total tax rate, % profits* | 14.5 | 6 |
| 1.06 | Judicial independence | 5.3 | 26 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 4.6 | 12 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 5.5 | 5 | 6.08 | Agricultural policy costs | 4.8 | 9 |
| 1.09 | Burden of government regulation | 4.1 | 28 | 6.09 | Prevalence of trade barriers | 5.2 | 19 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.6 | 31 | 6.10 | Trade tariffs, % duty* | 4.6 | 60 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.6 | 24 | 6.11 | Prevalence of foreign ownership | 4.6 | 76 |
| 1.12 | Transparency of government policymaking | 4.8 | 34 | 6.12 | Business impact of rules on FDI | 5.2 | 27 |
| 1.13 | Gov't services for improved business performance | 5.2 | 5 | 6.13 | Burden of customs procedures | 4.8 | 31 |
| 1.14 | Business costs of terrorism | 6.3 | 16 | 6.14 | Imports as a percentage of GDP* | 28.8 | 122 |
| 1.15 | Business costs of crime and violence | 6.3 | 4 | 6.15 | Degree of customer orientation | 5.1 | 36 |
| 1.16 | Organized crime | 6.6 | 6 | 6.16 | Buyer sophistication | 4.1 | 29 |
| 1.17 | Reliability of police services | 5.6 | 27 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.2 | 27 | 7.01 | Cooperation in labor-employer relations | 4.8 | 35 |
| 1.19 | Strength of auditing and reporting standards | 5.6 | 19 | 7.02 | Flexibility of wage determination | 5.8 | 15 |
| 1.20 | Efficacy of corporate boards | 5.2 | 19 | 7.03 | Hiring and firing practices | 4.7 | 22 |
| 1.21 | Protection of minority shareholders' interests | 5.5 | 9 | 7.04 | Redundancy costs, weeks of salary* | 19 | 88 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.0 | 17 | 7.05 | Pay and productivity | 4.7 | 15 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.0 | 36 | |
| 2.01 | Quality of overall infrastructure | 5.8 | 23 | 7.07 | Brain drain | 5.0 | 13 |
| 2.02 | Quality of roads | 6.0 | 12 | 7.08 | Women in labor force, ratio to men* | 0.24 | 141 |
| 2.03 | Quality of railroad infrastructure | 3.7 | 38 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.3 | 28 | 8.01 | Availability of financial services | 5.3 | 31 |
| 2.05 | Quality of air transport infrastructure | 5.7 | 34 | 8.02 | Affordability of financial services | 5.3 | 14 |
| 2.06 | Available airline seat kms/week, millions* | 1,065.4 | 25 | 8.03 | Financing through local equity market | 4.7 | 14 |
| 2.07 | Quality of electricity supply | 6.3 | 21 | 8.04 | Ease of access to loans | 4.1 | 14 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 191.2 | 3 | 8.05 | Venture capital availability | 3.7 | 18 |
| 2.09 | Fixed telephone lines/100 pop.* | 16.5 | 75 | 8.06 | Soundness of banks | 6.1 | 16 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.4 | 19 | |
| 3.01 | Government budget balance, % GDP* | 15.2 | 4 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 43.0 | 10 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.0 | 74 | 9.01 | Availability of latest technologies | 5.9 | 34 |
| 3.04 | General government debt, % GDP* | 7.5 | 8 | 9.02 | Firm-level technology absorption | 5.8 | 20 |
| 3.05 | Country credit rating, 0-100 (best)* | 74.4 | 29 | 9.03 | FDI and technology transfer | 5.5 | 8 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 47.5 | 61 | |
| 4.01 | Business impact of malaria | 6.3 | 75 | 9.05 | Broadband Internet subscriptions/100 pop.* | 5.7 | 71 |
| 4.02 | Malaria cases/100,000 pop.* | 0.3 | 76 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 33.0 | 42 |
| 4.03 | Business impact of tuberculosis | 6.3 | 27 | 9.07 | Mobile broadband subscriptions/100 pop.* | 40.4 | 26 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 18.0 | 40 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 23 | 10.01 | Domestic market size index, 1-7 (best)* | 4.5 | 28 |
| 4.06 | HIV prevalence, % adult pop.* | 0.0 | 1 | 10.02 | Foreign market size index, 1-7 (best)* | 5.8 | 18 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 15.0 | 69 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.9 | 63 | 11.01 | Local supplier quantity | 5.6 | 6 |
| 4.09 | Quality of primary education | 4.4 | 45 | 11.02 | Local supplier quality | 5.1 | 32 |
| 4.10 | Primary education enrollment, net %* | 89.9 | 94 | 11.03 | State of cluster development | 4.6 | 21 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.3 | 30 | |
| 5.01 | Secondary education enrollment, gross %* | 100.6 | 29 | 11.05 | Value chain breadth | 4.6 | 24 |
| 5.02 | Tertiary education enrollment, gross %* | 36.8 | 69 | 11.06 | Control of international distribution | 5.2 | 7 |
| 5.03 | Quality of the educational system | 4.4 | 32 | 11.07 | Production process sophistication | 5.1 | 26 |
| 5.04 | Quality of math and science education | 4.5 | 37 | 11.08 | Extent of marketing | 5.1 | 31 |
| 5.05 | Quality of management schools | 4.6 | 45 | 11.09 | Willingness to delegate authority | 4.6 | 24 |
| 5.06 | Internet access in schools | 4.9 | 42 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.7 | 35 | 12.01 | Capacity for innovation | 3.9 | 29 |
| 5.08 | Extent of staff training | 4.4 | 35 | 12.02 | Quality of scientific research institutions | 4.5 | 37 |
| | | | | 12.03 | Company spending on R&D | 4.2 | 23 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.5 | 31 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.8 | 5 |
| | | | | 12.06 | Availability of scientists and engineers | 4.8 | 26 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.2 | 49 |

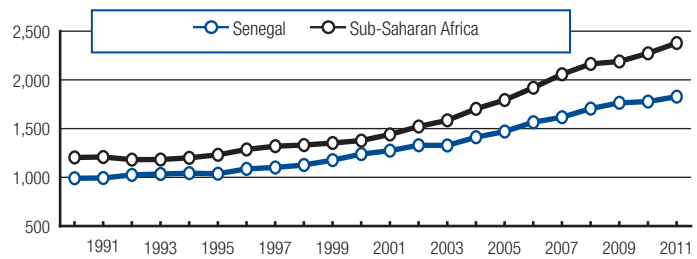
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Senegal

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 12.8 |
| GDP (US\$ billions)..... | 14.5 |
| GDP per capita (US\$)..... | 1,076 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

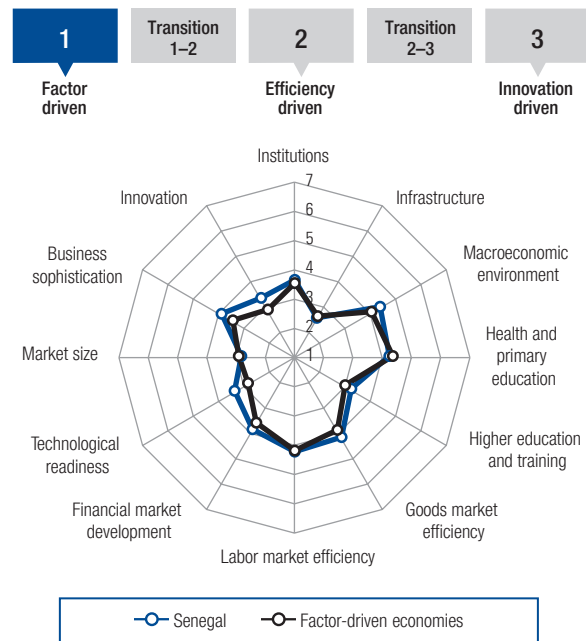
GDP (PPP) per capita (int'l \$), 1990–2011



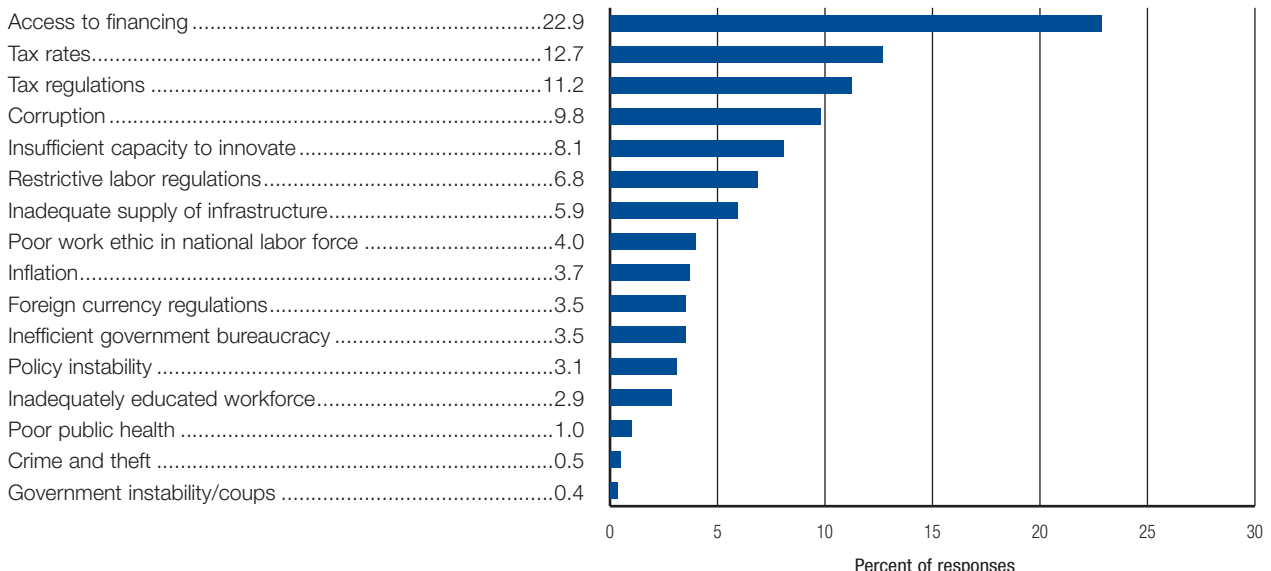
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 117 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 111 | 3.7 |
| GCI 2010–2011 (out of 139)..... | 104 | 3.7 |
| Basic requirements (60.0%) | 120 | 3.7 |
| Institutions..... | 90 | 3.6 |
| Infrastructure..... | 124 | 2.5 |
| Macroeconomic environment..... | 92 | 4.4 |
| Health and primary education..... | 125 | 4.2 |
| Efficiency enhancers (35.0%) | 106 | 3.6 |
| Higher education and training..... | 116 | 3.2 |
| Goods market efficiency..... | 77 | 4.2 |
| Labor market efficiency..... | 80 | 4.3 |
| Financial market development..... | 84 | 3.9 |
| Technological readiness..... | 95 | 3.4 |
| Market size..... | 105 | 2.8 |
| Innovation and sophistication factors (5.0%) | 65 | 3.6 |
| Business sophistication..... | 72 | 3.9 |
| Innovation..... | 62 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 78 | 6.01 | Intensity of local competition | 5.1 | 52 |
| 1.02 | Intellectual property protection | 3.1 | 95 | 6.02 | Extent of market dominance | 3.7 | 67 |
| 1.03 | Diversion of public funds | 2.5 | 122 | 6.03 | Effectiveness of anti-monopoly policy | 4.2 | 59 |
| 1.04 | Public trust in politicians | 2.0 | 123 | 6.04 | Extent and effect of taxation | 2.8 | 129 |
| 1.05 | Irregular payments and bribes | 3.5 | 94 | 6.05 | Total tax rate, % profits* | 46.0 | 99 |
| 1.06 | Judicial independence | 2.6 | 118 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 98 | 6.07 | No. days to start a business* | 5 | 10 |
| 1.08 | Wastefulness of government spending | 2.5 | 115 | 6.08 | Agricultural policy costs | 3.8 | 83 |
| 1.09 | Burden of government regulation | 3.1 | 91 | 6.09 | Prevalence of trade barriers | 3.8 | 112 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.7 | 71 | 6.10 | Trade tariffs, % duty* | 11.4 | 119 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.4 | 84 | 6.11 | Prevalence of foreign ownership | 5.2 | 41 |
| 1.12 | Transparency of government policymaking | 4.1 | 84 | 6.12 | Business impact of rules on FDI | 4.6 | 68 |
| 1.13 | Gov't services for improved business performance | 3.4 | 86 | 6.13 | Burden of customs procedures | 4.8 | 34 |
| 1.14 | Business costs of terrorism | 5.4 | 83 | 6.14 | Imports as a percentage of GDP* | 45.5 | 71 |
| 1.15 | Business costs of crime and violence | 5.4 | 40 | 6.15 | Degree of customer orientation | 4.8 | 51 |
| 1.16 | Organized crime | 5.3 | 66 | 6.16 | Buyer sophistication | 2.5 | 128 |
| 1.17 | Reliability of police services | 4.4 | 62 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.7 | 86 | 7.01 | Cooperation in labor-employer relations | 4.3 | 71 |
| 1.19 | Strength of auditing and reporting standards | 4.4 | 80 | 7.02 | Flexibility of wage determination | 4.6 | 103 |
| 1.20 | Efficacy of corporate boards | 4.7 | 49 | 7.03 | Hiring and firing practices | 3.9 | 76 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 69 | 7.04 | Redundancy costs, weeks of salary* | 14 | 63 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 3.7 | 85 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 95 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 109 | 7.07 | Brain drain | 3.4 | 74 |
| 2.02 | Quality of roads | 3.2 | 97 | 7.08 | Women in labor force, ratio to men* | 0.75 | 86 |
| 2.03 | Quality of railroad infrastructure | 1.7 | 105 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.5 | 58 | 8.01 | Availability of financial services | 4.3 | 83 |
| 2.05 | Quality of air transport infrastructure | 4.4 | 77 | 8.02 | Affordability of financial services | 3.9 | 84 |
| 2.06 | Available airline seat kms/week, millions* | 86.9 | 80 | 8.03 | Financing through local equity market | 3.0 | 101 |
| 2.07 | Quality of electricity supply | 1.8 | 134 | 8.04 | Ease of access to loans | 2.2 | 117 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 73.3 | 113 | 8.05 | Venture capital availability | 2.1 | 114 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.7 | 117 | 8.06 | Soundness of banks | 5.4 | 59 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 77 | |
| 3.01 | Government budget balance, % GDP* | -6.1 | 122 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 20.9 | 69 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.4 | 40 | 9.01 | Availability of latest technologies | 5.3 | 49 |
| 3.04 | General government debt, % GDP* | 40.6 | 73 | 9.02 | Firm-level technology absorption | 5.5 | 36 |
| 3.05 | Country credit rating, 0-100 (best)* | 35.2 | 92 | 9.03 | FDI and technology transfer | 4.7 | 63 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 17.5 | 102 | |
| 4.01 | Business impact of malaria | 4.1 | 120 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.7 | 106 |
| 4.02 | Malaria cases/100,000 pop.* | 29,332.2 | 135 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.9 | 118 |
| 4.03 | Business impact of tuberculosis | 4.5 | 108 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.5 | 107 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 288.0 | 128 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.8 | 95 | 10.01 | Domestic market size index, 1-7 (best)* | 2.7 | 99 |
| 4.06 | HIV prevalence, % adult pop.* | 0.9 | 102 | 10.02 | Foreign market size index, 1-7 (best)* | 3.1 | 117 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 49.8 | 113 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 59.0 | 118 | 11.01 | Local supplier quantity | 5.2 | 27 |
| 4.09 | Quality of primary education | 3.3 | 96 | 11.02 | Local supplier quality | 4.9 | 42 |
| 4.10 | Primary education enrollment, net %* | 75.5 | 129 | 11.03 | State of cluster development | 3.4 | 90 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 98 | |
| 5.01 | Secondary education enrollment, gross %* | 37.4 | 126 | 11.05 | Value chain breadth | 4.1 | 39 |
| 5.02 | Tertiary education enrollment, gross %* | 7.9 | 117 | 11.06 | Control of international distribution | 3.8 | 95 |
| 5.03 | Quality of the educational system | 3.6 | 73 | 11.07 | Production process sophistication | 3.4 | 91 |
| 5.04 | Quality of math and science education | 3.8 | 79 | 11.08 | Extent of marketing | 4.1 | 69 |
| 5.05 | Quality of management schools | 4.7 | 41 | 11.09 | Willingness to delegate authority | 3.1 | 122 |
| 5.06 | Internet access in schools | 3.8 | 84 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.7 | 38 | 12.01 | Capacity for innovation | 3.2 | 69 |
| 5.08 | Extent of staff training | 3.0 | 135 | 12.02 | Quality of scientific research institutions | 3.9 | 55 |
| | | | 12.03 | Company spending on R&D | 3.3 | 49 | |
| | | | 12.04 | University-industry collaboration in R&D | 3.4 | 86 | |
| | | | 12.05 | Gov't procurement of advanced tech products | 3.8 | 51 | |
| | | | 12.06 | Availability of scientists and engineers | 4.6 | 35 | |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 108 | |

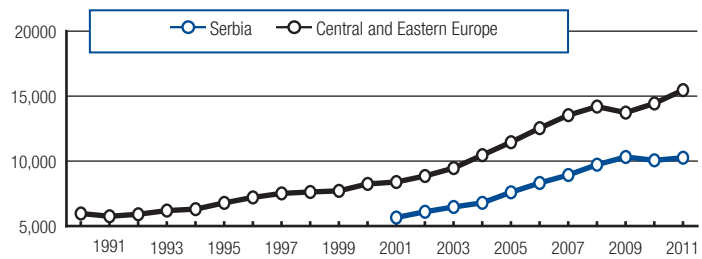
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Serbia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 10.2 |
| GDP (US\$ billions)..... | 45.1 |
| GDP per capita (US\$)..... | 6,081 |
| GDP (PPP) as share (%) of world total..... | 0.10 |

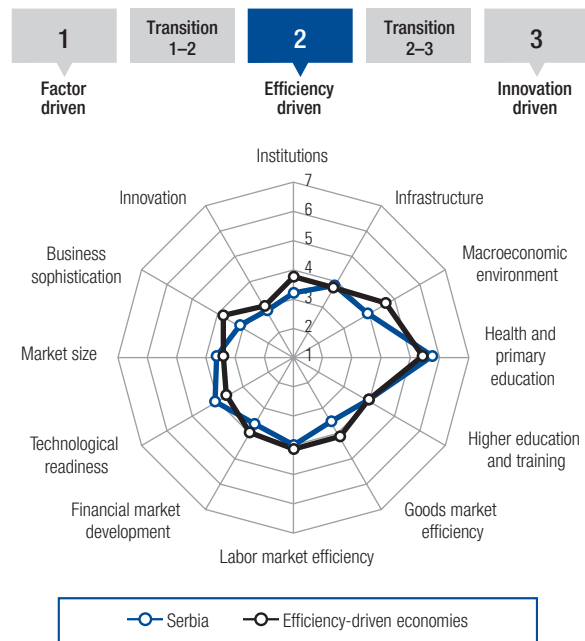
GDP (PPP) per capita (int'l \$), 1990–2011



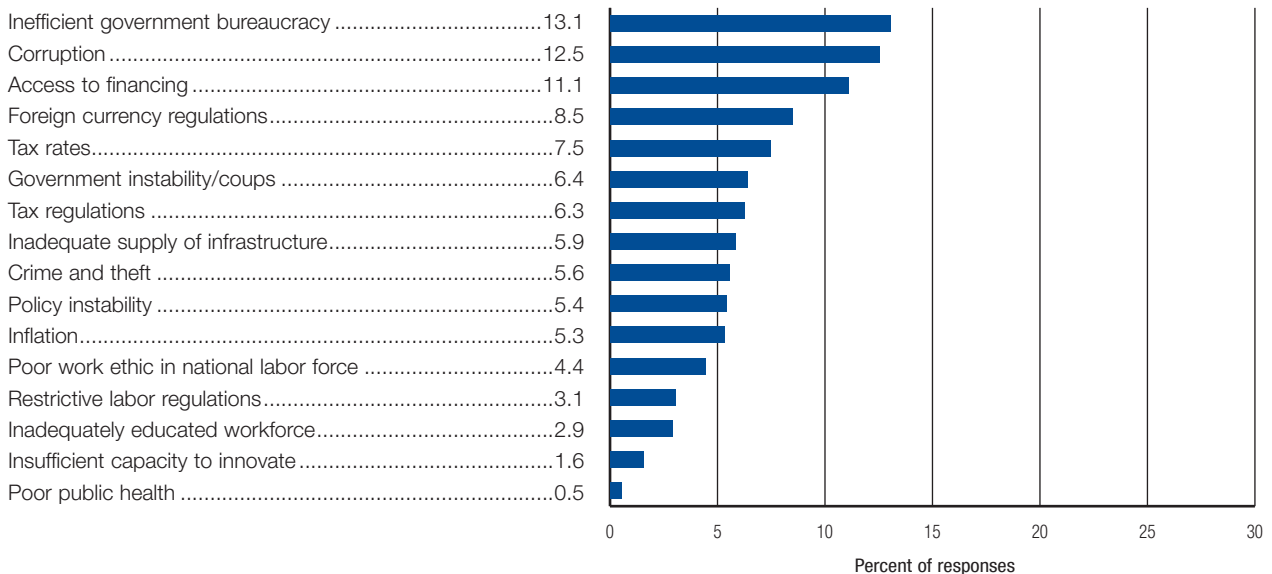
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 95 | 3.9 |
| GCI 2011–2012 (out of 142)..... | 95 | 3.9 |
| GCI 2010–2011 (out of 139)..... | 96 | 3.8 |
| Basic requirements (40.0%) | 95 | 4.1 |
| Institutions..... | 130 | 3.2 |
| Infrastructure..... | 77 | 3.8 |
| Macroeconomic environment..... | 115 | 3.9 |
| Health and primary education..... | 66 | 5.7 |
| Efficiency enhancers (50.0%) | 88 | 3.8 |
| Higher education and training..... | 85 | 4.0 |
| Goods market efficiency..... | 136 | 3.6 |
| Labor market efficiency..... | 100 | 4.0 |
| Financial market development..... | 100 | 3.7 |
| Technological readiness..... | 58 | 4.1 |
| Market size..... | 67 | 3.6 |
| Innovation and sophistication factors (10.0%) | 124 | 3.0 |
| Business sophistication..... | 132 | 3.1 |
| Innovation..... | 111 | 2.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.1 | 130 | 6.01 | Intensity of local competition | 3.6 | 137 |
| 1.02 | Intellectual property protection | 2.8 | 116 | 6.02 | Extent of market dominance | 2.6 | 142 |
| 1.03 | Diversion of public funds | 2.8 | 95 | 6.03 | Effectiveness of anti-monopoly policy | 2.8 | 142 |
| 1.04 | Public trust in politicians | 2.0 | 118 | 6.04 | Extent and effect of taxation | 2.9 | 122 |
| 1.05 | Irregular payments and bribes | 3.6 | 86 | 6.05 | Total tax rate, % profits* | 34.0 | 50 |
| 1.06 | Judicial independence | 2.4 | 129 | 6.06 | No. procedures to start a business* | 7 | 74 |
| 1.07 | Favoritism in decisions of government officials | 2.3 | 132 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 2.2 | 132 | 6.08 | Agricultural policy costs | 3.3 | 119 |
| 1.09 | Burden of government regulation | 2.4 | 136 | 6.09 | Prevalence of trade barriers | 3.8 | 113 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.5 | 138 | 6.10 | Trade tariffs, % duty* | 5.3 | 72 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.6 | 133 | 6.11 | Prevalence of foreign ownership | 3.8 | 124 |
| 1.12 | Transparency of government policymaking | 3.8 | 111 | 6.12 | Business impact of rules on FDI | 3.7 | 123 |
| 1.13 | Gov't services for improved business performance | 2.8 | 126 | 6.13 | Burden of customs procedures | 3.5 | 102 |
| 1.14 | Business costs of terrorism | 5.6 | 71 | 6.14 | Imports as a percentage of GDP* | 53.5 | 56 |
| 1.15 | Business costs of crime and violence | 4.6 | 85 | 6.15 | Degree of customer orientation | 3.7 | 135 |
| 1.16 | Organized crime | 4.1 | 118 | 6.16 | Buyer sophistication | 2.2 | 138 |
| 1.17 | Reliability of police services | 4.0 | 78 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 132 | 7.01 | Cooperation in labor-employer relations | 3.3 | 139 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 117 | 7.02 | Flexibility of wage determination | 5.4 | 41 |
| 1.20 | Efficacy of corporate boards | 3.7 | 141 | 7.03 | Hiring and firing practices | 3.6 | 98 |
| 1.21 | Protection of minority shareholders' interests | 2.6 | 143 | 7.04 | Redundancy costs, weeks of salary* | 8 | 21 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.5 | 106 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.3 | 135 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 120 | 7.07 | Brain drain | 1.9 | 141 |
| 2.02 | Quality of roads | 2.7 | 122 | 7.08 | Women in labor force, ratio to men* | 0.77 | 77 |
| 2.03 | Quality of railroad infrastructure | 2.7 | 102 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 1.7 | 134 | 8.01 | Availability of financial services | 4.0 | 97 |
| 2.05 | Quality of air transport infrastructure | 3.2 | 130 | 8.02 | Affordability of financial services | 3.7 | 100 |
| 2.06 | Available airline seat kms/week, millions* | 57.9 | 92 | 8.03 | Financing through local equity market | 2.4 | 124 |
| 2.07 | Quality of electricity supply | 4.8 | 73 | 8.04 | Ease of access to loans | 2.4 | 105 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 125.4 | 38 | 8.05 | Venture capital availability | 1.9 | 126 |
| 2.09 | Fixed telephone lines/100 pop.* | 37.3 | 31 | 8.06 | Soundness of banks | 4.3 | 119 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 120 | |
| 3.01 | Government budget balance, % GDP* | -4.0 | 90 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 16.1 | 93 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 11.2 | 129 | 9.01 | Availability of latest technologies | 3.9 | 127 |
| 3.04 | General government debt, % GDP* | 47.9 | 92 | 9.02 | Firm-level technology absorption | 3.6 | 142 |
| 3.05 | Country credit rating, 0-100 (best)* | 39.8 | 79 | 9.03 | FDI and technology transfer | 3.8 | 123 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 42.2 | 67 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 10.8 | 53 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 76.8 | 20 |
| 4.03 | Business impact of tuberculosis | 6.0 | 35 | 9.07 | Mobile broadband subscriptions/100 pop.* | 34.5 | 32 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 18.0 | 40 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.0 | 29 | 10.01 | Domestic market size index, 1-7 (best)* | 3.5 | 67 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.1 | 74 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 6.1 | 39 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.9 | 61 | 11.01 | Local supplier quantity | 4.2 | 110 |
| 4.09 | Quality of primary education | 3.5 | 83 | 11.02 | Local supplier quality | 3.9 | 113 |
| 4.10 | Primary education enrollment, net %* | 92.7 | 77 | 11.03 | State of cluster development | 2.7 | 133 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.5 | 134 | |
| 5.01 | Secondary education enrollment, gross %* | 91.4 | 58 | 11.05 | Value chain breadth | 2.9 | 119 |
| 5.02 | Tertiary education enrollment, gross %* | 49.1 | 52 | 11.06 | Control of international distribution | 3.5 | 120 |
| 5.03 | Quality of the educational system | 3.1 | 111 | 11.07 | Production process sophistication | 2.7 | 128 |
| 5.04 | Quality of math and science education | 4.1 | 60 | 11.08 | Extent of marketing | 2.9 | 129 |
| 5.05 | Quality of management schools | 3.5 | 116 | 11.09 | Willingness to delegate authority | 2.6 | 139 |
| 5.06 | Internet access in schools | 3.6 | 92 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.2 | 125 | 12.01 | Capacity for innovation | 2.5 | 120 |
| 5.08 | Extent of staff training | 2.9 | 138 | 12.02 | Quality of scientific research institutions | 3.6 | 67 |
| | | | | 12.03 | Company spending on R&D | 2.3 | 132 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 99 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 115 |
| | | | | 12.06 | Availability of scientists and engineers | 3.9 | 78 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

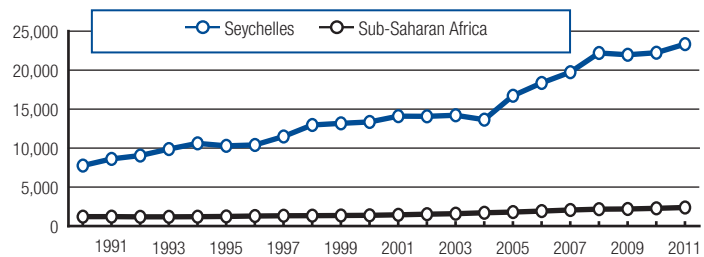
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Seychelles

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 0.1 |
| GDP (US\$ billions)..... | 1.0 |
| GDP per capita (US\$)..... | 11,170 |
| GDP (PPP) as share (%) of world total..... | 0.00 |

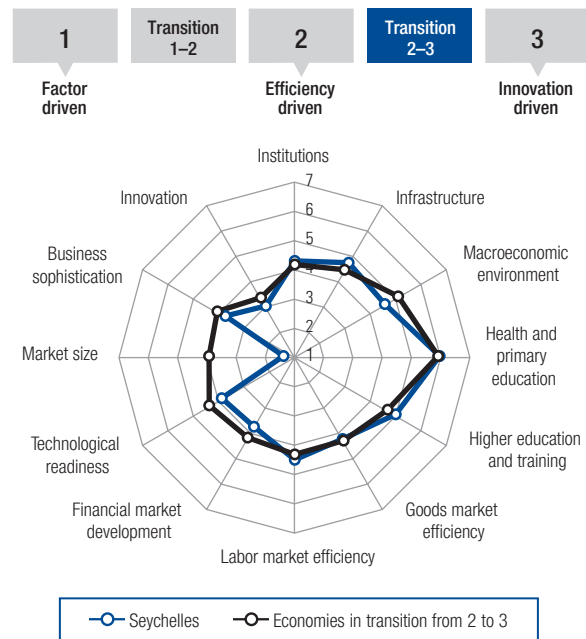
GDP (PPP) per capita (int'l \$), 1990–2011



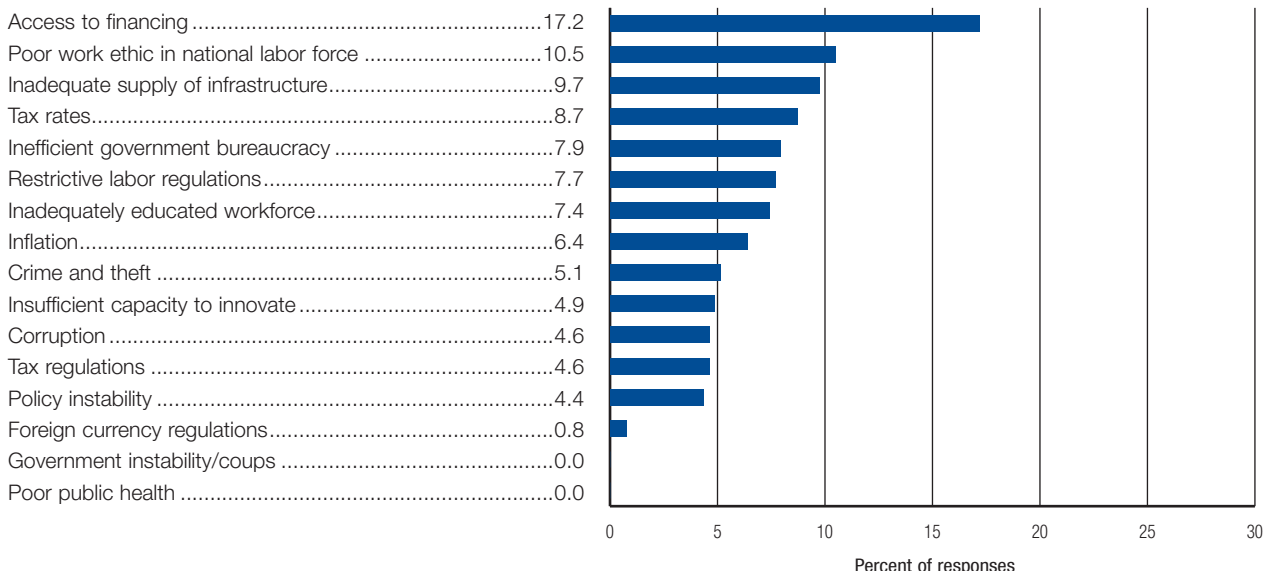
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 76 | 4.1 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (34.6%) | 46 | 4.9 |
| Institutions..... | 47 | 4.2 |
| Infrastructure..... | 42 | 4.7 |
| Macroeconomic environment..... | 79 | 4.6 |
| Health and primary education..... | 47 | 5.9 |
| Efficiency enhancers (50.0%) | 91 | 3.8 |
| Higher education and training..... | 31 | 5.0 |
| Goods market efficiency..... | 70 | 4.3 |
| Labor market efficiency..... | 48 | 4.5 |
| Financial market development..... | 94 | 3.8 |
| Technological readiness..... | 66 | 3.9 |
| Market size..... | 142 | 1.4 |
| Innovation and sophistication factors (15.4%) | 87 | 3.4 |
| Business sophistication..... | 87 | 3.7 |
| Innovation..... | 93 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Seychelles

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.7 | 50 | 6.01 | Intensity of local competition | 4.5 | 90 |
| 1.02 | Intellectual property protection | 3.9 | 52 | 6.02 | Extent of market dominance | 3.5 | 87 |
| 1.03 | Diversion of public funds | 3.9 | 46 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 81 |
| 1.04 | Public trust in politicians | 3.6 | 38 | 6.04 | Extent and effect of taxation | 3.4 | 82 |
| 1.05 | Irregular payments and bribes | 4.3 | 57 | 6.05 | Total tax rate, % profits* | 32.2 | 44 |
| 1.06 | Judicial independence | 4.0 | 62 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 3.5 | 47 | 6.07 | No. days to start a business* | 39 | 117 |
| 1.08 | Wastefulness of government spending | 4.0 | 25 | 6.08 | Agricultural policy costs | 3.9 | 63 |
| 1.09 | Burden of government regulation | 4.2 | 18 | 6.09 | Prevalence of trade barriers | 4.5 | 59 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 | 55 | 6.10 | Trade tariffs, % duty* | 0.2 | 5 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2 | 35 | 6.11 | Prevalence of foreign ownership | 5.0 | 57 |
| 1.12 | Transparency of government policymaking | 4.8 | 37 | 6.12 | Business impact of rules on FDI | 4.9 | 47 |
| 1.13 | Gov't services for improved business performance | 4.4 | 24 | 6.13 | Burden of customs procedures | 4.4 | 50 |
| 1.14 | Business costs of terrorism | 4.9 | 112 | 6.14 | Imports as a percentage of GDP* | 112.5 | 5 |
| 1.15 | Business costs of crime and violence | 4.2 | 102 | 6.15 | Degree of customer orientation | 4.2 | 109 |
| 1.16 | Organized crime | 5.8 | 45 | 6.16 | Buyer sophistication | 3.2 | 91 |
| 1.17 | Reliability of police services | 3.7 | 97 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.2 | 51 | 7.01 | Cooperation in labor-employer relations | 4.8 | 36 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 59 | 7.02 | Flexibility of wage determination | 5.1 | 67 |
| 1.20 | Efficacy of corporate boards | 4.5 | 70 | 7.03 | Hiring and firing practices | 3.8 | 82 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 45 | 7.04 | Redundancy costs, weeks of salary* | 13 | 61 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 3.8 | 76 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 78 | |
| 2.01 | Quality of overall infrastructure | 4.7 | 54 | 7.07 | Brain drain | 3.3 | 85 |
| 2.02 | Quality of roads | 4.3 | 60 | 7.08 | Women in labor force, ratio to men* | 0.86 | 43 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.0 | 43 | 8.01 | Availability of financial services | 4.3 | 86 |
| 2.05 | Quality of air transport infrastructure | 5.0 | 55 | 8.02 | Affordability of financial services | 4.0 | 83 |
| 2.06 | Available airline seat kms/week, millions* | 23.6 | 116 | 8.03 | Financing through local equity market | 2.7 | 116 |
| 2.07 | Quality of electricity supply | 5.3 | 55 | 8.04 | Ease of access to loans | 3.4 | 36 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 145.7 | 17 | 8.05 | Venture capital availability | 2.4 | 81 |
| 2.09 | Fixed telephone lines/100 pop.* | 32.1 | 37 | 8.06 | Soundness of banks | 5.2 | 69 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.1 | 67 | |
| 3.01 | Government budget balance, % GDP* | 2.6 | 16 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 13.8 | 105 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 2.6 | 1 | 9.01 | Availability of latest technologies | 5.0 | 67 |
| 3.04 | General government debt, % GDP* | 83.0 | 128 | 9.02 | Firm-level technology absorption | 5.1 | 51 |
| 3.05 | Country credit rating, 0-100 (best)* | 19.5 | 131 | 9.03 | FDI and technology transfer | 4.3 | 92 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 43.2 | 65 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 8.9 | 59 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 5.9 | 101 |
| 4.03 | Business impact of tuberculosis | 4.3 | 117 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.7 | 81 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 31.0 | 58 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.6 | 128 | 10.01 | Domestic market size index, 1-7 (best)* | 1.0 | 144 |
| 4.06 | HIV prevalence, % adult pop.* | 3.0 | 126 | 10.02 | Foreign market size index, 1-7 (best)* | 2.5 | 134 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 11.7 | 60 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.0 | 80 | 11.01 | Local supplier quantity | 4.2 | 118 |
| 4.09 | Quality of primary education | 4.5 | 40 | 11.02 | Local supplier quality | 3.8 | 120 |
| 4.10 | Primary education enrollment, net %* | 95.1 | 52 | 11.03 | State of cluster development | 3.5 | 81 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.5 | 27 | |
| 5.01 | Secondary education enrollment, gross %* | 119.2 | 5 | 11.05 | Value chain breadth | 3.3 | 98 |
| 5.02 | Tertiary education enrollment, gross %* | n/a | n/a | 11.06 | Control of international distribution | 3.6 | 107 |
| 5.03 | Quality of the educational system | 4.1 | 48 | 11.07 | Production process sophistication | 3.2 | 101 |
| 5.04 | Quality of math and science education | 4.0 | 72 | 11.08 | Extent of marketing | 3.5 | 106 |
| 5.05 | Quality of management schools | 4.0 | 84 | 11.09 | Willingness to delegate authority | 3.7 | 71 |
| 5.06 | Internet access in schools | 4.6 | 52 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.5 | 111 | 12.01 | Capacity for innovation | 3.0 | 84 |
| 5.08 | Extent of staff training | 4.0 | 62 | 12.02 | Quality of scientific research institutions | 3.3 | 95 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 108 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 121 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 38 |
| | | | | 12.06 | Availability of scientists and engineers | 3.2 | 129 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 5.8 | 41 |

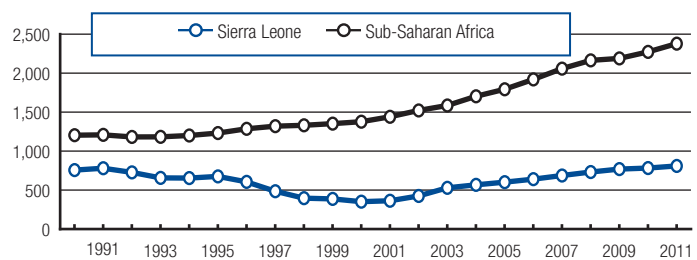
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Sierra Leone

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 6.0 |
| GDP (US\$ billions)..... | 2.2 |
| GDP per capita (US\$)..... | 366 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

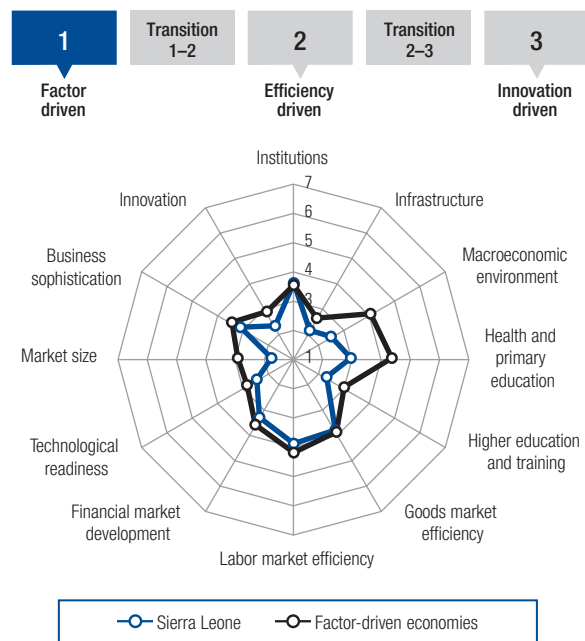
GDP (PPP) per capita (int'l \$), 1990–2011



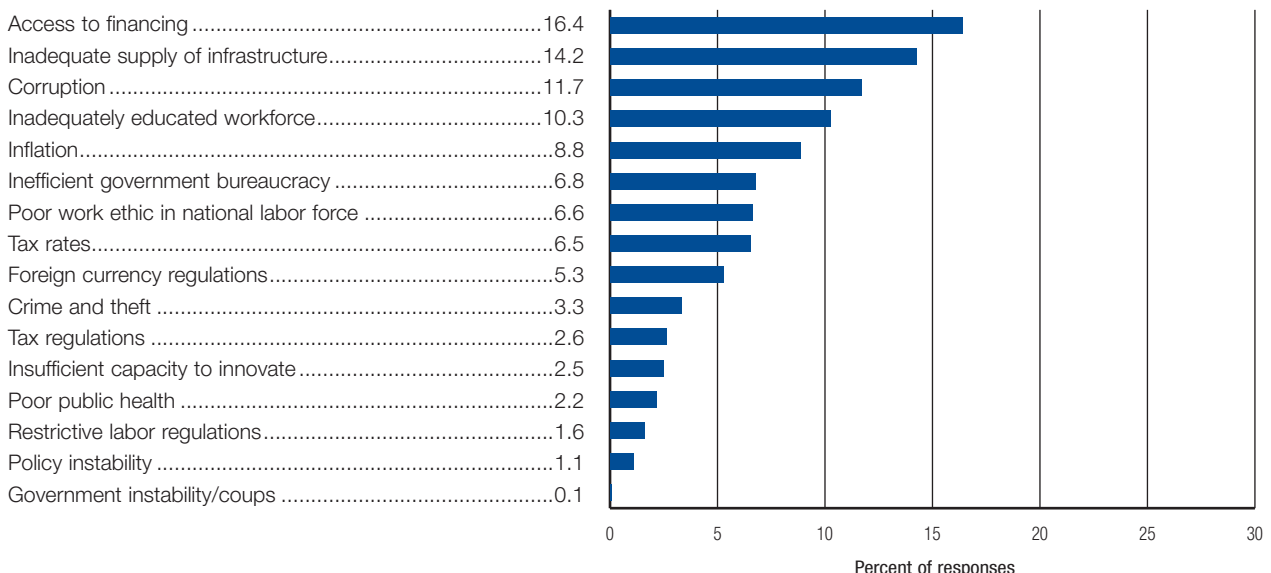
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 143 | 2.8 |
| GCI 2011–2012 (out of 142)..... | n/a | n/a |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (60.0%) | 144 | 2.8 |
| Institutions..... | 95 | 3.6 |
| Infrastructure..... | 138 | 2.1 |
| Macroeconomic environment..... | 143 | 2.5 |
| Health and primary education..... | 143 | 3.0 |
| Efficiency enhancers (35.0%) | 140 | 2.9 |
| Higher education and training..... | 141 | 2.3 |
| Goods market efficiency..... | 116 | 3.8 |
| Labor market efficiency..... | 114 | 3.9 |
| Financial market development..... | 125 | 3.3 |
| Technological readiness..... | 141 | 2.5 |
| Market size..... | 138 | 1.8 |
| Innovation and sophistication factors (5.0%) | 138 | 2.7 |
| Business sophistication..... | 136 | 3.1 |
| Innovation..... | 139 | 2.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Sierra Leone

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 111 | 6.01 | Intensity of local competition | 3.7 | 136 |
| 1.02 | Intellectual property protection | 3.1 | 102 | 6.02 | Extent of market dominance | 3.0 | 131 |
| 1.03 | Diversion of public funds | 2.8 | 96 | 6.03 | Effectiveness of anti-monopoly policy | 3.5 | 104 |
| 1.04 | Public trust in politicians | 2.6 | 74 | 6.04 | Extent and effect of taxation | 3.8 | 48 |
| 1.05 | Irregular payments and bribes | 3.1 | 117 | 6.05 | Total tax rate, % profits* | 32.1 | 43 |
| 1.06 | Judicial independence | 2.8 | 107 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 94 | 6.07 | No. days to start a business* | 12 | 53 |
| 1.08 | Wastefulness of government spending | 3.3 | 65 | 6.08 | Agricultural policy costs | 4.0 | 57 |
| 1.09 | Burden of government regulation | 3.9 | 35 | 6.09 | Prevalence of trade barriers | 4.3 | 70 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 64 | 6.10 | Trade tariffs, % duty* | n/a | n/a |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 110 | 6.11 | Prevalence of foreign ownership | 5.0 | 52 |
| 1.12 | Transparency of government policymaking | 3.8 | 114 | 6.12 | Business impact of rules on FDI | 4.5 | 80 |
| 1.13 | Gov't services for improved business performance | 3.3 | 92 | 6.13 | Burden of customs procedures | 3.0 | 133 |
| 1.14 | Business costs of terrorism | 6.0 | 44 | 6.14 | Imports as a percentage of GDP* | 47.4 | 65 |
| 1.15 | Business costs of crime and violence | 4.6 | 83 | 6.15 | Degree of customer orientation | 3.9 | 121 |
| 1.16 | Organized crime | 5.1 | 79 | 6.16 | Buyer sophistication | 2.3 | 134 |
| 1.17 | Reliability of police services | 3.6 | 104 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 92 | 7.01 | Cooperation in labor-employer relations | 4.4 | 59 |
| 1.19 | Strength of auditing and reporting standards | 3.7 | 126 | 7.02 | Flexibility of wage determination | 4.8 | 89 |
| 1.20 | Efficacy of corporate boards | 4.0 | 112 | 7.03 | Hiring and firing practices | 4.7 | 25 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 112 | 7.04 | Redundancy costs, weeks of salary* | 43 | 134 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.3 | 121 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 83 | |
| 2.01 | Quality of overall infrastructure | 2.9 | 127 | 7.07 | Brain drain | 2.3 | 130 |
| 2.02 | Quality of roads | 2.8 | 116 | 7.08 | Women in labor force, ratio to men* | 0.97 | 6 |
| 2.03 | Quality of railroad infrastructure | 1.3 | 114 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.3 | 118 | 8.01 | Availability of financial services | 3.3 | 134 |
| 2.05 | Quality of air transport infrastructure | 2.7 | 140 | 8.02 | Affordability of financial services | 3.1 | 135 |
| 2.06 | Available airline seat kms/week, millions* | 6.7 | 137 | 8.03 | Financing through local equity market | 2.1 | 137 |
| 2.07 | Quality of electricity supply | 2.6 | 121 | 8.04 | Ease of access to loans | 2.0 | 129 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 35.6 | 139 | 8.05 | Venture capital availability | 1.6 | 141 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.2 | 142 | 8.06 | Soundness of banks | 4.6 | 101 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.0 | 128 | |
| 3.01 | Government budget balance, % GDP* | -5.7 | 120 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 0.7 | 139 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 18.5 | 140 | 9.01 | Availability of latest technologies | 3.5 | 140 |
| 3.04 | General government debt, % GDP* | 60.0 | 106 | 9.02 | Firm-level technology absorption | 3.9 | 131 |
| 3.05 | Country credit rating, 0-100 (best)* | 16.6 | 136 | 9.03 | FDI and technology transfer | 4.3 | 89 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 0.3 | 144 | |
| 4.01 | Business impact of malaria | 2.0 | 144 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 143 |
| 4.02 | Malaria cases/100,000 pop.* | 32,096.4 | 139 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.1 | 144 |
| 4.03 | Business impact of tuberculosis | 4.1 | 124 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.3 | 122 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 682.0 | 142 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.3 | 116 | 10.01 | Domestic market size index, 1-7 (best)* | 1.7 | 139 |
| 4.06 | HIV prevalence, % adult pop.* | 1.6 | 119 | 10.02 | Foreign market size index, 1-7 (best)* | 2.1 | 139 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 113.7 | 144 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 47.4 | 143 | 11.01 | Local supplier quantity | 4.2 | 107 |
| 4.09 | Quality of primary education | 2.9 | 116 | 11.02 | Local supplier quality | 3.8 | 116 |
| 4.10 | Primary education enrollment, net %* | n/a | n/a | 11.03 | State of cluster development | 3.0 | 117 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.0 | 105 | |
| 5.01 | Secondary education enrollment, gross %* | 27.6 | 136 | 11.05 | Value chain breadth | 2.5 | 138 |
| 5.02 | Tertiary education enrollment, gross %* | 2.1 | 138 | 11.06 | Control of international distribution | 3.0 | 136 |
| 5.03 | Quality of the educational system | 2.8 | 125 | 11.07 | Production process sophistication | 2.3 | 140 |
| 5.04 | Quality of math and science education | 2.5 | 134 | 11.08 | Extent of marketing | 2.5 | 139 |
| 5.05 | Quality of management schools | 3.2 | 126 | 11.09 | Willingness to delegate authority | 3.1 | 121 |
| 5.06 | Internet access in schools | 1.9 | 136 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.8 | 134 | 12.01 | Capacity for innovation | 2.3 | 136 |
| 5.08 | Extent of staff training | 3.1 | 125 | 12.02 | Quality of scientific research institutions | 2.1 | 139 |
| | | | | 12.03 | Company spending on R&D | 1.9 | 142 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.3 | 137 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 103 |
| | | | | 12.06 | Availability of scientists and engineers | 2.6 | 141 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 105 |

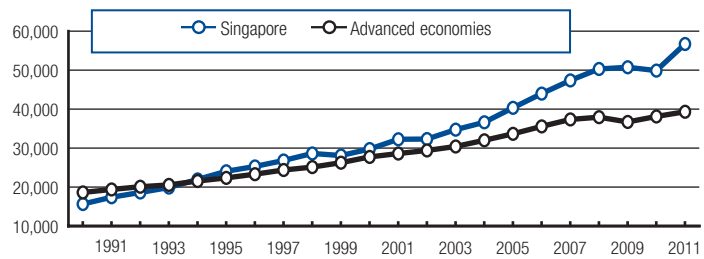
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Singapore

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 5.3 |
| GDP (US\$ billions)..... | 259.8 |
| GDP per capita (US\$)..... | 49,271 |
| GDP (PPP) as share (%) of world total..... | 0.40 |

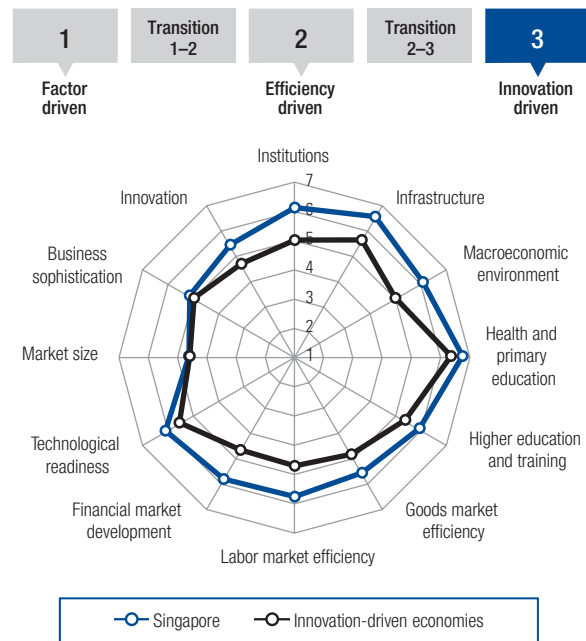
GDP (PPP) per capita (int'l \$), 1990–2011



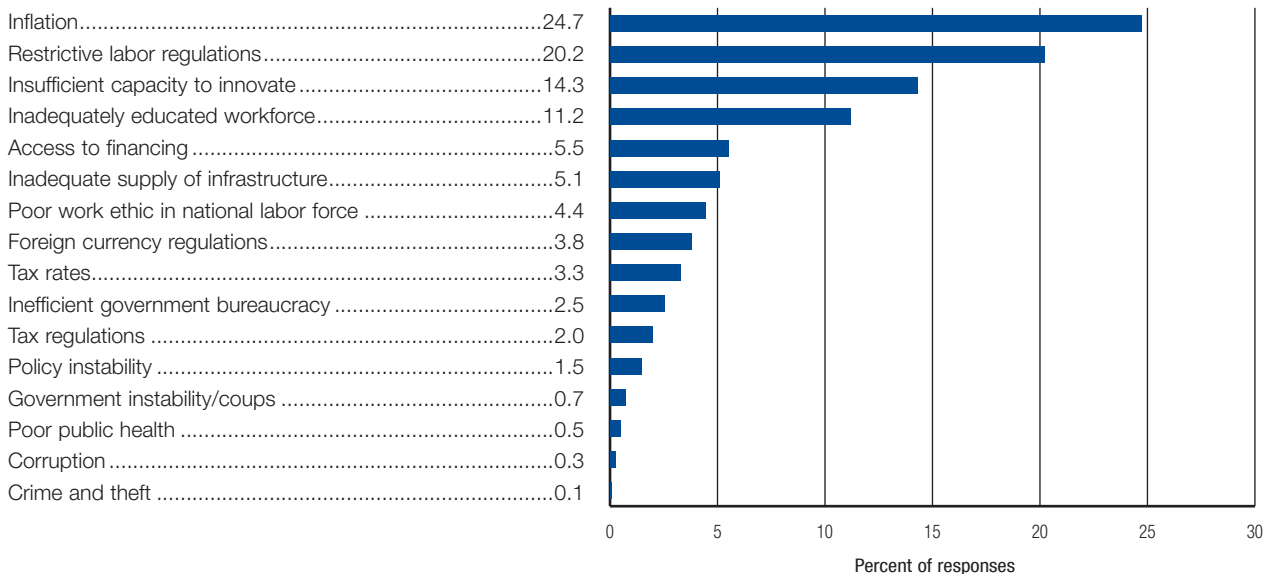
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 2 | 5.7 |
| GCI 2011–2012 (out of 142)..... | 2 | 5.6 |
| GCI 2010–2011 (out of 139)..... | 3 | 5.5 |
| Basic requirements (20.0%) | 1 | 6.3 |
| Institutions..... | 1 | 6.1 |
| Infrastructure..... | 2 | 6.5 |
| Macroeconomic environment..... | 17 | 6.1 |
| Health and primary education..... | 3 | 6.7 |
| Efficiency enhancers (50.0%) | 1 | 5.6 |
| Higher education and training..... | 2 | 5.9 |
| Goods market efficiency..... | 1 | 5.6 |
| Labor market efficiency..... | 2 | 5.8 |
| Financial market development..... | 2 | 5.9 |
| Technological readiness..... | 5 | 6.1 |
| Market size..... | 37 | 4.6 |
| Innovation and sophistication factors (30.0%) | 11 | 5.3 |
| Business sophistication..... | 14 | 5.1 |
| Innovation..... | 8 | 5.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Singapore

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.4 | 3 | 6.01 | Intensity of local competition | 5.5 | 21 |
| 1.02 | Intellectual property protection | 6.1 | 2 | 6.02 | Extent of market dominance | 5.1 | 11 |
| 1.03 | Diversion of public funds | 6.2 | 4 | 6.03 | Effectiveness of anti-monopoly policy | 5.4 | 5 |
| 1.04 | Public trust in politicians | 6.3 | 1 | 6.04 | Extent and effect of taxation | 5.5 | 7 |
| 1.05 | Irregular payments and bribes | 6.6 | 3 | 6.05 | Total tax rate, % profits* | 27.1 | 25 |
| 1.06 | Judicial independence | 5.7 | 20 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 5.3 | 2 | 6.07 | No. days to start a business* | 3 | 4 |
| 1.08 | Wastefulness of government spending | 6.0 | 1 | 6.08 | Agricultural policy costs | 5.2 | 3 |
| 1.09 | Burden of government regulation | 5.6 | 1 | 6.09 | Prevalence of trade barriers | 5.9 | 3 |
| 1.10 | Efficiency of legal framework in settling disputes | 6.2 | 1 | 6.10 | Trade tariffs, % duty* | 0.0 | 2 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.5 | 6 | 6.11 | Prevalence of foreign ownership | 6.1 | 3 |
| 1.12 | Transparency of government policymaking | 6.2 | 1 | 6.12 | Business impact of rules on FDI | 6.3 | 2 |
| 1.13 | Gov't services for improved business performance | 5.9 | 2 | 6.13 | Burden of customs procedures | 6.2 | 1 |
| 1.14 | Business costs of terrorism | 5.5 | 76 | 6.14 | Imports as a percentage of GDP* | 183.3 | 2 |
| 1.15 | Business costs of crime and violence | 6.1 | 9 | 6.15 | Degree of customer orientation | 5.5 | 12 |
| 1.16 | Organized crime | 6.7 | 5 | 6.16 | Buyer sophistication | 4.6 | 8 |
| 1.17 | Reliability of police services | 6.4 | 3 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.4 | 3 | 7.01 | Cooperation in labor-employer relations | 6.0 | 2 |
| 1.19 | Strength of auditing and reporting standards | 6.1 | 5 | 7.02 | Flexibility of wage determination | 6.0 | 4 |
| 1.20 | Efficacy of corporate boards | 5.6 | 3 | 7.03 | Hiring and firing practices | 5.7 | 2 |
| 1.21 | Protection of minority shareholders' interests | 5.5 | 8 | 7.04 | Redundancy costs, weeks of salary* | 3 | 6 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 9.3 | 2 | 7.05 | Pay and productivity | 5.4 | 2 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.9 | 11 | |
| 2.01 | Quality of overall infrastructure | 6.5 | 2 | 7.07 | Brain drain | 5.7 | 2 |
| 2.02 | Quality of roads | 6.5 | 3 | 7.08 | Women in labor force, ratio to men* | 0.76 | 81 |
| 2.03 | Quality of railroad infrastructure | 5.7 | 5 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 6.8 | 2 | 8.01 | Availability of financial services | 6.1 | 9 |
| 2.05 | Quality of air transport infrastructure | 6.8 | 1 | 8.02 | Affordability of financial services | 5.8 | 5 |
| 2.06 | Available airline seat kms/week, millions* | 2,295.9 | 16 | 8.03 | Financing through local equity market | 5.1 | 6 |
| 2.07 | Quality of electricity supply | 6.7 | 6 | 8.04 | Ease of access to loans | 4.7 | 3 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 149.5 | 14 | 8.05 | Venture capital availability | 4.4 | 4 |
| 2.09 | Fixed telephone lines/100 pop.* | 38.9 | 30 | 8.06 | Soundness of banks | 6.5 | 8 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 6.0 | 3 | |
| 3.01 | Government budget balance, % GDP* | 7.3 | 10 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 44.4 | 9 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.2 | 79 | 9.01 | Availability of latest technologies | 6.3 | 12 |
| 3.04 | General government debt, % GDP* | 100.8 | 135 | 9.02 | Firm-level technology absorption | 6.0 | 8 |
| 3.05 | Country credit rating, 0-100 (best)* | 92.4 | 6 | 9.03 | FDI and technology transfer | 5.8 | 4 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 75.0 | 24 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 25.5 | 22 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 547.1 | 2 |
| 4.03 | Business impact of tuberculosis | 5.7 | 54 | 9.07 | Mobile broadband subscriptions/100 pop.* | 110.9 | 1 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 35.0 | 61 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.5 | 57 | 10.01 | Domestic market size index, 1-7 (best)* | 4.1 | 48 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 6.0 | 12 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.1 | 3 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.6 | 6 | 11.01 | Local supplier quantity | 5.0 | 44 |
| 4.09 | Quality of primary education | 6.1 | 4 | 11.02 | Local supplier quality | 5.1 | 30 |
| 4.10 | Primary education enrollment, net %* | 100.0 | 1 | 11.03 | State of cluster development | 5.2 | 3 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.6 | 14 | |
| 5.01 | Secondary education enrollment, gross %* | 107.0 | 15 | 11.05 | Value chain breadth | 5.2 | 10 |
| 5.02 | Tertiary education enrollment, gross %* | 72.0 | 19 | 11.06 | Control of international distribution | 4.3 | 42 |
| 5.03 | Quality of the educational system | 5.8 | 3 | 11.07 | Production process sophistication | 5.5 | 18 |
| 5.04 | Quality of math and science education | 6.3 | 1 | 11.08 | Extent of marketing | 5.3 | 22 |
| 5.05 | Quality of management schools | 5.7 | 6 | 11.09 | Willingness to delegate authority | 4.6 | 21 |
| 5.06 | Internet access in schools | 6.3 | 5 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.4 | 16 | 12.01 | Capacity for innovation | 4.4 | 20 |
| 5.08 | Extent of staff training | 5.3 | 3 | 12.02 | Quality of scientific research institutions | 5.6 | 12 |
| | | | | 12.03 | Company spending on R&D | 5.1 | 8 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.6 | 5 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 5.3 | 2 |
| | | | | 12.06 | Availability of scientists and engineers | 5.1 | 13 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 123.2 | 13 |

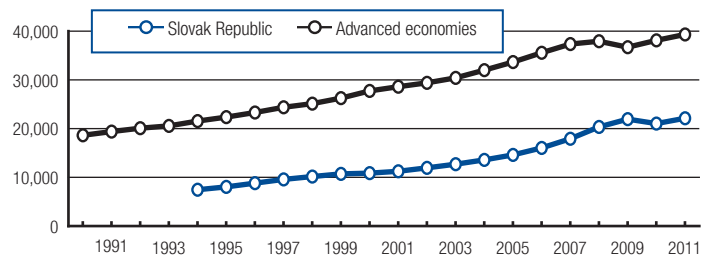
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Slovak Republic

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 5.6 |
| GDP (US\$ billions)..... | 96.1 |
| GDP per capita (US\$)..... | 17,644 |
| GDP (PPP) as share (%) of world total..... | 0.16 |

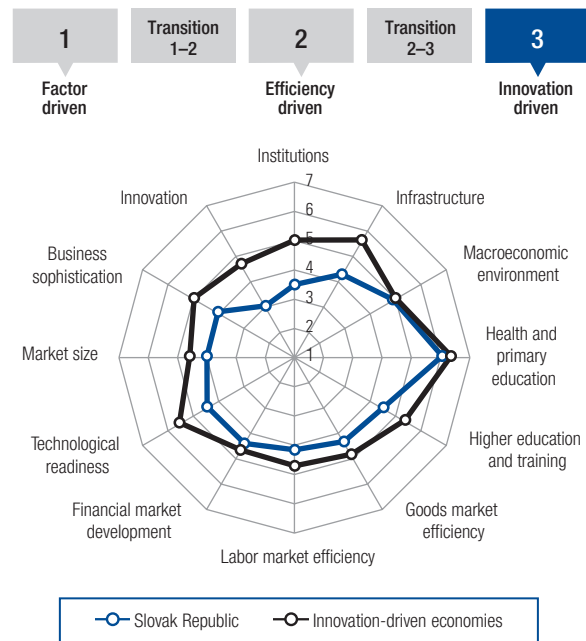
GDP (PPP) per capita (int'l \$), 1990–2011



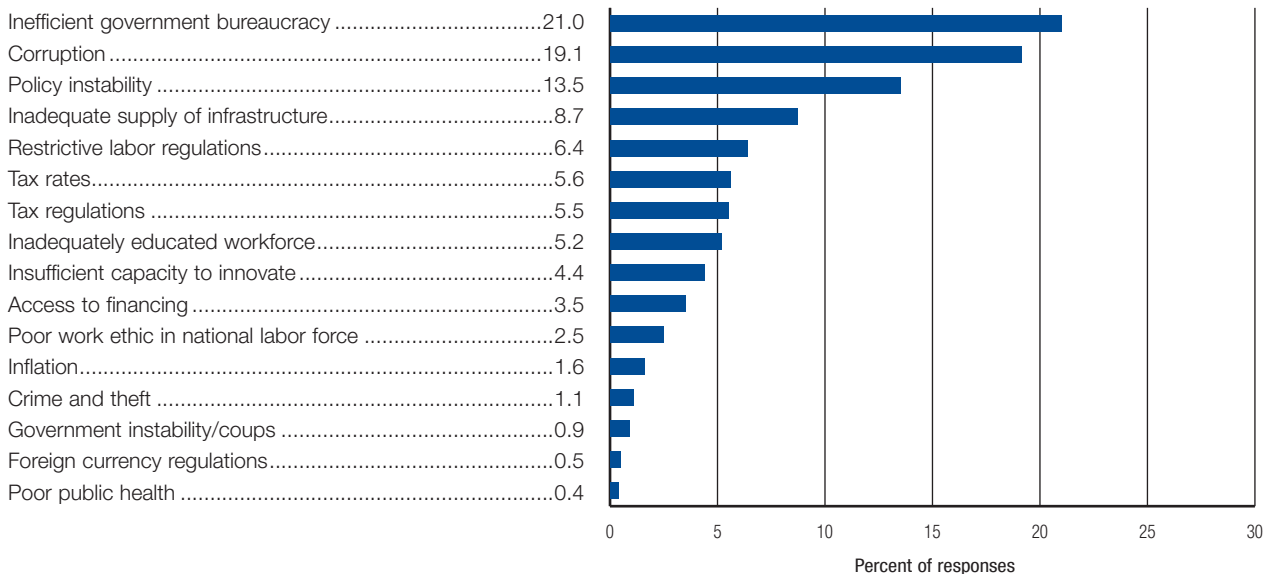
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 71 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 69 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 60 | 4.2 |
| Basic requirements (20.0%) | 62 | 4.6 |
| Institutions..... | 104 | 3.4 |
| Infrastructure..... | 56 | 4.2 |
| Macroeconomic environment..... | 54 | 4.9 |
| Health and primary education..... | 42 | 6.0 |
| Efficiency enhancers (50.0%) | 51 | 4.3 |
| Higher education and training..... | 54 | 4.5 |
| Goods market efficiency..... | 54 | 4.4 |
| Labor market efficiency..... | 86 | 4.2 |
| Financial market development..... | 48 | 4.4 |
| Technological readiness..... | 45 | 4.5 |
| Market size..... | 59 | 4.0 |
| Innovation and sophistication factors (30.0%) | 74 | 3.5 |
| Business sophistication..... | 61 | 4.0 |
| Innovation..... | 89 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Slovak Republic

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 75 | 6.01 | Intensity of local competition | 5.5 | 27 |
| 1.02 | Intellectual property protection | 3.8 | 58 | 6.02 | Extent of market dominance | 3.7 | 74 |
| 1.03 | Diversion of public funds | 2.5 | 120 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 66 |
| 1.04 | Public trust in politicians | 1.7 | 136 | 6.04 | Extent and effect of taxation | 3.5 | 66 |
| 1.05 | Irregular payments and bribes | 3.6 | 92 | 6.05 | Total tax rate, % profits* | 48.8 | 107 |
| 1.06 | Judicial independence | 2.7 | 115 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.1 | 138 | 6.07 | No. days to start a business* | 18 | 76 |
| 1.08 | Wastefulness of government spending | 2.6 | 112 | 6.08 | Agricultural policy costs | 3.3 | 120 |
| 1.09 | Burden of government regulation | 2.6 | 132 | 6.09 | Prevalence of trade barriers | 4.9 | 24 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.4 | 140 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.4 | 140 | 6.11 | Prevalence of foreign ownership | 6.1 | 2 |
| 1.12 | Transparency of government policymaking | 4.2 | 78 | 6.12 | Business impact of rules on FDI | 5.5 | 8 |
| 1.13 | Gov't services for improved business performance | 2.6 | 130 | 6.13 | Burden of customs procedures | 4.3 | 58 |
| 1.14 | Business costs of terrorism | 6.2 | 24 | 6.14 | Imports as a percentage of GDP* | 87.5 | 15 |
| 1.15 | Business costs of crime and violence | 4.9 | 68 | 6.15 | Degree of customer orientation | 4.6 | 74 |
| 1.16 | Organized crime | 4.6 | 101 | 6.16 | Buyer sophistication | 2.6 | 125 |
| 1.17 | Reliability of police services | 3.9 | 86 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.4 | 116 | 7.01 | Cooperation in labor-employer relations | 3.9 | 107 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 88 | 7.02 | Flexibility of wage determination | 5.1 | 66 |
| 1.20 | Efficacy of corporate boards | 4.5 | 71 | 7.03 | Hiring and firing practices | 3.5 | 101 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 103 | 7.04 | Redundancy costs, weeks of salary* | 23 | 104 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 4.8 | 14 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 70 | |
| 2.01 | Quality of overall infrastructure | 4.3 | 70 | 7.07 | Brain drain | 2.5 | 122 |
| 2.02 | Quality of roads | 3.7 | 78 | 7.08 | Women in labor force, ratio to men* | 0.81 | 68 |
| 2.03 | Quality of railroad infrastructure | 4.5 | 25 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 82 | 8.01 | Availability of financial services | 5.1 | 42 |
| 2.05 | Quality of air transport infrastructure | 3.4 | 124 | 8.02 | Affordability of financial services | 4.1 | 67 |
| 2.06 | Available airline seat kms/week, millions* | 16.5 | 124 | 8.03 | Financing through local equity market | 2.6 | 117 |
| 2.07 | Quality of electricity supply | 6.3 | 25 | 8.04 | Ease of access to loans | 3.0 | 58 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 109.3 | 60 | 8.05 | Venture capital availability | 2.8 | 60 |
| 2.09 | Fixed telephone lines/100 pop.* | 19.3 | 69 | 8.06 | Soundness of banks | 5.8 | 32 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.9 | 87 | |
| 3.01 | Government budget balance, % GDP* | -5.5 | 116 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 21.9 | 61 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.1 | 60 | 9.01 | Availability of latest technologies | 5.2 | 59 |
| 3.04 | General government debt, % GDP* | 44.6 | 85 | 9.02 | Firm-level technology absorption | 4.9 | 59 |
| 3.05 | Country credit rating, 0-100 (best)* | 74.1 | 30 | 9.03 | FDI and technology transfer | 5.5 | 9 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 74.4 | 26 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 13.6 | 44 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 12.3 | 76 |
| 4.03 | Business impact of tuberculosis | 6.2 | 30 | 9.07 | Mobile broadband subscriptions/100 pop.* | 31.9 | 35 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 8.0 | 24 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 26 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 61 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 41 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 6.7 | 42 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 75.1 | 50 | 11.01 | Local supplier quantity | 4.8 | 68 |
| 4.09 | Quality of primary education | 4.1 | 58 | 11.02 | Local supplier quality | 4.9 | 40 |
| 4.10 | Primary education enrollment, net %* | 97.4 | 36 | 11.03 | State of cluster development | 3.8 | 67 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 115 | |
| 5.01 | Secondary education enrollment, gross %* | 90.4 | 64 | 11.05 | Value chain breadth | 3.8 | 58 |
| 5.02 | Tertiary education enrollment, gross %* | 54.8 | 42 | 11.06 | Control of international distribution | 3.3 | 126 |
| 5.03 | Quality of the educational system | 2.8 | 120 | 11.07 | Production process sophistication | 4.5 | 34 |
| 5.04 | Quality of math and science education | 3.8 | 83 | 11.08 | Extent of marketing | 4.6 | 38 |
| 5.05 | Quality of management schools | 3.6 | 111 | 11.09 | Willingness to delegate authority | 3.6 | 80 |
| 5.06 | Internet access in schools | 5.5 | 29 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.6 | 40 | 12.01 | Capacity for innovation | 2.9 | 88 |
| 5.08 | Extent of staff training | 3.7 | 95 | 12.02 | Quality of scientific research institutions | 3.4 | 90 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 85 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 100 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.8 | 127 |
| | | | | 12.06 | Availability of scientists and engineers | 3.9 | 79 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 6.1 | 40 |

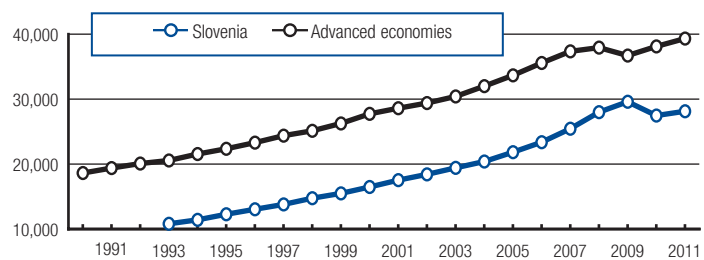
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Slovenia

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 2.1 |
| GDP (US\$ billions)..... | 49.6 |
| GDP per capita (US\$)..... | 24,533 |
| GDP (PPP) as share (%) of world total..... | 0.07 |

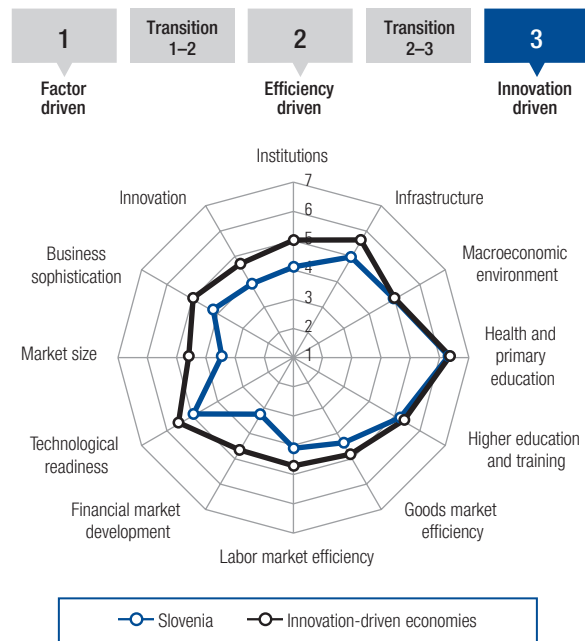
GDP (PPP) per capita (int'l \$), 1990–2011



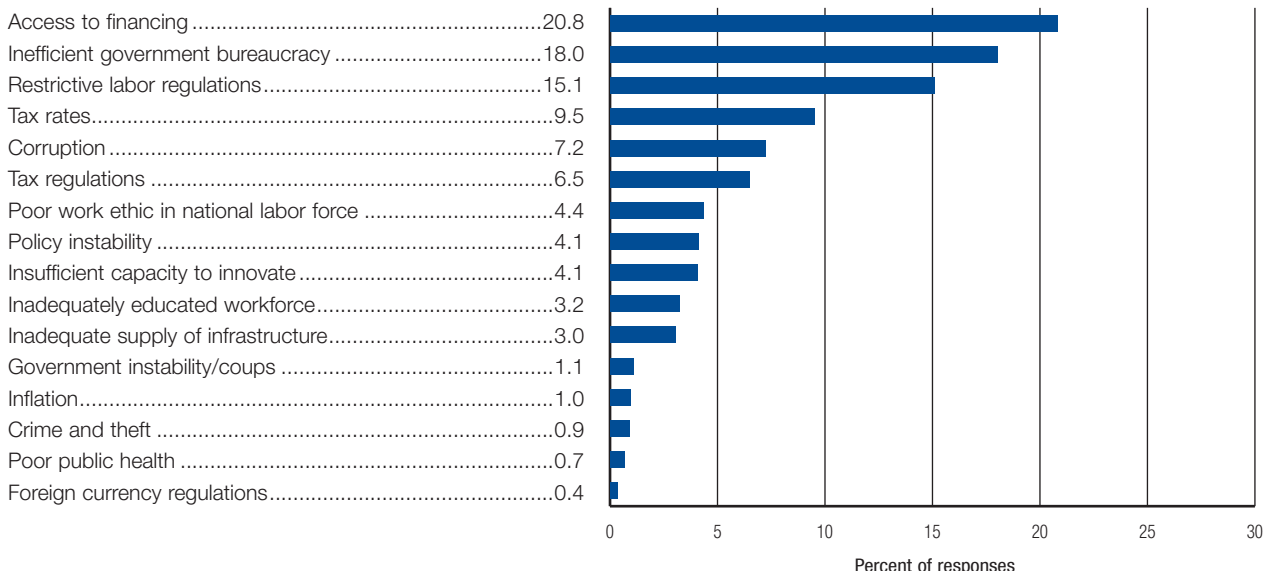
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 56 | 4.3 |
| GCI 2011–2012 (out of 142)..... | 57 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 45 | 4.4 |
| Basic requirements (20.0%) | 39 | 5.0 |
| Institutions..... | 58 | 4.0 |
| Infrastructure..... | 35 | 4.9 |
| Macroeconomic environment..... | 50 | 4.9 |
| Health and primary education..... | 24 | 6.3 |
| Efficiency enhancers (50.0%) | 55 | 4.2 |
| Higher education and training..... | 23 | 5.2 |
| Goods market efficiency..... | 49 | 4.4 |
| Labor market efficiency..... | 91 | 4.2 |
| Financial market development..... | 128 | 3.3 |
| Technological readiness..... | 34 | 5.0 |
| Market size..... | 78 | 3.5 |
| Innovation and sophistication factors (30.0%) | 36 | 4.0 |
| Business sophistication..... | 53 | 4.2 |
| Innovation..... | 32 | 3.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.4 | 60 | 6.01 | Intensity of local competition | 5.2 | 41 |
| 1.02 | Intellectual property protection | 4.3 | 41 | 6.02 | Extent of market dominance | 3.7 | 71 |
| 1.03 | Diversion of public funds | 3.4 | 61 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 64 |
| 1.04 | Public trust in politicians | 2.1 | 116 | 6.04 | Extent and effect of taxation | 2.8 | 130 |
| 1.05 | Irregular payments and bribes | 4.9 | 39 | 6.05 | Total tax rate, % profits* | 34.7 | 55 |
| 1.06 | Judicial independence | 3.8 | 70 | 6.06 | No. procedures to start a business* | 2 | 3 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 104 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 2.4 | 118 | 6.08 | Agricultural policy costs | 3.6 | 95 |
| 1.09 | Burden of government regulation | 2.7 | 124 | 6.09 | Prevalence of trade barriers | 4.8 | 30 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.7 | 126 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9 | 116 | 6.11 | Prevalence of foreign ownership | 3.4 | 132 |
| 1.12 | Transparency of government policymaking | 4.7 | 38 | 6.12 | Business impact of rules on FDI | 3.2 | 135 |
| 1.13 | Gov't services for improved business performance | 3.1 | 102 | 6.13 | Burden of customs procedures | 4.9 | 27 |
| 1.14 | Business costs of terrorism | 6.7 | 1 | 6.14 | Imports as a percentage of GDP* | 80.7 | 26 |
| 1.15 | Business costs of crime and violence | 6.0 | 12 | 6.15 | Degree of customer orientation | 4.8 | 52 |
| 1.16 | Organized crime | 5.8 | 47 | 6.16 | Buyer sophistication | 3.0 | 108 |
| 1.17 | Reliability of police services | 4.7 | 50 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.2 | 52 | 7.01 | Cooperation in labor-employer relations | 3.9 | 114 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 64 | 7.02 | Flexibility of wage determination | 4.0 | 124 |
| 1.20 | Efficacy of corporate boards | 4.0 | 122 | 7.03 | Hiring and firing practices | 2.3 | 142 |
| 1.21 | Protection of minority shareholders' interests | 3.4 | 126 | 7.04 | Redundancy costs, weeks of salary* | 11 | 47 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.7 | 24 | 7.05 | Pay and productivity | 3.5 | 104 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.0 | 86 | |
| 2.01 | Quality of overall infrastructure | 5.4 | 30 | 7.07 | Brain drain | 3.3 | 83 |
| 2.02 | Quality of roads | 5.0 | 38 | 7.08 | Women in labor force, ratio to men* | 0.89 | 29 |
| 2.03 | Quality of railroad infrastructure | 3.1 | 54 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 33 | 8.01 | Availability of financial services | 4.1 | 92 |
| 2.05 | Quality of air transport infrastructure | 4.5 | 72 | 8.02 | Affordability of financial services | 3.8 | 95 |
| 2.06 | Available airline seat kms/week, millions* | 12.6 | 129 | 8.03 | Financing through local equity market | 2.7 | 112 |
| 2.07 | Quality of electricity supply | 6.2 | 29 | 8.04 | Ease of access to loans | 2.2 | 118 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 106.6 | 69 | 8.05 | Venture capital availability | 2.1 | 113 |
| 2.09 | Fixed telephone lines/100 pop.* | 42.9 | 23 | 8.06 | Soundness of banks | 3.4 | 137 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 73 | |
| 3.01 | Government budget balance, % GDP* | -5.7 | 119 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 21.3 | 66 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.8 | 1 | 9.01 | Availability of latest technologies | 5.6 | 41 |
| 3.04 | General government debt, % GDP* | 47.3 | 91 | 9.02 | Firm-level technology absorption | 4.7 | 78 |
| 3.05 | Country credit rating, 0-100 (best)* | 78.4 | 25 | 9.03 | FDI and technology transfer | 4.0 | 113 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 72.0 | 29 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 24.8 | 23 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 68.2 | 24 |
| 4.03 | Business impact of tuberculosis | 6.4 | 23 | 9.07 | Mobile broadband subscriptions/100 pop.* | 29.3 | 38 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 11.0 | 29 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.2 | 18 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1 | 82 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.4 | 66 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.3 | 5 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.4 | 26 | 11.01 | Local supplier quantity | 4.7 | 71 |
| 4.09 | Quality of primary education | 4.8 | 28 | 11.02 | Local supplier quality | 5.1 | 33 |
| 4.10 | Primary education enrollment, net %* | 96.8 | 43 | 11.03 | State of cluster development | 3.6 | 78 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.1 | 35 | |
| 5.01 | Secondary education enrollment, gross %* | 97.1 | 44 | 11.05 | Value chain breadth | 3.8 | 55 |
| 5.02 | Tertiary education enrollment, gross %* | 86.9 | 5 | 11.06 | Control of international distribution | 4.3 | 47 |
| 5.03 | Quality of the educational system | 3.8 | 63 | 11.07 | Production process sophistication | 4.0 | 49 |
| 5.04 | Quality of math and science education | 5.1 | 18 | 11.08 | Extent of marketing | 4.1 | 66 |
| 5.05 | Quality of management schools | 4.3 | 66 | 11.09 | Willingness to delegate authority | 4.0 | 47 |
| 5.06 | Internet access in schools | 5.8 | 20 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 50 | 12.01 | Capacity for innovation | 3.9 | 31 |
| 5.08 | Extent of staff training | 3.7 | 91 | 12.02 | Quality of scientific research institutions | 4.8 | 29 |
| | | | | 12.03 | Company spending on R&D | 3.4 | 47 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.9 | 49 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 106 |
| | | | | 12.06 | Availability of scientists and engineers | 3.8 | 84 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 66.0 | 23 |

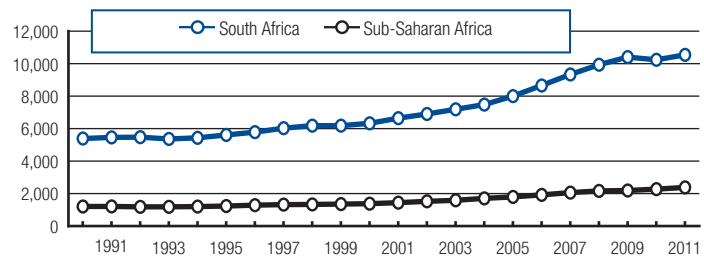
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

South Africa

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 50.8 |
| GDP (US\$ billions)..... | 408.1 |
| GDP per capita (US\$)..... | 8,066 |
| GDP (PPP) as share (%) of world total..... | 0.70 |

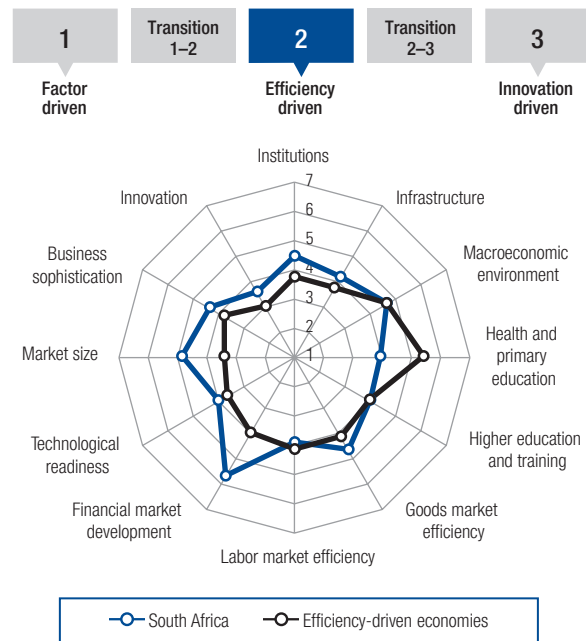
GDP (PPP) per capita (int'l \$), 1990–2011



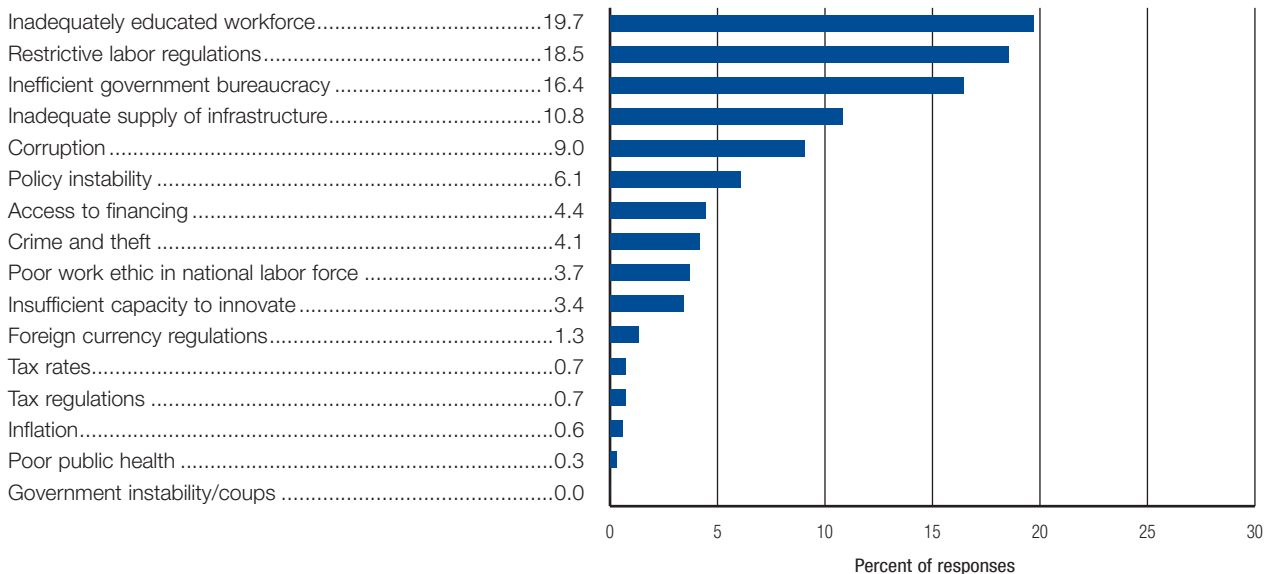
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 52 | 4.4 |
| GCI 2011–2012 (out of 142)..... | 50 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 54 | 4.3 |
| Basic requirements (40.0%) | 84 | 4.3 |
| Institutions..... | 43 | 4.4 |
| Infrastructure..... | 63 | 4.1 |
| Macroeconomic environment..... | 69 | 4.6 |
| Health and primary education..... | 132 | 3.9 |
| Efficiency enhancers (50.0%) | 37 | 4.5 |
| Higher education and training..... | 84 | 4.0 |
| Goods market efficiency..... | 32 | 4.7 |
| Labor market efficiency..... | 113 | 3.9 |
| Financial market development..... | 3 | 5.7 |
| Technological readiness..... | 62 | 4.0 |
| Market size..... | 25 | 4.8 |
| Innovation and sophistication factors (10.0%) | 42 | 3.9 |
| Business sophistication..... | 38 | 4.3 |
| Innovation..... | 42 | 3.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

South Africa

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.4 | 26 | 6.01 | Intensity of local competition | 5.1 | 51 |
| 1.02 | Intellectual property protection | 5.3 | 20 | 6.02 | Extent of market dominance | 4.2 | 39 |
| 1.03 | Diversion of public funds | 3.0 | 84 | 6.03 | Effectiveness of anti-monopoly policy | 5.3 | 6 |
| 1.04 | Public trust in politicians | 2.4 | 88 | 6.04 | Extent and effect of taxation | 4.0 | 31 |
| 1.05 | Irregular payments and bribes | 4.6 | 47 | 6.05 | Total tax rate, % profits* | 33.1 | 48 |
| 1.06 | Judicial independence | 5.3 | 27 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 110 | 6.07 | No. days to start a business* | 19 | 80 |
| 1.08 | Wastefulness of government spending | 3.4 | 62 | 6.08 | Agricultural policy costs | 4.2 | 47 |
| 1.09 | Burden of government regulation | 2.7 | 123 | 6.09 | Prevalence of trade barriers | 4.7 | 39 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.0 | 17 | 6.10 | Trade tariffs, % duty* | 6.5 | 79 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.8 | 16 | 6.11 | Prevalence of foreign ownership | 5.3 | 31 |
| 1.12 | Transparency of government policymaking | 4.8 | 35 | 6.12 | Business impact of rules on FDI | 4.7 | 61 |
| 1.13 | Gov't services for improved business performance | 3.1 | 106 | 6.13 | Burden of customs procedures | 4.3 | 56 |
| 1.14 | Business costs of terrorism | 6.2 | 29 | 6.14 | Imports as a percentage of GDP* | 34.8 | 99 |
| 1.15 | Business costs of crime and violence | 2.9 | 134 | 6.15 | Degree of customer orientation | 4.7 | 61 |
| 1.16 | Organized crime | 4.3 | 111 | 6.16 | Buyer sophistication | 4.1 | 32 |
| 1.17 | Reliability of police services | 3.8 | 90 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.3 | 48 | 7.01 | Cooperation in labor-employer relations | 2.9 | 144 |
| 1.19 | Strength of auditing and reporting standards | 6.6 | 1 | 7.02 | Flexibility of wage determination | 2.8 | 140 |
| 1.20 | Efficacy of corporate boards | 5.8 | 1 | 7.03 | Hiring and firing practices | 2.2 | 143 |
| 1.21 | Protection of minority shareholders' interests | 6.0 | 2 | 7.04 | Redundancy costs, weeks of salary* | 9 | 33 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.0 | 10 | 7.05 | Pay and productivity | 2.9 | 134 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.6 | 13 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 58 | 7.07 | Brain drain | 3.8 | 47 |
| 2.02 | Quality of roads | 4.9 | 42 | 7.08 | Women in labor force, ratio to men* | 0.75 | 85 |
| 2.03 | Quality of railroad infrastructure | 3.4 | 46 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.7 | 52 | 8.01 | Availability of financial services | 6.4 | 2 |
| 2.05 | Quality of air transport infrastructure | 6.1 | 15 | 8.02 | Affordability of financial services | 5.2 | 22 |
| 2.06 | Available airline seat kms/week, millions* | 1,146.3 | 24 | 8.03 | Financing through local equity market | 5.4 | 3 |
| 2.07 | Quality of electricity supply | 3.9 | 94 | 8.04 | Ease of access to loans | 3.5 | 30 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 126.8 | 35 | 8.05 | Venture capital availability | 3.1 | 37 |
| 2.09 | Fixed telephone lines/100 pop.* | 8.2 | 99 | 8.06 | Soundness of banks | 6.7 | 2 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 6.5 | 1 | |
| 3.01 | Government budget balance, % GDP* | -4.6 | 105 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 16.5 | 87 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.0 | 76 | 9.01 | Availability of latest technologies | 5.7 | 39 |
| 3.04 | General government debt, % GDP* | 38.8 | 68 | 9.02 | Firm-level technology absorption | 5.4 | 38 |
| 3.05 | Country credit rating, 0-100 (best)* | 61.4 | 48 | 9.03 | FDI and technology transfer | 5.0 | 38 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 21.0 | 95 | |
| 4.01 | Business impact of malaria | 5.1 | 100 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.8 | 95 |
| 4.02 | Malaria cases/100,000 pop.* | 31.8 | 89 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 18.9 | 63 |
| 4.03 | Business impact of tuberculosis | 3.5 | 132 | 9.07 | Mobile broadband subscriptions/100 pop.* | 19.8 | 49 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 981.0 | 143 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.0 | 135 | 10.01 | Domestic market size index, 1-7 (best)* | 4.8 | 24 |
| 4.06 | HIV prevalence, % adult pop.* | 17.8 | 141 | 10.02 | Foreign market size index, 1-7 (best)* | 5.1 | 39 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 40.7 | 107 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 52.1 | 133 | 11.01 | Local supplier quantity | 5.0 | 43 |
| 4.09 | Quality of primary education | 2.3 | 132 | 11.02 | Local supplier quality | 5.1 | 34 |
| 4.10 | Primary education enrollment, net %* | 85.1 | 115 | 11.03 | State of cluster development | 4.0 | 47 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.0 | 107 | |
| 5.01 | Secondary education enrollment, gross %* | 93.8 | 53 | 11.05 | Value chain breadth | 3.2 | 106 |
| 5.02 | Tertiary education enrollment, gross %* | 15.4 | 101 | 11.06 | Control of international distribution | 4.5 | 26 |
| 5.03 | Quality of the educational system | 2.2 | 140 | 11.07 | Production process sophistication | 4.2 | 43 |
| 5.04 | Quality of math and science education | 2.0 | 143 | 11.08 | Extent of marketing | 5.1 | 29 |
| 5.05 | Quality of management schools | 5.3 | 15 | 11.09 | Willingness to delegate authority | 4.3 | 33 |
| 5.06 | Internet access in schools | 3.1 | 111 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.4 | 51 | 12.01 | Capacity for innovation | 3.5 | 41 |
| 5.08 | Extent of staff training | 4.6 | 26 | 12.02 | Quality of scientific research institutions | 4.6 | 34 |
| | | | | 12.03 | Company spending on R&D | 3.5 | 39 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.5 | 30 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.1 | 105 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 122 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 6.8 | 37 |

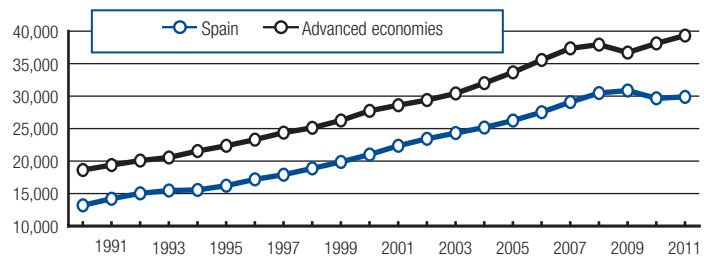
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Spain

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 48.8 |
| GDP (US\$ billions)..... | 1,493.5 |
| GDP per capita (US\$)..... | 32,360 |
| GDP (PPP) as share (%) of world total..... | 1.79 |

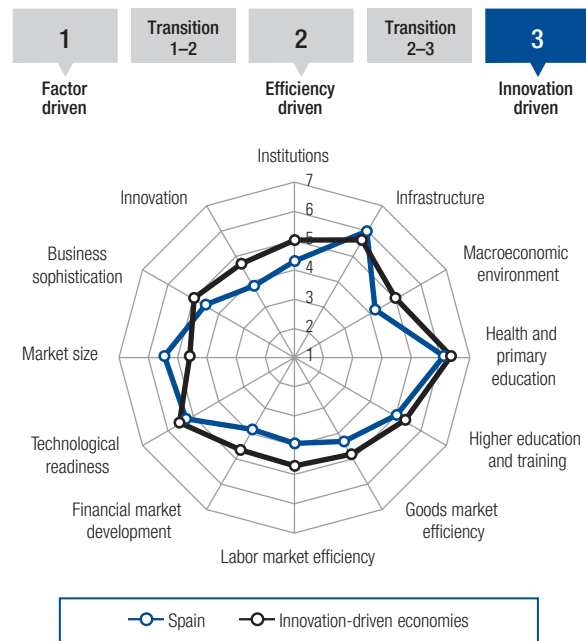
GDP (PPP) per capita (int'l \$), 1990–2011



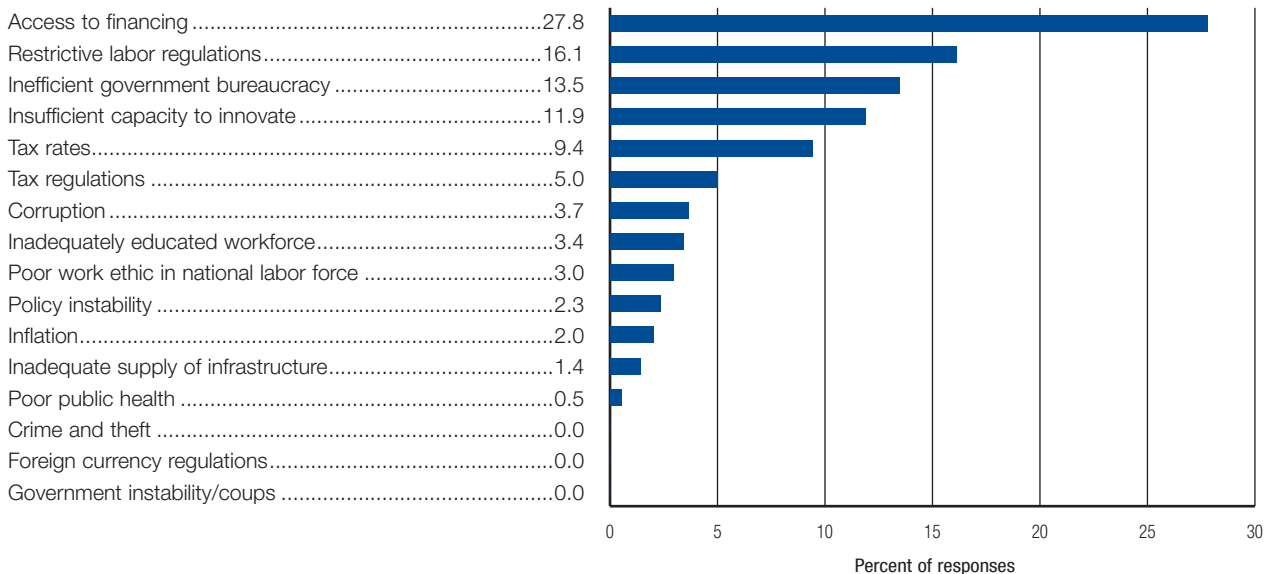
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 36 | 4.6 |
| GCI 2011–2012 (out of 142)..... | 36 | 4.5 |
| GCI 2010–2011 (out of 139)..... | 42 | 4.5 |
| Basic requirements (20.0%) | 36 | 5.1 |
| Institutions..... | 48 | 4.2 |
| Infrastructure..... | 10 | 5.9 |
| Macroeconomic environment..... | 104 | 4.2 |
| Health and primary education..... | 36 | 6.1 |
| Efficiency enhancers (50.0%) | 29 | 4.7 |
| Higher education and training..... | 29 | 5.0 |
| Goods market efficiency..... | 55 | 4.4 |
| Labor market efficiency..... | 108 | 4.0 |
| Financial market development..... | 82 | 3.9 |
| Technological readiness..... | 26 | 5.3 |
| Market size..... | 14 | 5.5 |
| Innovation and sophistication factors (30.0%) | 31 | 4.1 |
| Business sophistication..... | 32 | 4.5 |
| Innovation..... | 35 | 3.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.8 | 48 | 6.01 | Intensity of local competition | 5.5 | 23 |
| 1.02 | Intellectual property protection | 4.0 | 50 | 6.02 | Extent of market dominance | 4.5 | 29 |
| 1.03 | Diversion of public funds | 3.7 | 53 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 49 |
| 1.04 | Public trust in politicians | 2.6 | 79 | 6.04 | Extent and effect of taxation | 3.0 | 111 |
| 1.05 | Irregular payments and bribes | 4.8 | 40 | 6.05 | Total tax rate, % profits* | 38.7 | 72 |
| 1.06 | Judicial independence | 4.0 | 60 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 3.3 | 54 | 6.07 | No. days to start a business* | 28 | 97 |
| 1.08 | Wastefulness of government spending | 2.7 | 106 | 6.08 | Agricultural policy costs | 3.5 | 110 |
| 1.09 | Burden of government regulation | 2.8 | 120 | 6.09 | Prevalence of trade barriers | 4.9 | 23 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.7 | 69 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.8 | 62 | 6.11 | Prevalence of foreign ownership | 5.1 | 46 |
| 1.12 | Transparency of government policymaking | 4.2 | 77 | 6.12 | Business impact of rules on FDI | 4.4 | 89 |
| 1.13 | Gov't services for improved business performance | 3.4 | 85 | 6.13 | Burden of customs procedures | 4.6 | 41 |
| 1.14 | Business costs of terrorism | 5.3 | 92 | 6.14 | Imports as a percentage of GDP* | 30.4 | 118 |
| 1.15 | Business costs of crime and violence | 5.5 | 34 | 6.15 | Degree of customer orientation | 4.6 | 66 |
| 1.16 | Organized crime | 5.8 | 46 | 6.16 | Buyer sophistication | 3.7 | 51 |
| 1.17 | Reliability of police services | 6.0 | 16 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.5 | 40 | 7.01 | Cooperation in labor-employer relations | 3.8 | 117 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 68 | 7.02 | Flexibility of wage determination | 3.8 | 129 |
| 1.20 | Efficacy of corporate boards | 4.2 | 103 | 7.03 | Hiring and firing practices | 3.0 | 129 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 66 | 7.04 | Redundancy costs, weeks of salary* | 17 | 84 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 3.0 | 133 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.7 | 43 | |
| 2.01 | Quality of overall infrastructure | 5.8 | 18 | 7.07 | Brain drain | 3.3 | 82 |
| 2.02 | Quality of roads | 5.9 | 13 | 7.08 | Women in labor force, ratio to men* | 0.82 | 63 |
| 2.03 | Quality of railroad infrastructure | 5.7 | 8 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.8 | 14 | 8.01 | Availability of financial services | 5.4 | 28 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 17 | 8.02 | Affordability of financial services | 4.6 | 40 |
| 2.06 | Available airline seat kms/week, millions* | 3,660.0 | 9 | 8.03 | Financing through local equity market | 3.0 | 96 |
| 2.07 | Quality of electricity supply | 6.1 | 30 | 8.04 | Ease of access to loans | 2.1 | 122 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 114.2 | 55 | 8.05 | Venture capital availability | 2.5 | 75 |
| 2.09 | Fixed telephone lines/100 pop.* | 42.3 | 26 | 8.06 | Soundness of banks | 4.5 | 109 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.7 | 99 | |
| 3.01 | Government budget balance, % GDP* | -8.5 | 135 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | 18.4 | 80 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.1 | 28 | 9.01 | Availability of latest technologies | 5.9 | 33 |
| 3.04 | General government debt, % GDP* | 68.5 | 112 | 9.02 | Firm-level technology absorption | 5.1 | 48 |
| 3.05 | Country credit rating, 0-100 (best)* | 64.7 | 41 | 9.03 | FDI and technology transfer | 4.9 | 42 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 67.6 | 38 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 23.5 | 27 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 64.1 | 26 |
| 4.03 | Business impact of tuberculosis | 6.4 | 20 | 9.07 | Mobile broadband subscriptions/100 pop.* | 40.9 | 25 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 16.0 | 36 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 22 | 10.01 | Domestic market size index, 1-7 (best)* | 5.4 | 13 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 5.7 | 21 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 3.9 | 23 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.6 | 7 | 11.01 | Local supplier quantity | 5.4 | 16 |
| 4.09 | Quality of primary education | 3.6 | 79 | 11.02 | Local supplier quality | 5.2 | 24 |
| 4.10 | Primary education enrollment, net %* | 99.7 | 6 | 11.03 | State of cluster development | 4.1 | 41 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.2 | 33 | |
| 5.01 | Secondary education enrollment, gross %* | 124.7 | 2 | 11.05 | Value chain breadth | 4.5 | 26 |
| 5.02 | Tertiary education enrollment, gross %* | 73.2 | 18 | 11.06 | Control of international distribution | 4.2 | 48 |
| 5.03 | Quality of the educational system | 3.5 | 81 | 11.07 | Production process sophistication | 4.5 | 35 |
| 5.04 | Quality of math and science education | 3.6 | 97 | 11.08 | Extent of marketing | 4.7 | 36 |
| 5.05 | Quality of management schools | 5.8 | 4 | 11.09 | Willingness to delegate authority | 3.8 | 64 |
| 5.06 | Internet access in schools | 4.8 | 47 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.9 | 28 | 12.01 | Capacity for innovation | 3.5 | 44 |
| 5.08 | Extent of staff training | 3.6 | 105 | 12.02 | Quality of scientific research institutions | 4.6 | 36 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 48 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.1 | 45 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 89 |
| | | | | 12.06 | Availability of scientists and engineers | 5.0 | 18 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 35.4 | 25 |

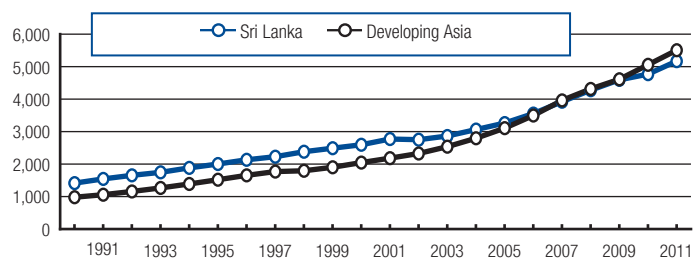
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Sri Lanka

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 21.4 |
| GDP (US\$ billions)..... | 59.1 |
| GDP per capita (US\$)..... | 2,877 |
| GDP (PPP) as share (%) of world total..... | 0.15 |

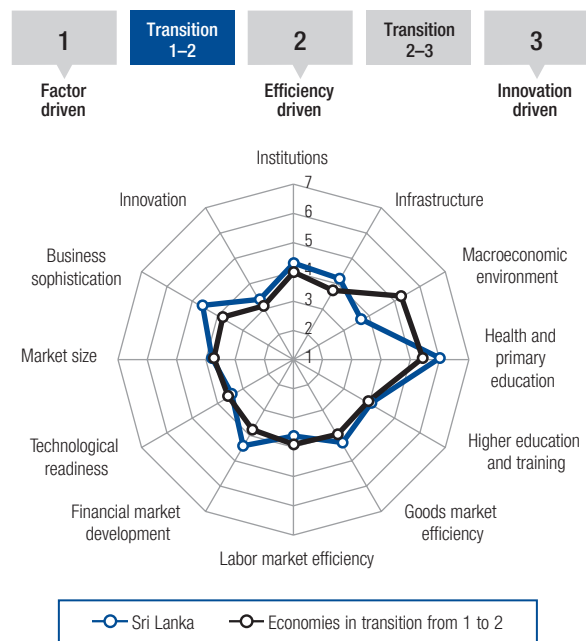
GDP (PPP) per capita (int'l \$), 1990–2011



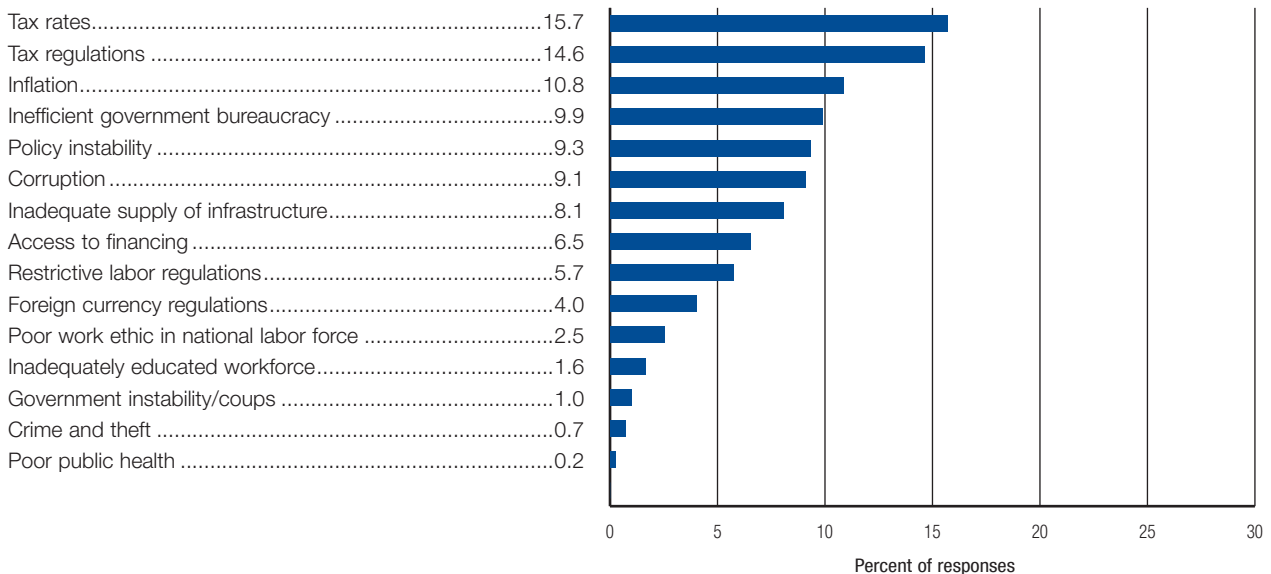
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 68 | 4.2 |
| GCI 2011–2012 (out of 142)..... | 52 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 62 | 4.2 |
| Basic requirements (42.5%) | 72 | 4.5 |
| Institutions..... | 49 | 4.2 |
| Infrastructure..... | 62 | 4.1 |
| Macroeconomic environment..... | 127 | 3.7 |
| Health and primary education..... | 44 | 6.0 |
| Efficiency enhancers (48.2%) | 77 | 4.0 |
| Higher education and training..... | 79 | 4.1 |
| Goods market efficiency..... | 57 | 4.3 |
| Labor market efficiency..... | 129 | 3.7 |
| Financial market development..... | 42 | 4.5 |
| Technological readiness..... | 89 | 3.4 |
| Market size..... | 64 | 3.8 |
| Innovation and sophistication factors (9.4%) | 41 | 4.0 |
| Business sophistication..... | 31 | 4.6 |
| Innovation..... | 58 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Sri Lanka

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.3 | 65 | 6.01 | Intensity of local competition | 5.5 | 26 |
| 1.02 | Intellectual property protection | 3.8 | 55 | 6.02 | Extent of market dominance | 4.6 | 24 |
| 1.03 | Diversion of public funds | 3.5 | 57 | 6.03 | Effectiveness of anti-monopoly policy | 4.0 | 74 |
| 1.04 | Public trust in politicians | 2.1 | 112 | 6.04 | Extent and effect of taxation | 3.8 | 43 |
| 1.05 | Irregular payments and bribes | 3.9 | 70 | 6.05 | Total tax rate, % profits* | 105.2 | 139 |
| 1.06 | Judicial independence | 4.1 | 56 | 6.06 | No. procedures to start a business* | 4 | 20 |
| 1.07 | Favoritism in decisions of government officials | 3.6 | 44 | 6.07 | No. days to start a business* | 35 | 112 |
| 1.08 | Wastefulness of government spending | 4.0 | 26 | 6.08 | Agricultural policy costs | 4.3 | 33 |
| 1.09 | Burden of government regulation | 3.8 | 45 | 6.09 | Prevalence of trade barriers | 3.9 | 101 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.5 | 33 | 6.10 | Trade tariffs, % duty* | 11.7 | 124 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.4 | 34 | 6.11 | Prevalence of foreign ownership | 5.1 | 48 |
| 1.12 | Transparency of government policymaking | 4.3 | 66 | 6.12 | Business impact of rules on FDI | 5.1 | 35 |
| 1.13 | Gov't services for improved business performance n/a | n/a | n/a | 6.13 | Burden of customs procedures | 4.3 | 59 |
| 1.14 | Business costs of terrorism | 6.2 | 33 | 6.14 | Imports as a percentage of GDP* | 33.5 | 104 |
| 1.15 | Business costs of crime and violence | 5.8 | 23 | 6.15 | Degree of customer orientation | 4.8 | 50 |
| 1.16 | Organized crime | 5.8 | 38 | 6.16 | Buyer sophistication | 4.5 | 16 |
| 1.17 | Reliability of police services | 4.2 | 72 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 61 | 7.01 | Cooperation in labor-employer relations | 4.5 | 54 |
| 1.19 | Strength of auditing and reporting standards | 5.0 | 46 | 7.02 | Flexibility of wage determination | 5.1 | 68 |
| 1.20 | Efficacy of corporate boards | 5.0 | 30 | 7.03 | Hiring and firing practices | 3.1 | 128 |
| 1.21 | Protection of minority shareholders' interests | 5.0 | 23 | 7.04 | Redundancy costs, weeks of salary* | 59 | 138 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.0 | 39 | 7.05 | Pay and productivity | 4.3 | 38 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.0 | 35 | |
| 2.01 | Quality of overall infrastructure | 4.8 | 50 | 7.07 | Brain drain | 3.8 | 46 |
| 2.02 | Quality of roads | 4.6 | 48 | 7.08 | Women in labor force, ratio to men* | 0.47 | 129 |
| 2.03 | Quality of railroad infrastructure | 3.8 | 37 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.9 | 45 | 8.01 | Availability of financial services | 5.3 | 33 |
| 2.05 | Quality of air transport infrastructure | 5.0 | 57 | 8.02 | Affordability of financial services | 5.0 | 30 |
| 2.06 | Available airline seat kms/week, millions* | 259.1 | 56 | 8.03 | Financing through local equity market | 5.5 | 2 |
| 2.07 | Quality of electricity supply | 5.3 | 54 | 8.04 | Ease of access to loans | 2.6 | 88 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 87.0 | 100 | 8.05 | Venture capital availability | 2.2 | 107 |
| 2.09 | Fixed telephone lines/100 pop.* | 17.1 | 74 | 8.06 | Soundness of banks | 5.9 | 27 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.1 | 29 | |
| 3.01 | Government budget balance, % GDP* | -6.9 | 130 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 20.3 | 71 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.7 | 98 | 9.01 | Availability of latest technologies | 5.1 | 62 |
| 3.04 | General government debt, % GDP* | 79.0 | 124 | 9.02 | Firm-level technology absorption | 5.2 | 42 |
| 3.05 | Country credit rating, 0-100 (best)* | 32.8 | 98 | 9.03 | FDI and technology transfer | 4.9 | 50 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 15.0 | 107 | |
| 4.01 | Business impact of malaria | 6.2 | 78 | 9.05 | Broadband Internet subscriptions/100 pop.* | 1.7 | 97 |
| 4.02 | Malaria cases/100,000 pop.* | 14.9 | 87 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 5.2 | 105 |
| 4.03 | Business impact of tuberculosis | 6.1 | 34 | 9.07 | Mobile broadband subscriptions/100 pop.* | 2.3 | 98 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 66.0 | 77 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.3 | 17 | 10.01 | Domestic market size index, 1-7 (best)* | 3.7 | 60 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 4.0 | 77 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 14.2 | 67 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.7 | 54 | 11.01 | Local supplier quantity | 5.3 | 20 |
| 4.09 | Quality of primary education | 4.6 | 39 | 11.02 | Local supplier quality | 4.9 | 41 |
| 4.10 | Primary education enrollment, net %* | 94.0 | 62 | 11.03 | State of cluster development | 4.3 | 31 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 4.1 | 34 | |
| 5.01 | Secondary education enrollment, gross %* | 87.1 | 78 | 11.05 | Value chain breadth | 4.4 | 29 |
| 5.02 | Tertiary education enrollment, gross %* | 15.5 | 100 | 11.06 | Control of international distribution | 4.5 | 25 |
| 5.03 | Quality of the educational system | 4.4 | 33 | 11.07 | Production process sophistication | 4.2 | 44 |
| 5.04 | Quality of math and science education | 4.0 | 69 | 11.08 | Extent of marketing | 4.9 | 34 |
| 5.05 | Quality of management schools | 4.8 | 38 | 11.09 | Willingness to delegate authority | 4.5 | 26 |
| 5.06 | Internet access in schools | 3.3 | 105 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 63 | 12.01 | Capacity for innovation | 2.9 | 93 |
| 5.08 | Extent of staff training | 3.8 | 80 | 12.02 | Quality of scientific research institutions | 3.9 | 57 |
| | | | | 12.03 | Company spending on R&D | 3.0 | 82 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.0 | 118 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.6 | 7 |
| | | | | 12.06 | Availability of scientists and engineers | 4.6 | 32 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.7 | 68 |

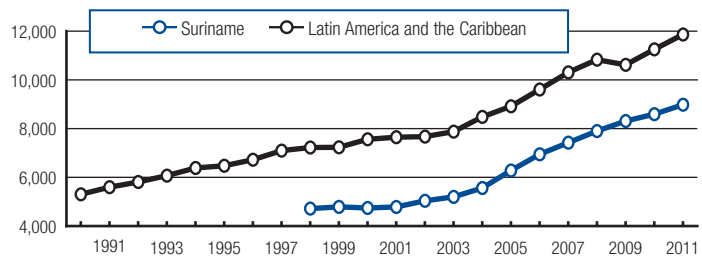
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Suriname

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 0.5 |
| GDP (US\$ billions)..... | 3.8 |
| GDP per capita (US\$)..... | 7,096 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

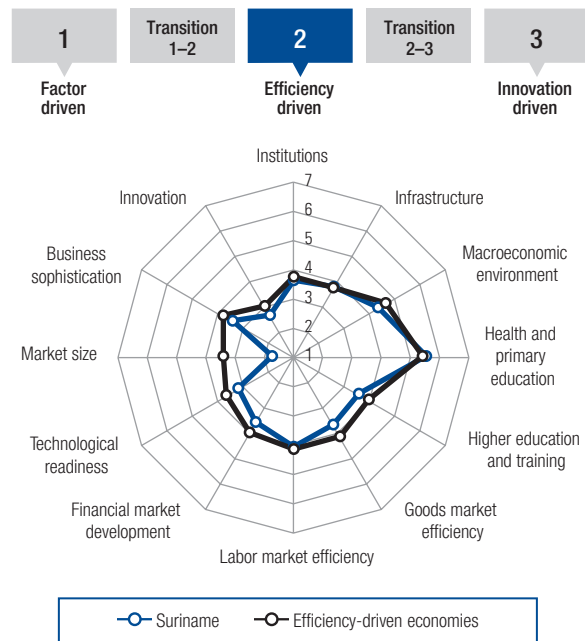
GDP (PPP) per capita (int'l \$), 1990–2011



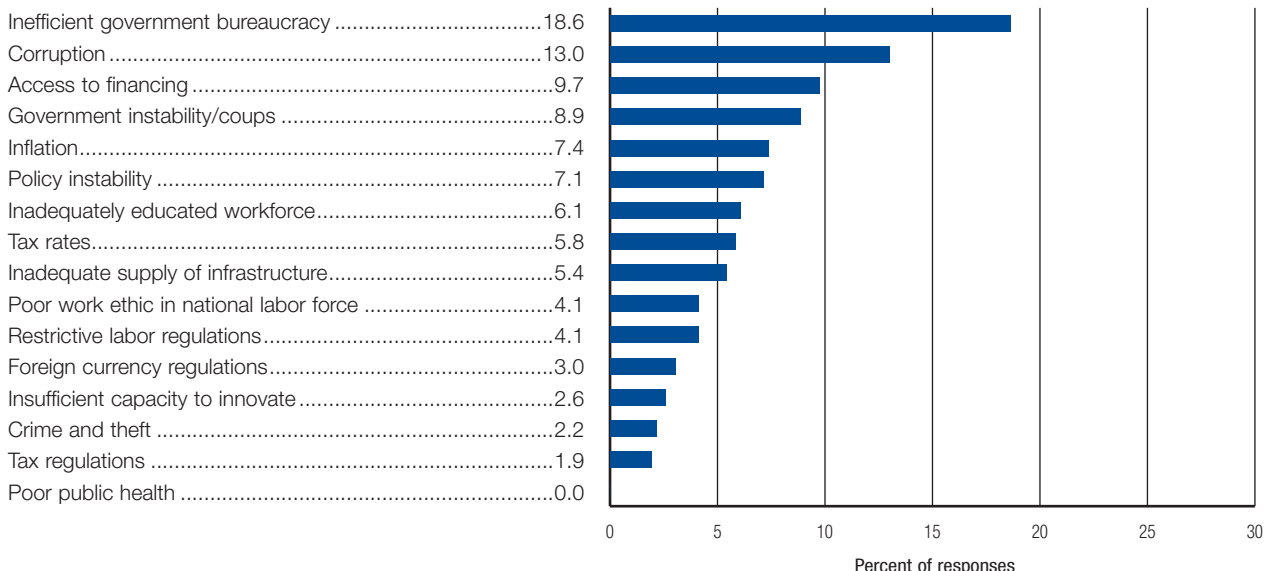
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 114 | 3.7 |
| GCI 2011–2012 (out of 142)..... | 112 | 3.7 |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (40.0%) | 83 | 4.3 |
| Institutions..... | 93 | 3.6 |
| Infrastructure..... | 79 | 3.7 |
| Macroeconomic environment..... | 96 | 4.3 |
| Health and primary education..... | 82 | 5.5 |
| Efficiency enhancers (50.0%) | 124 | 3.3 |
| Higher education and training..... | 102 | 3.6 |
| Goods market efficiency..... | 128 | 3.7 |
| Labor market efficiency..... | 96 | 4.1 |
| Financial market development..... | 107 | 3.6 |
| Technological readiness..... | 105 | 3.2 |
| Market size..... | 139 | 1.7 |
| Innovation and sophistication factors (10.0%) | 117 | 3.0 |
| Business sophistication..... | 112 | 3.4 |
| Innovation..... | 124 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Suriname

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 109 | 6.01 | Intensity of local competition | 4.7 | 76 |
| 1.02 | Intellectual property protection | 2.5 | 129 | 6.02 | Extent of market dominance | 3.7 | 76 |
| 1.03 | Diversion of public funds | 3.4 | 64 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 118 |
| 1.04 | Public trust in politicians | 2.1 | 110 | 6.04 | Extent and effect of taxation | 3.3 | 86 |
| 1.05 | Irregular payments and bribes | 3.6 | 90 | 6.05 | Total tax rate, % profits* | 27.9 | 28 |
| 1.06 | Judicial independence | 4.1 | 55 | 6.06 | No. procedures to start a business* | 13 | 130 |
| 1.07 | Favoritism in decisions of government officials | 2.7 | 100 | 6.07 | No. days to start a business* | 694 | 141 |
| 1.08 | Wastefulness of government spending | 3.1 | 84 | 6.08 | Agricultural policy costs | 3.3 | 118 |
| 1.09 | Burden of government regulation | 3.1 | 94 | 6.09 | Prevalence of trade barriers | 4.8 | 34 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.0 | 116 | 6.10 | Trade tariffs, % duty* | 10.9 | 111 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.9 | 115 | 6.11 | Prevalence of foreign ownership | 4.1 | 104 |
| 1.12 | Transparency of government policymaking | 3.7 | 121 | 6.12 | Business impact of rules on FDI | 3.9 | 115 |
| 1.13 | Gov't services for improved business performance | 2.8 | 125 | 6.13 | Burden of customs procedures | 3.4 | 108 |
| 1.14 | Business costs of terrorism | 6.0 | 45 | 6.14 | Imports as a percentage of GDP* | 51.3 | 60 |
| 1.15 | Business costs of crime and violence | 4.3 | 95 | 6.15 | Degree of customer orientation | 3.7 | 132 |
| 1.16 | Organized crime | 5.5 | 56 | 6.16 | Buyer sophistication | 3.1 | 95 |
| 1.17 | Reliability of police services | 4.7 | 49 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.7 | 83 | 7.01 | Cooperation in labor-employer relations | 4.1 | 92 |
| 1.19 | Strength of auditing and reporting standards | 4.0 | 108 | 7.02 | Flexibility of wage determination | 5.0 | 76 |
| 1.20 | Efficacy of corporate boards | 4.4 | 82 | 7.03 | Hiring and firing practices | 2.8 | 137 |
| 1.21 | Protection of minority shareholders' interests | 3.4 | 127 | 7.04 | Redundancy costs, weeks of salary* | 9 | 31 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 2.0 | 141 | 7.05 | Pay and productivity | 3.2 | 123 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 69 | |
| 2.01 | Quality of overall infrastructure | 4.3 | 68 | 7.07 | Brain drain | 3.5 | 64 |
| 2.02 | Quality of roads | 4.1 | 63 | 7.08 | Women in labor force, ratio to men* | 0.60 | 115 |
| 2.03 | Quality of railroad infrastructure | 1.1 | 121 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.0 | 42 | 8.01 | Availability of financial services | 3.7 | 123 |
| 2.05 | Quality of air transport infrastructure | 4.0 | 99 | 8.02 | Affordability of financial services | 3.4 | 120 |
| 2.06 | Available airline seat kms/week, millions* | 24.1 | 114 | 8.03 | Financing through local equity market | 3.1 | 95 |
| 2.07 | Quality of electricity supply | 3.9 | 91 | 8.04 | Ease of access to loans | 2.4 | 103 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 178.9 | 6 | 8.05 | Venture capital availability | 2.0 | 123 |
| 2.09 | Fixed telephone lines/100 pop.* | 16.1 | 77 | 8.06 | Soundness of banks | 5.6 | 49 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 116 | |
| 3.01 | Government budget balance, % GDP* | -0.1 | 31 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 21.5 | 63 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 17.7 | 138 | 9.01 | Availability of latest technologies | 4.3 | 110 |
| 3.04 | General government debt, % GDP* | 20.6 | 26 | 9.02 | Firm-level technology absorption | 4.1 | 121 |
| 3.05 | Country credit rating, 0-100 (best)* | 32.8 | 98 | 9.03 | FDI and technology transfer | 3.7 | 130 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 32.0 | 83 | |
| 4.01 | Business impact of malaria | 5.7 | 87 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.5 | 76 |
| 4.02 | Malaria cases/100,000 pop.* | 566.9 | 108 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 4.7 | 109 |
| 4.03 | Business impact of tuberculosis | 5.2 | 79 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 145.0 | 105 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.5 | 107 | 10.01 | Domestic market size index, 1-7 (best)* | 1.4 | 140 |
| 4.06 | HIV prevalence, % adult pop.* | 1.0 | 105 | 10.02 | Foreign market size index, 1-7 (best)* | 2.7 | 129 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 26.9 | 96 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 70.3 | 93 | 11.01 | Local supplier quantity | 4.2 | 116 |
| 4.09 | Quality of primary education | 3.8 | 66 | 11.02 | Local supplier quality | 4.1 | 98 |
| 4.10 | Primary education enrollment, net %* | 90.9 | 88 | 11.03 | State of cluster development | 2.9 | 122 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.9 | 112 | |
| 5.01 | Secondary education enrollment, gross %* | 74.8 | 97 | 11.05 | Value chain breadth | 3.1 | 108 |
| 5.02 | Tertiary education enrollment, gross %* | 12.1 | 104 | 11.06 | Control of international distribution | 3.5 | 118 |
| 5.03 | Quality of the educational system | 3.4 | 84 | 11.07 | Production process sophistication | 3.1 | 109 |
| 5.04 | Quality of math and science education | 3.8 | 85 | 11.08 | Extent of marketing | 3.3 | 117 |
| 5.05 | Quality of management schools | 4.3 | 63 | 11.09 | Willingness to delegate authority | 3.2 | 111 |
| 5.06 | Internet access in schools | 2.5 | 125 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.4 | 115 | 12.01 | Capacity for innovation | 2.7 | 106 |
| 5.08 | Extent of staff training | 4.2 | 47 | 12.02 | Quality of scientific research institutions | 2.5 | 128 |
| | | | | 12.03 | Company spending on R&D | 2.6 | 115 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 106 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.8 | 126 |
| | | | | 12.06 | Availability of scientists and engineers | 3.5 | 111 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 92 |

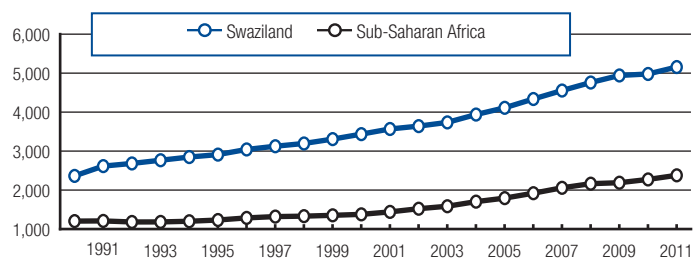
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Swaziland

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 1.2 |
| GDP (US\$ billions)..... | 3.9 |
| GDP per capita (US\$)..... | 3,358 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

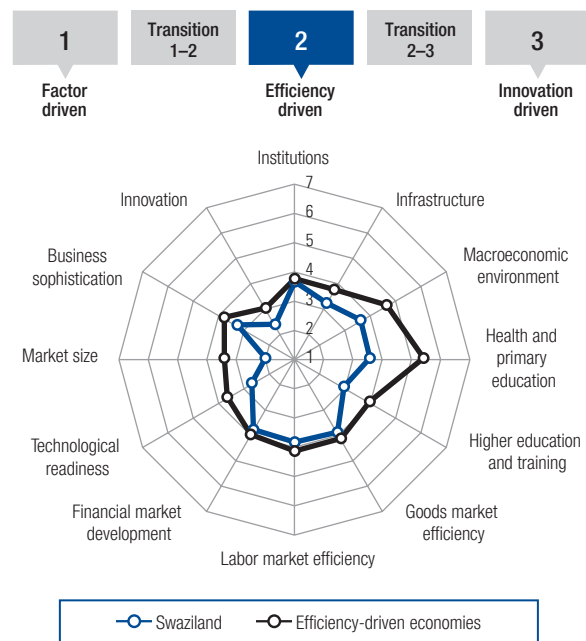
GDP (PPP) per capita (int'l \$), 1990–2011



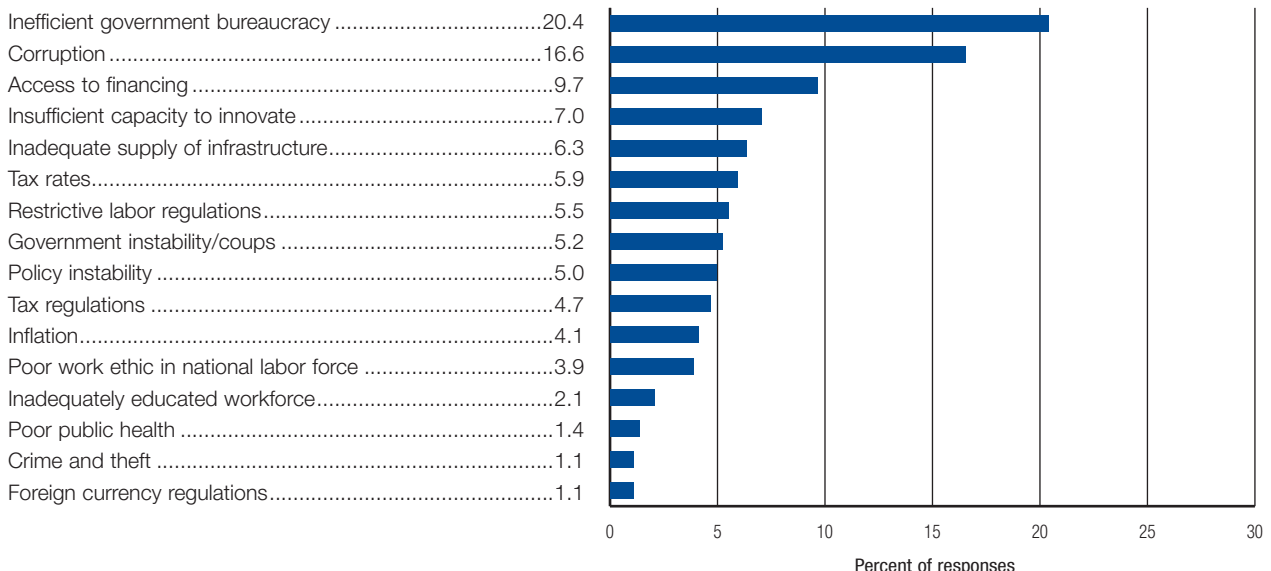
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 135 | 3.3 |
| GCI 2011–2012 (out of 142)..... | 134 | 3.3 |
| GCI 2010–2011 (out of 139)..... | 126 | 3.4 |
| Basic requirements (40.0%) | 131 | 3.5 |
| Institutions..... | 88 | 3.6 |
| Infrastructure..... | 99 | 3.2 |
| Macroeconomic environment..... | 128 | 3.6 |
| Health and primary education..... | 135 | 3.6 |
| Efficiency enhancers (50.0%) | 130 | 3.2 |
| Higher education and training..... | 125 | 2.9 |
| Goods market efficiency..... | 107 | 3.9 |
| Labor market efficiency..... | 119 | 3.9 |
| Financial market development..... | 89 | 3.8 |
| Technological readiness..... | 128 | 2.7 |
| Market size..... | 133 | 2.0 |
| Innovation and sophistication factors (10.0%) | 134 | 2.8 |
| Business sophistication..... | 124 | 3.3 |
| Innovation..... | 137 | 2.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Swaziland

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.0 | 83 | 6.01 | Intensity of local competition | 4.2 | 111 |
| 1.02 | Intellectual property protection | 3.6 | 69 | 6.02 | Extent of market dominance | 3.2 | 110 |
| 1.03 | Diversion of public funds | 2.6 | 114 | 6.03 | Effectiveness of anti-monopoly policy | 3.3 | 126 |
| 1.04 | Public trust in politicians | 2.4 | 93 | 6.04 | Extent and effect of taxation | 3.2 | 100 |
| 1.05 | Irregular payments and bribes | 3.7 | 83 | 6.05 | Total tax rate, % profits* | 36.8 | 66 |
| 1.06 | Judicial independence | 3.3 | 90 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 111 | 6.07 | No. days to start a business* | 56 | 127 |
| 1.08 | Wastefulness of government spending | 2.2 | 129 | 6.08 | Agricultural policy costs | 3.9 | 70 |
| 1.09 | Burden of government regulation | 3.0 | 99 | 6.09 | Prevalence of trade barriers | 4.0 | 97 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.5 | 81 | 6.10 | Trade tariffs, % duty* | 6.7 | 83 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.0 | 108 | 6.11 | Prevalence of foreign ownership | 5.3 | 36 |
| 1.12 | Transparency of government policymaking | 3.5 | 132 | 6.12 | Business impact of rules on FDI | 4.3 | 98 |
| 1.13 | Gov't services for improved business performance | 2.9 | 121 | 6.13 | Burden of customs procedures | 3.0 | 135 |
| 1.14 | Business costs of terrorism | 5.5 | 79 | 6.14 | Imports as a percentage of GDP* | 71.7 | 31 |
| 1.15 | Business costs of crime and violence | 4.3 | 100 | 6.15 | Degree of customer orientation | 4.4 | 94 |
| 1.16 | Organized crime | 5.1 | 77 | 6.16 | Buyer sophistication | 3.1 | 100 |
| 1.17 | Reliability of police services | 4.2 | 75 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 99 | 7.01 | Cooperation in labor-employer relations | 4.0 | 102 |
| 1.19 | Strength of auditing and reporting standards | 5.1 | 40 | 7.02 | Flexibility of wage determination | 4.7 | 96 |
| 1.20 | Efficacy of corporate boards | 4.4 | 87 | 7.03 | Hiring and firing practices | 3.3 | 117 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 67 | 7.04 | Redundancy costs, weeks of salary* | 15 | 67 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 3.3 | 116 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 72 | |
| 2.01 | Quality of overall infrastructure | 4.2 | 73 | 7.07 | Brain drain | 2.4 | 127 |
| 2.02 | Quality of roads | 4.6 | 47 | 7.08 | Women in labor force, ratio to men* | 0.63 | 111 |
| 2.03 | Quality of railroad infrastructure | 3.2 | 48 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.2 | 68 | 8.01 | Availability of financial services | 4.2 | 87 |
| 2.05 | Quality of air transport infrastructure | 3.5 | 116 | 8.02 | Affordability of financial services | 3.8 | 91 |
| 2.06 | Available airline seat kms/week, millions* | 0.3 | 143 | 8.03 | Financing through local equity market | 2.6 | 118 |
| 2.07 | Quality of electricity supply | 3.9 | 92 | 8.04 | Ease of access to loans | 2.4 | 102 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 63.7 | 121 | 8.05 | Venture capital availability | 2.1 | 120 |
| 2.09 | Fixed telephone lines/100 pop.* | 4.4 | 109 | 8.06 | Soundness of banks | 5.6 | 46 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.7 | 102 | |
| 3.01 | Government budget balance, % GDP* | -6.8 | 129 | 8.08 | Legal rights index, 0-10 (best)* | 6 | 65 |
| 3.02 | Gross national savings, % GDP* | -1.5 | 141 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.1 | 91 | 9.01 | Availability of latest technologies | 3.8 | 131 |
| 3.04 | General government debt, % GDP* | 17.5 | 22 | 9.02 | Firm-level technology absorption | 4.0 | 124 |
| 3.05 | Country credit rating, 0-100 (best)* | 21.4 | 123 | 9.03 | FDI and technology transfer | 3.9 | 118 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 18.1 | 99 | |
| 4.01 | Business impact of malaria | 4.1 | 117 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.2 | 116 |
| 4.02 | Malaria cases/100,000 pop.* | 88.8 | 98 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 2.3 | 122 |
| 4.03 | Business impact of tuberculosis | 2.3 | 144 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.7 | 113 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 1,287.0 | 144 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.1 | 144 | 10.01 | Domestic market size index, 1-7 (best)* | 1.7 | 134 |
| 4.06 | HIV prevalence, % adult pop.* | 25.9 | 144 | 10.02 | Foreign market size index, 1-7 (best)* | 2.8 | 128 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 55.1 | 118 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 48.3 | 142 | 11.01 | Local supplier quantity | 3.7 | 136 |
| 4.09 | Quality of primary education | 3.3 | 99 | 11.02 | Local supplier quality | 3.8 | 119 |
| 4.10 | Primary education enrollment, net %* | 85.5 | 111 | 11.03 | State of cluster development | 3.2 | 100 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 120 | |
| 5.01 | Secondary education enrollment, gross %* | 58.1 | 111 | 11.05 | Value chain breadth | 2.7 | 130 |
| 5.02 | Tertiary education enrollment, gross %* | 4.4 | 126 | 11.06 | Control of international distribution | 3.5 | 117 |
| 5.03 | Quality of the educational system | 3.1 | 110 | 11.07 | Production process sophistication | 2.9 | 120 |
| 5.04 | Quality of math and science education | 3.2 | 110 | 11.08 | Extent of marketing | 3.0 | 126 |
| 5.05 | Quality of management schools | 2.8 | 135 | 11.09 | Willingness to delegate authority | 3.2 | 115 |
| 5.06 | Internet access in schools | 2.5 | 126 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.0 | 132 | 12.01 | Capacity for innovation | 2.4 | 130 |
| 5.08 | Extent of staff training | 3.8 | 87 | 12.02 | Quality of scientific research institutions | 2.3 | 133 |
| | | | | 12.03 | Company spending on R&D | 2.3 | 131 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.6 | 130 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.5 | 137 |
| | | | | 12.06 | Availability of scientists and engineers | 2.6 | 144 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.2 | 90 |

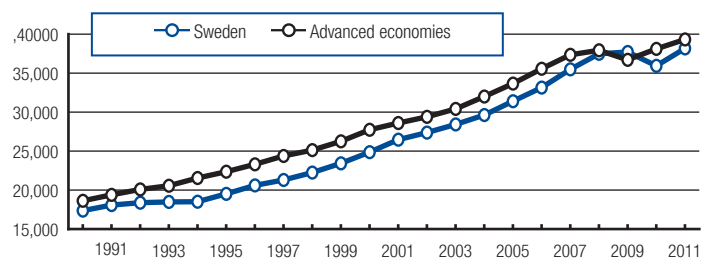
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Sweden

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 9.9 |
| GDP (US\$ billions)..... | 538.2 |
| GDP per capita (US\$)..... | 56,956 |
| GDP (PPP) as share (%) of world total..... | 0.48 |

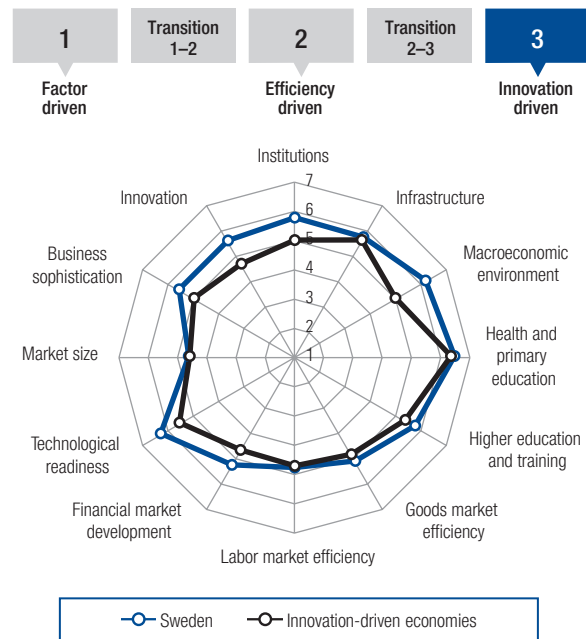
GDP (PPP) per capita (int'l \$), 1990–2011



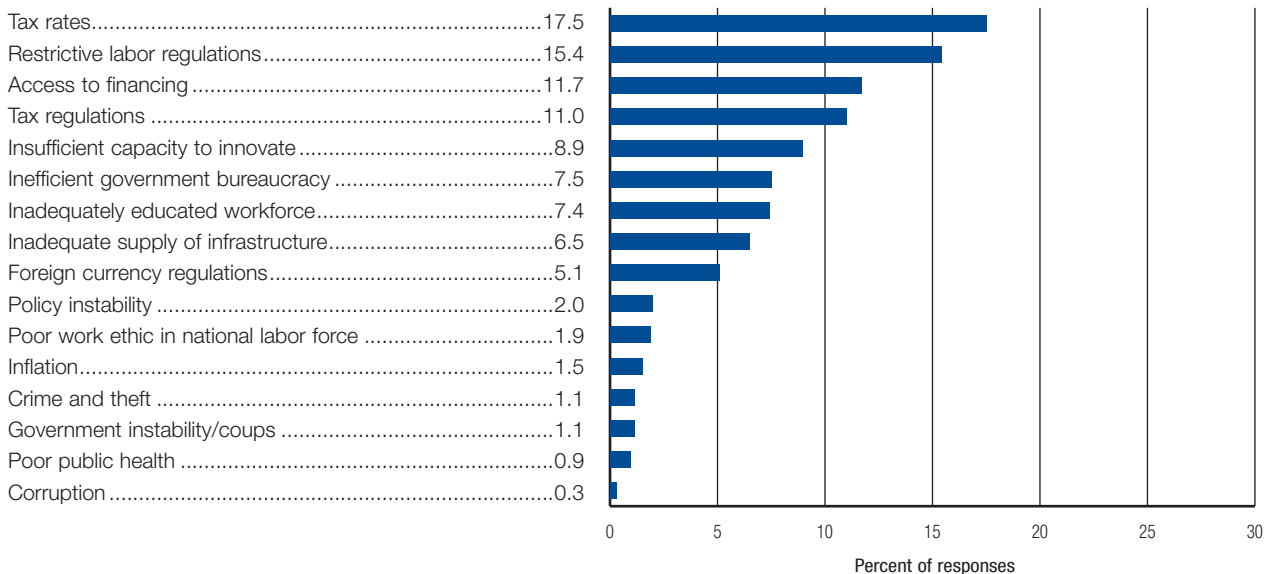
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 4 | 5.5 |
| GCI 2011–2012 (out of 142)..... | 3 | 5.6 |
| GCI 2010–2011 (out of 139)..... | 2 | 5.6 |
| Basic requirements (20.0%) | 6 | 6.0 |
| Institutions..... | 6 | 5.7 |
| Infrastructure..... | 19 | 5.7 |
| Macroeconomic environment..... | 13 | 6.2 |
| Health and primary education..... | 14 | 6.5 |
| Efficiency enhancers (50.0%) | 8 | 5.3 |
| Higher education and training..... | 7 | 5.7 |
| Goods market efficiency..... | 12 | 5.1 |
| Labor market efficiency..... | 25 | 4.8 |
| Financial market development..... | 10 | 5.3 |
| Technological readiness..... | 1 | 6.3 |
| Market size..... | 34 | 4.6 |
| Innovation and sophistication factors (30.0%) | 5 | 5.6 |
| Business sophistication..... | 5 | 5.6 |
| Innovation..... | 4 | 5.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.9 | 11 | 6.01 | Intensity of local competition | 5.5 | 22 |
| 1.02 | Intellectual property protection | 5.6 | 12 | 6.02 | Extent of market dominance | 4.8 | 21 |
| 1.03 | Diversion of public funds | 6.0 | 6 | 6.03 | Effectiveness of anti-monopoly policy | 5.5 | 3 |
| 1.04 | Public trust in politicians | 5.5 | 7 | 6.04 | Extent and effect of taxation | 3.1 | 104 |
| 1.05 | Irregular payments and bribes | 6.2 | 10 | 6.05 | Total tax rate, % profits* | 52.8 | 116 |
| 1.06 | Judicial independence | 6.2 | 9 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 5.3 | 3 | 6.07 | No. days to start a business* | 15 | 71 |
| 1.08 | Wastefulness of government spending | 4.9 | 8 | 6.08 | Agricultural policy costs | 4.6 | 18 |
| 1.09 | Burden of government regulation | 4.0 | 31 | 6.09 | Prevalence of trade barriers | 5.3 | 17 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.6 | 5 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.5 | 5 | 6.11 | Prevalence of foreign ownership | 5.5 | 23 |
| 1.12 | Transparency of government policymaking | 5.5 | 8 | 6.12 | Business impact of rules on FDI | 5.1 | 32 |
| 1.13 | Gov't services for improved business performance | 4.3 | 27 | 6.13 | Burden of customs procedures | 5.5 | 7 |
| 1.14 | Business costs of terrorism | 6.2 | 32 | 6.14 | Imports as a percentage of GDP* | 42.9 | 78 |
| 1.15 | Business costs of crime and violence | 5.7 | 27 | 6.15 | Degree of customer orientation | 5.8 | 4 |
| 1.16 | Organized crime | 6.0 | 30 | 6.16 | Buyer sophistication | 4.8 | 5 |
| 1.17 | Reliability of police services | 6.1 | 13 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.2 | 8 | 7.01 | Cooperation in labor-employer relations | 5.6 | 8 |
| 1.19 | Strength of auditing and reporting standards | 5.9 | 11 | 7.02 | Flexibility of wage determination | 3.5 | 135 |
| 1.20 | Efficacy of corporate boards | 5.6 | 6 | 7.03 | Hiring and firing practices | 2.9 | 133 |
| 1.21 | Protection of minority shareholders' interests | 5.6 | 6 | 7.04 | Redundancy costs, weeks of salary* | 14 | 66 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.3 | 29 | 7.05 | Pay and productivity | 3.9 | 72 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.1 | 5 | |
| 2.01 | Quality of overall infrastructure | 5.8 | 19 | 7.07 | Brain drain | 5.2 | 11 |
| 2.02 | Quality of roads | 5.6 | 25 | 7.08 | Women in labor force, ratio to men* | 0.93 | 17 |
| 2.03 | Quality of railroad infrastructure | 4.7 | 21 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.9 | 11 | 8.01 | Availability of financial services | 6.0 | 10 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 20 | 8.02 | Affordability of financial services | 5.1 | 24 |
| 2.06 | Available airline seat kms/week, millions* | 463.6 | 41 | 8.03 | Financing through local equity market | 4.8 | 11 |
| 2.07 | Quality of electricity supply | 6.6 | 12 | 8.04 | Ease of access to loans | 4.6 | 4 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 118.6 | 46 | 8.05 | Venture capital availability | 4.4 | 5 |
| 2.09 | Fixed telephone lines/100 pop.* | 48.7 | 14 | 8.06 | Soundness of banks | 6.1 | 19 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.6 | 11 | |
| 3.01 | Government budget balance, % GDP* | 0.1 | 30 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 26.8 | 35 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.4 | 1 | 9.01 | Availability of latest technologies | 6.7 | 1 |
| 3.04 | General government debt, % GDP* | 37.4 | 64 | 9.02 | Firm-level technology absorption | 6.3 | 1 |
| 3.05 | Country credit rating, 0-100 (best)* | 92.9 | 4 | 9.03 | FDI and technology transfer | 5.2 | 23 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 91.0 | 4 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 31.8 | 14 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 244.4 | 4 |
| 4.03 | Business impact of tuberculosis | 6.7 | 4 | 9.07 | Mobile broadband subscriptions/100 pop.* | 91.5 | 4 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 6.8 | 19 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.5 | 8 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 33 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.2 | 33 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 2.3 | 5 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 81.5 | 9 | 11.01 | Local supplier quantity | 5.1 | 30 |
| 4.09 | Quality of primary education | 5.0 | 22 | 11.02 | Local supplier quality | 5.7 | 8 |
| 4.10 | Primary education enrollment, net %* | 99.4 | 10 | 11.03 | State of cluster development | 5.0 | 14 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.7 | 12 | |
| 5.01 | Secondary education enrollment, gross %* | 99.2 | 36 | 11.05 | Value chain breadth | 5.7 | 4 |
| 5.02 | Tertiary education enrollment, gross %* | 73.8 | 17 | 11.06 | Control of international distribution | 4.8 | 19 |
| 5.03 | Quality of the educational system | 5.3 | 12 | 11.07 | Production process sophistication | 6.0 | 6 |
| 5.04 | Quality of math and science education | 4.6 | 36 | 11.08 | Extent of marketing | 5.8 | 5 |
| 5.05 | Quality of management schools | 5.4 | 11 | 11.09 | Willingness to delegate authority | 6.0 | 2 |
| 5.06 | Internet access in schools | 6.1 | 11 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.8 | 7 | 12.01 | Capacity for innovation | 5.5 | 5 |
| 5.08 | Extent of staff training | 5.2 | 6 | 12.02 | Quality of scientific research institutions | 5.6 | 9 |
| | | | | 12.03 | Company spending on R&D | 5.5 | 5 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.4 | 7 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.5 | 12 |
| | | | | 12.06 | Availability of scientists and engineers | 5.4 | 4 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 311.0 | 1 |

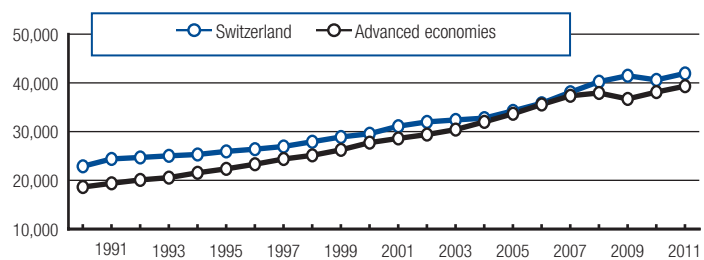
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Switzerland

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 8.1 |
| GDP (US\$ billions)..... | 636.1 |
| GDP per capita (US\$)..... | 81,161 |
| GDP (PPP) as share (%) of world total..... | 0.43 |

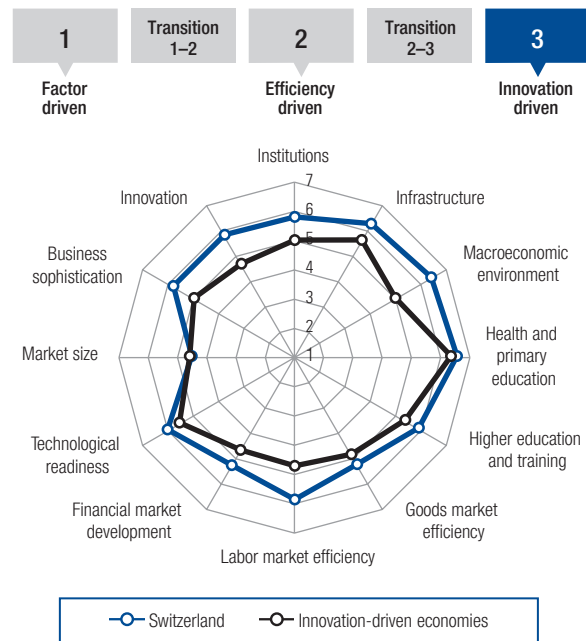
GDP (PPP) per capita (int'l \$), 1990–2011



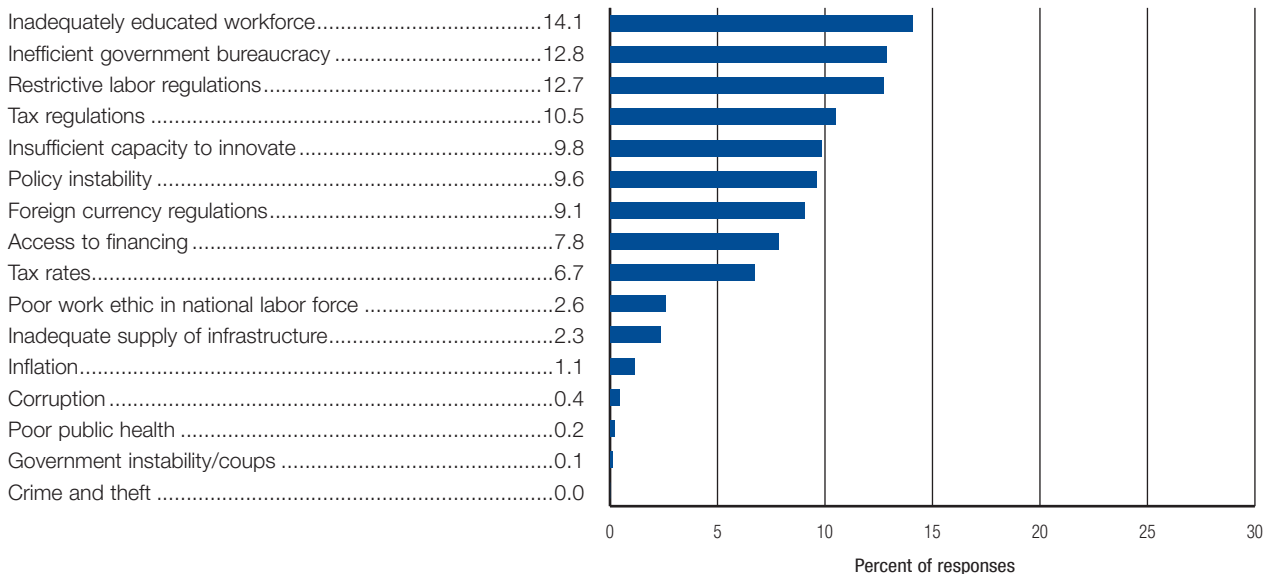
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 1 | 5.7 |
| GCI 2011–2012 (out of 142)..... | 1 | 5.7 |
| GCI 2010–2011 (out of 139)..... | 1 | 5.6 |
| Basic requirements (20.0%) | 2 | 6.2 |
| Institutions..... | 5 | 5.8 |
| Infrastructure..... | 5 | 6.2 |
| Macroeconomic environment..... | 8 | 6.4 |
| Health and primary education..... | 8 | 6.5 |
| Efficiency enhancers (50.0%) | 5 | 5.5 |
| Higher education and training..... | 3 | 5.9 |
| Goods market efficiency..... | 7 | 5.3 |
| Labor market efficiency..... | 1 | 5.9 |
| Financial market development..... | 9 | 5.3 |
| Technological readiness..... | 6 | 6.0 |
| Market size..... | 39 | 4.5 |
| Innovation and sophistication factors (30.0%) | 1 | 5.8 |
| Business sophistication..... | 2 | 5.8 |
| Innovation..... | 1 | 5.8 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Switzerland

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.4 | 2 | 6.01 | Intensity of local competition | 5.6 | 20 |
| 1.02 | Intellectual property protection | 6.0 | 4 | 6.02 | Extent of market dominance | 5.8 | 1 |
| 1.03 | Diversion of public funds | 6.0 | 5 | 6.03 | Effectiveness of anti-monopoly policy | 5.0 | 16 |
| 1.04 | Public trust in politicians | 5.2 | 11 | 6.04 | Extent and effect of taxation | 5.2 | 8 |
| 1.05 | Irregular payments and bribes | 6.2 | 13 | 6.05 | Total tax rate, % profits* | 30.1 | 35 |
| 1.06 | Judicial independence | 6.3 | 6 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 4.9 | 9 | 6.07 | No. days to start a business* | 18 | 76 |
| 1.08 | Wastefulness of government spending | 5.2 | 7 | 6.08 | Agricultural policy costs | 3.5 | 106 |
| 1.09 | Burden of government regulation | 4.3 | 16 | 6.09 | Prevalence of trade barriers | 4.1 | 91 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.7 | 4 | 6.10 | Trade tariffs, % duty* | 3.5 | 47 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.6 | 2 | 6.11 | Prevalence of foreign ownership | 5.6 | 15 |
| 1.12 | Transparency of government policymaking | 5.9 | 5 | 6.12 | Business impact of rules on FDI | 5.2 | 25 |
| 1.13 | Gov't services for improved business performance | 4.5 | 15 | 6.13 | Burden of customs procedures | 5.0 | 21 |
| 1.14 | Business costs of terrorism | 6.1 | 37 | 6.14 | Imports as a percentage of GDP* | 40.0 | 86 |
| 1.15 | Business costs of crime and violence | 6.1 | 7 | 6.15 | Degree of customer orientation | 5.9 | 2 |
| 1.16 | Organized crime | 6.4 | 14 | 6.16 | Buyer sophistication | 5.2 | 2 |
| 1.17 | Reliability of police services | 6.4 | 2 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 6.4 | 5 | 7.01 | Cooperation in labor-employer relations | 6.1 | 1 |
| 1.19 | Strength of auditing and reporting standards | 5.5 | 23 | 7.02 | Flexibility of wage determination | 5.7 | 18 |
| 1.20 | Efficacy of corporate boards | 5.5 | 7 | 7.03 | Hiring and firing practices | 5.6 | 3 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 34 | 7.04 | Redundancy costs, weeks of salary* | 10 | 38 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 5.3 | 4 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.0 | 6 | |
| 2.01 | Quality of overall infrastructure | 6.6 | 1 | 7.07 | Brain drain | 6.3 | 1 |
| 2.02 | Quality of roads | 6.4 | 6 | 7.08 | Women in labor force, ratio to men* | 0.86 | 42 |
| 2.03 | Quality of railroad infrastructure | 6.8 | 1 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.2 | 37 | 8.01 | Availability of financial services | 6.5 | 1 |
| 2.05 | Quality of air transport infrastructure | 6.5 | 5 | 8.02 | Affordability of financial services | 5.6 | 8 |
| 2.06 | Available airline seat kms/week, millions* | 918.8 | 28 | 8.03 | Financing through local equity market | 4.7 | 15 |
| 2.07 | Quality of electricity supply | 6.8 | 4 | 8.04 | Ease of access to loans | 3.7 | 24 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 130.1 | 29 | 8.05 | Venture capital availability | 3.6 | 19 |
| 2.09 | Fixed telephone lines/100 pop.* | 60.8 | 5 | 8.06 | Soundness of banks | 5.9 | 26 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.6 | 10 | |
| 3.01 | Government budget balance, % GDP* | 0.4 | 27 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 34.6 | 16 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 0.2 | 32 | 9.01 | Availability of latest technologies | 6.6 | 2 |
| 3.04 | General government debt, % GDP* | 48.6 | 94 | 9.02 | Firm-level technology absorption | 6.2 | 3 |
| 3.05 | Country credit rating, 0-100 (best)* | 94.1 | 2 | 9.03 | FDI and technology transfer | 5.0 | 36 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 85.2 | 10 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 39.2 | 2 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 167.6 | 5 |
| 4.03 | Business impact of tuberculosis | 6.5 | 18 | 9.07 | Mobile broadband subscriptions/100 pop.* | 36.1 | 30 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 7.6 | 22 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.0 | 27 | 10.01 | Domestic market size index, 1-7 (best)* | 4.3 | 41 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 5.2 | 36 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.1 | 24 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 82.2 | 3 | 11.01 | Local supplier quantity | 5.6 | 8 |
| 4.09 | Quality of primary education | 6.0 | 5 | 11.02 | Local supplier quality | 6.2 | 1 |
| 4.10 | Primary education enrollment, net %* | 93.8 | 67 | 11.03 | State of cluster development | 5.1 | 9 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.4 | 1 | |
| 5.01 | Secondary education enrollment, gross %* | 95.4 | 50 | 11.05 | Value chain breadth | 5.9 | 3 |
| 5.02 | Tertiary education enrollment, gross %* | 54.8 | 43 | 11.06 | Control of international distribution | 5.3 | 4 |
| 5.03 | Quality of the educational system | 6.0 | 1 | 11.07 | Production process sophistication | 6.4 | 2 |
| 5.04 | Quality of math and science education | 5.8 | 5 | 11.08 | Extent of marketing | 5.8 | 4 |
| 5.05 | Quality of management schools | 6.0 | 3 | 11.09 | Willingness to delegate authority | 5.2 | 9 |
| 5.06 | Internet access in schools | 6.2 | 6 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 6.4 | 1 | 12.01 | Capacity for innovation | 5.8 | 2 |
| 5.08 | Extent of staff training | 5.6 | 1 | 12.02 | Quality of scientific research institutions | 6.3 | 2 |
| | | | | 12.03 | Company spending on R&D | 5.9 | 1 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.9 | 1 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.3 | 22 |
| | | | | 12.06 | Availability of scientists and engineers | 5.1 | 14 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 287.2 | 2 |

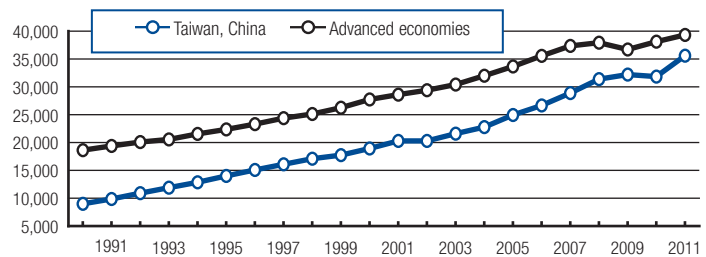
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Taiwan, China

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 23.2 |
| GDP (US\$ billions)..... | 466.8 |
| GDP per capita (US\$)..... | 20,101 |
| GDP (PPP) as share (%) of world total..... | 1.11 |

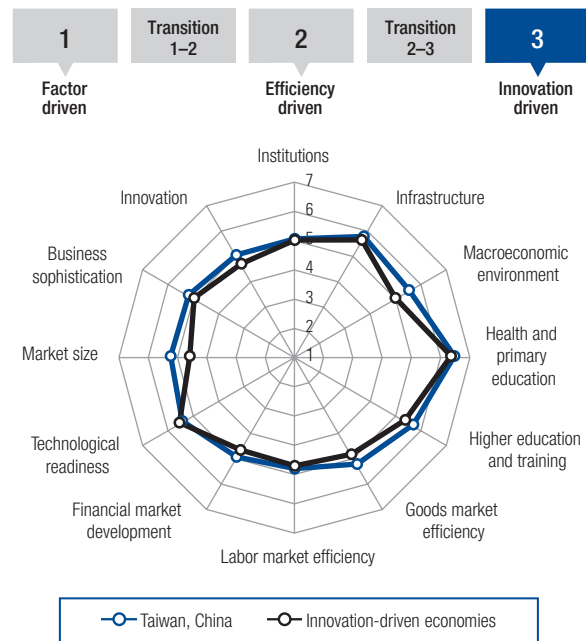
GDP (PPP) per capita (int'l \$), 1990–2011



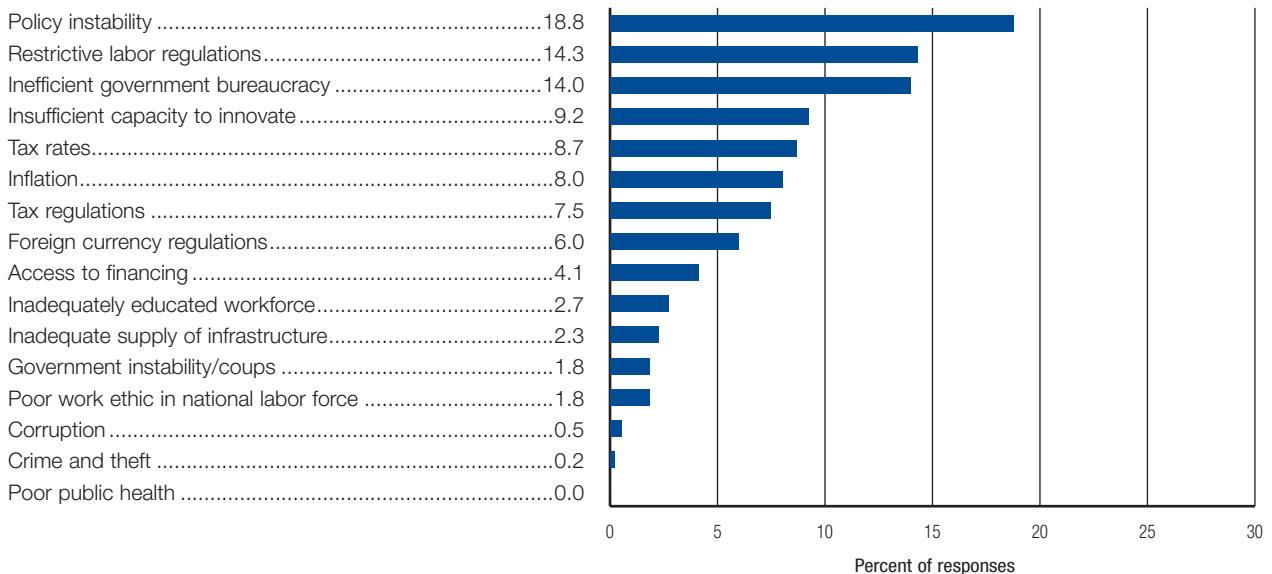
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 13 | 5.3 |
| GCI 2011–2012 (out of 142)..... | 13 | 5.3 |
| GCI 2010–2011 (out of 139)..... | 13 | 5.2 |
| Basic requirements (20.0%) | 17 | 5.7 |
| Institutions..... | 26 | 5.0 |
| Infrastructure..... | 17 | 5.7 |
| Macroeconomic environment..... | 28 | 5.5 |
| Health and primary education..... | 15 | 6.5 |
| Efficiency enhancers (50.0%) | 12 | 5.2 |
| Higher education and training..... | 9 | 5.7 |
| Goods market efficiency..... | 8 | 5.3 |
| Labor market efficiency..... | 22 | 4.8 |
| Financial market development..... | 19 | 5.0 |
| Technological readiness..... | 24 | 5.4 |
| Market size..... | 17 | 5.2 |
| Innovation and sophistication factors (30.0%) | 14 | 5.1 |
| Business sophistication..... | 13 | 5.2 |
| Innovation..... | 14 | 5.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Taiwan, China

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.9 | 12 | 6.01 | Intensity of local competition | 6.0 | 3 |
| 1.02 | Intellectual property protection | 5.2 | 22 | 6.02 | Extent of market dominance | 5.4 | 8 |
| 1.03 | Diversion of public funds | 4.6 | 32 | 6.03 | Effectiveness of anti-monopoly policy | 4.9 | 19 |
| 1.04 | Public trust in politicians | 4.3 | 20 | 6.04 | Extent and effect of taxation | 4.4 | 21 |
| 1.05 | Irregular payments and bribes | 5.1 | 35 | 6.05 | Total tax rate, % profits* | 35.6 | 61 |
| 1.06 | Judicial independence | 4.6 | 42 | 6.06 | No. procedures to start a business* | 3 | 8 |
| 1.07 | Favoritism in decisions of government officials | 4.3 | 18 | 6.07 | No. days to start a business* | 10 | 48 |
| 1.08 | Wastefulness of government spending | 4.0 | 27 | 6.08 | Agricultural policy costs | 4.2 | 38 |
| 1.09 | Burden of government regulation | 4.5 | 10 | 6.09 | Prevalence of trade barriers | 4.5 | 55 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.3 | 40 | 6.10 | Trade tariffs, % duty* | 5.4 | 73 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2 | 36 | 6.11 | Prevalence of foreign ownership | 5.4 | 28 |
| 1.12 | Transparency of government policymaking | 5.6 | 6 | 6.12 | Business impact of rules on FDI | 5.5 | 11 |
| 1.13 | Gov't services for improved business performance | 5.1 | 6 | 6.13 | Burden of customs procedures | 5.2 | 14 |
| 1.14 | Business costs of terrorism | 6.2 | 31 | 6.14 | Imports as a percentage of GDP* | 69.1 | 32 |
| 1.15 | Business costs of crime and violence | 5.8 | 18 | 6.15 | Degree of customer orientation | 5.7 | 6 |
| 1.16 | Organized crime | 5.8 | 43 | 6.16 | Buyer sophistication | 4.7 | 6 |
| 1.17 | Reliability of police services | 5.3 | 32 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.9 | 35 | 7.01 | Cooperation in labor-employer relations | 5.2 | 17 |
| 1.19 | Strength of auditing and reporting standards | 5.4 | 27 | 7.02 | Flexibility of wage determination | 5.5 | 25 |
| 1.20 | Efficacy of corporate boards | 4.9 | 33 | 7.03 | Hiring and firing practices | 3.7 | 86 |
| 1.21 | Protection of minority shareholders' interests | 4.8 | 31 | 7.04 | Redundancy costs, weeks of salary* | 23 | 101 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 5.2 | 5 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.2 | 25 | |
| 2.01 | Quality of overall infrastructure | 5.5 | 27 | 7.07 | Brain drain | 4.5 | 28 |
| 2.02 | Quality of roads | 5.7 | 21 | 7.08 | Women in labor force, ratio to men* | 0.75 | 84 |
| 2.03 | Quality of railroad infrastructure | 5.5 | 11 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.3 | 29 | 8.01 | Availability of financial services | 5.6 | 23 |
| 2.05 | Quality of air transport infrastructure | 5.4 | 44 | 8.02 | Affordability of financial services | 5.9 | 4 |
| 2.06 | Available airline seat kms/week, millions* | 944.7 | 27 | 8.03 | Financing through local equity market | 5.3 | 4 |
| 2.07 | Quality of electricity supply | 6.3 | 28 | 8.04 | Ease of access to loans | 3.9 | 15 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 124.1 | 40 | 8.05 | Venture capital availability | 4.1 | 9 |
| 2.09 | Fixed telephone lines/100 pop.* | 72.7 | 1 | 8.06 | Soundness of banks | 5.4 | 62 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.5 | 13 | |
| 3.01 | Government budget balance, % GDP* | -4.3 | 100 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 30.1 | 24 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 1.4 | 1 | 9.01 | Availability of latest technologies | 5.6 | 40 |
| 3.04 | General government debt, % GDP* | 40.8 | 75 | 9.02 | Firm-level technology absorption | 5.8 | 19 |
| 3.05 | Country credit rating, 0-100 (best)* | 79.7 | 21 | 9.03 | FDI and technology transfer | 5.1 | 28 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 72.0 | 29 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 23.7 | 26 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 34.6 | 40 |
| 4.03 | Business impact of tuberculosis | 5.7 | 52 | 9.07 | Mobile broadband subscriptions/100 pop.* | 42.7 | 22 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 75.0 | 83 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 32 | 10.01 | Domestic market size index, 1-7 (best)* | 5.0 | 19 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 53 | 10.02 | Foreign market size index, 1-7 (best)* | 6.0 | 10 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.2 | 26 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 79.2 | 29 | 11.01 | Local supplier quantity | 5.7 | 3 |
| 4.09 | Quality of primary education | 5.5 | 13 | 11.02 | Local supplier quality | 5.6 | 10 |
| 4.10 | Primary education enrollment, net %* | 97.9 | 30 | 11.03 | State of cluster development | 5.5 | 1 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.1 | 19 | |
| 5.01 | Secondary education enrollment, gross %* | 100.0 | 33 | 11.05 | Value chain breadth | 5.0 | 19 |
| 5.02 | Tertiary education enrollment, gross %* | 83.4 | 7 | 11.06 | Control of international distribution | 4.6 | 22 |
| 5.03 | Quality of the educational system | 4.8 | 24 | 11.07 | Production process sophistication | 5.3 | 20 |
| 5.04 | Quality of math and science education | 5.6 | 6 | 11.08 | Extent of marketing | 5.3 | 21 |
| 5.05 | Quality of management schools | 5.0 | 29 | 11.09 | Willingness to delegate authority | 4.4 | 30 |
| 5.06 | Internet access in schools | 6.1 | 9 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.2 | 20 | 12.01 | Capacity for innovation | 4.7 | 15 |
| 5.08 | Extent of staff training | 4.6 | 31 | 12.02 | Quality of scientific research institutions | 5.2 | 19 |
| | | | | 12.03 | Company spending on R&D | 4.9 | 10 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.2 | 12 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.6 | 9 |
| | | | | 12.06 | Availability of scientists and engineers | 5.3 | 7 |
| | | | | 12.07 | PCT patents, applications/million pop.* | n/a | n/a |

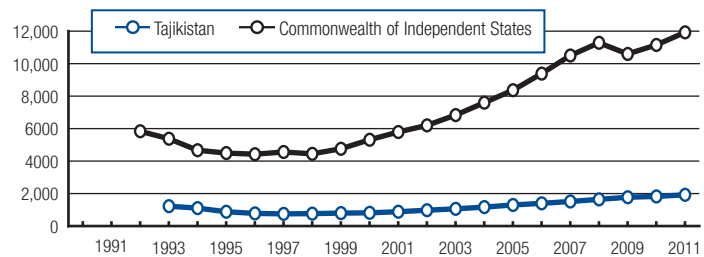
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Tajikistan

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 7.0 |
| GDP (US\$ billions)..... | 6.5 |
| GDP per capita (US\$)..... | 831 |
| GDP (PPP) as share (%) of world total..... | 0.02 |

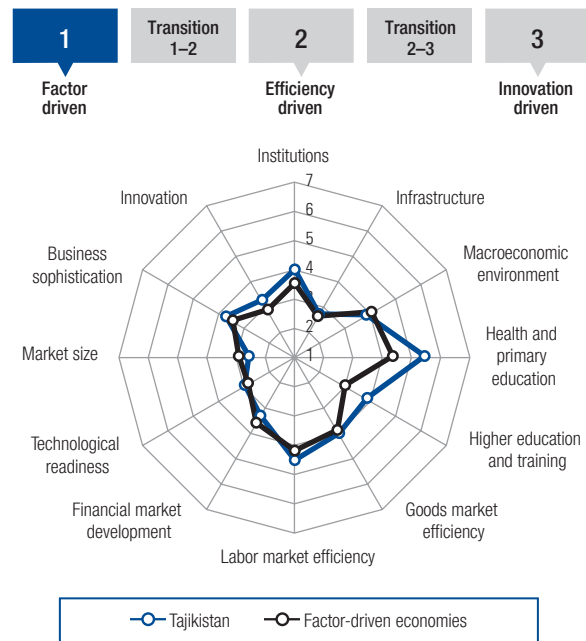
GDP (PPP) per capita (int'l \$), 1990–2011



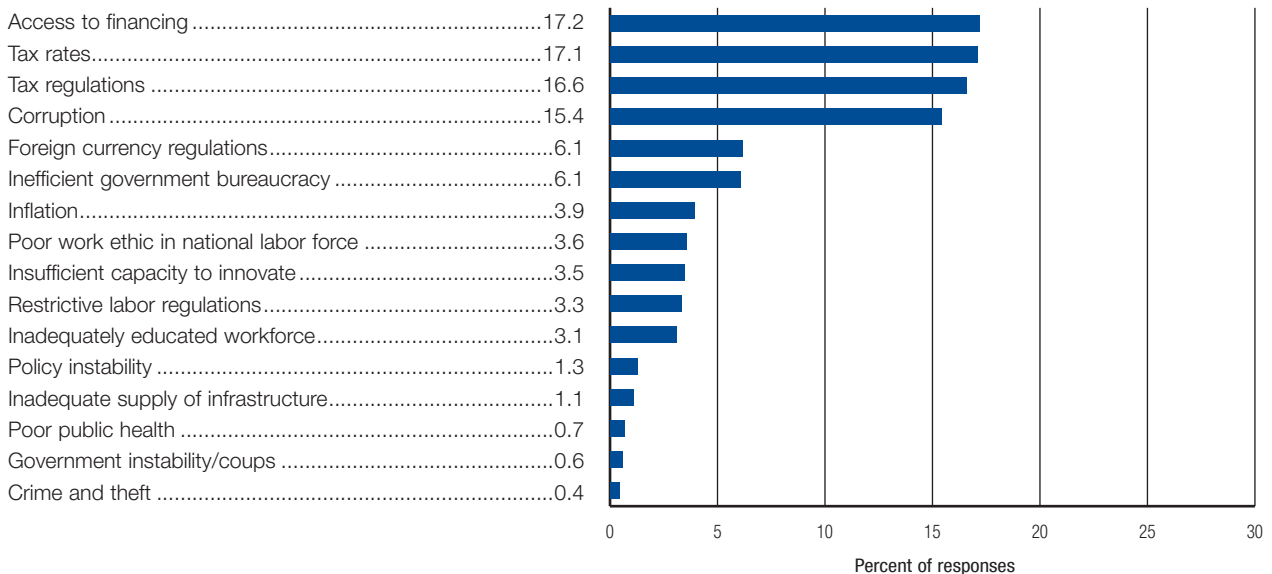
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 100 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 105 | 3.8 |
| GCI 2010–2011 (out of 139)..... | 116 | 3.5 |
| Basic requirements (60.0%) | 105 | 4.0 |
| Institutions..... | 65 | 4.0 |
| Infrastructure..... | 118 | 2.7 |
| Macroeconomic environment..... | 120 | 3.8 |
| Health and primary education..... | 87 | 5.4 |
| Efficiency enhancers (35.0%) | 112 | 3.6 |
| Higher education and training..... | 90 | 3.9 |
| Goods market efficiency..... | 96 | 4.0 |
| Labor market efficiency..... | 46 | 4.6 |
| Financial market development..... | 124 | 3.3 |
| Technological readiness..... | 114 | 3.0 |
| Market size..... | 119 | 2.6 |
| Innovation and sophistication factors (5.0%) | 76 | 3.5 |
| Business sophistication..... | 90 | 3.7 |
| Innovation..... | 66 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Tajikistan

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|----------------------|---|---|---------------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 3.8 94 | 6.01 | Intensity of local competition | 4.2 107 |
| 1.02 | Intellectual property protection | 3.5 74 | 6.02 | Extent of market dominance | 3.9 54 |
| 1.03 | Diversion of public funds | 3.3 66 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 85 |
| 1.04 | Public trust in politicians | 3.8 32 | 6.04 | Extent and effect of taxation | 3.7 54 |
| 1.05 | Irregular payments and bribes | 3.4 101 | 6.05 | Total tax rate, % profits* | 84.5 138 |
| 1.06 | Judicial independence | 3.9 64 | 6.06 | No. procedures to start a business* | 5 29 |
| 1.07 | Favoritism in decisions of government officials | 3.7 40 | 6.07 | No. days to start a business* | 24 90 |
| 1.08 | Wastefulness of government spending | 3.7 42 | 6.08 | Agricultural policy costs | 4.1 52 |
| 1.09 | Burden of government regulation | 4.2 22 | 6.09 | Prevalence of trade barriers | 4.0 100 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.0 53 | 6.10 | Trade tariffs, % duty* | 5.0 67 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.1 43 | 6.11 | Prevalence of foreign ownership | 3.6 125 |
| 1.12 | Transparency of government policymaking | 4.3 68 | 6.12 | Business impact of rules on FDI | 4.0 109 |
| 1.13 | Gov't services for improved business performance | 4.4 23 | 6.13 | Burden of customs procedures | 3.7 91 |
| 1.14 | Business costs of terrorism | 5.0 109 | 6.14 | Imports as a percentage of GDP* | 54.0 55 |
| 1.15 | Business costs of crime and violence | 4.8 75 | 6.15 | Degree of customer orientation | 4.3 102 |
| 1.16 | Organized crime | 5.0 83 | 6.16 | Buyer sophistication | 3.8 44 |
| 1.17 | Reliability of police services | 4.0 76 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 3.8 78 | 7.01 | Cooperation in labor-employer relations | 4.3 64 |
| 1.19 | Strength of auditing and reporting standards | 3.7 125 | 7.02 | Flexibility of wage determination | 5.4 36 |
| 1.20 | Efficacy of corporate boards | 4.3 92 | 7.03 | Hiring and firing practices | 4.2 51 |
| 1.21 | Protection of minority shareholders' interests | 3.9 90 | 7.04 | Redundancy costs, weeks of salary* | 16 72 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 52 | 7.05 | Pay and productivity | 4.6 19 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.4 130 |
| 2.01 | Quality of overall infrastructure | 3.7 90 | 7.07 | Brain drain | 3.5 61 |
| 2.02 | Quality of roads | 3.2 98 | 7.08 | Women in labor force, ratio to men* | 0.78 76 |
| 2.03 | Quality of railroad infrastructure | 3.5 43 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 1.7 143 | 8.01 | Availability of financial services | 3.9 103 |
| 2.05 | Quality of air transport infrastructure | 4.2 88 | 8.02 | Affordability of financial services | 3.9 88 |
| 2.06 | Available airline seat kms/week, millions* | 69.4 87 | 8.03 | Financing through local equity market | 3.1 88 |
| 2.07 | Quality of electricity supply | 2.3 124 | 8.04 | Ease of access to loans | 3.1 49 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 90.6 96 | 8.05 | Venture capital availability | 2.9 50 |
| 2.09 | Fixed telephone lines/100 pop.* | 5.4 107 | 8.06 | Soundness of banks | 4.6 100 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.2 123 |
| 3.01 | Government budget balance, % GDP* | -2.1 55 | 8.08 | Legal rights index, 0-10 (best)* | 2 135 |
| 3.02 | Gross national savings, % GDP* | 13.2 111 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 12.4 130 | 9.01 | Availability of latest technologies | 4.7 84 |
| 3.04 | General government debt, % GDP* | 35.3 59 | 9.02 | Firm-level technology absorption | 4.4 95 |
| 3.05 | Country credit rating, 0-100 (best)* | 17.9 134 | 9.03 | FDI and technology transfer | 4.2 100 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 13.0 111 |
| 4.01 | Business impact of malaria | 4.4 112 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 123 |
| 4.02 | Malaria cases/100,000 pop.* | 3.8 83 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.5 137 |
| 4.03 | Business impact of tuberculosis | 4.1 123 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.6 114 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 206.0 116 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 4.5 108 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 113 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 54 | 10.02 | Foreign market size index, 1-7 (best)* | 2.9 122 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 52.2 116 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 67.3 106 | 11.01 | Local supplier quantity | 4.5 88 |
| 4.09 | Quality of primary education | 3.5 85 | 11.02 | Local supplier quality | 4.4 75 |
| 4.10 | Primary education enrollment, net %* | 97.3 37 | 11.03 | State of cluster development | 2.7 134 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 68 |
| 5.01 | Secondary education enrollment, gross %* | 87.2 77 | 11.05 | Value chain breadth | 3.5 77 |
| 5.02 | Tertiary education enrollment, gross %* | 19.7 89 | 11.06 | Control of international distribution | 4.0 71 |
| 5.03 | Quality of the educational system | 3.7 67 | 11.07 | Production process sophistication | 3.6 72 |
| 5.04 | Quality of math and science education | 3.7 91 | 11.08 | Extent of marketing | 3.8 92 |
| 5.05 | Quality of management schools | 3.4 119 | 11.09 | Willingness to delegate authority | 3.6 82 |
| 5.06 | Internet access in schools | 3.6 94 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 3.8 88 | 12.01 | Capacity for innovation | 3.4 51 |
| 5.08 | Extent of staff training | 3.8 79 | 12.02 | Quality of scientific research institutions | 3.5 76 |
| | | | 12.03 | Company spending on R&D | 3.2 65 |
| | | | 12.04 | University-industry collaboration in R&D | 3.4 83 |
| | | | 12.05 | Gov't procurement of advanced tech products | 4.1 26 |
| | | | 12.06 | Availability of scientists and engineers | 3.8 83 |
| | | | 12.07 | PCT patents, applications/million pop.* | 0.0 119 |

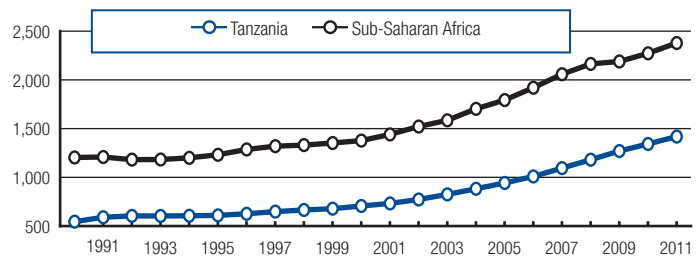
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Tanzania

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 46.4 |
| GDP (US\$ billions)..... | 23.3 |
| GDP per capita (US\$)..... | 553 |
| GDP (PPP) as share (%) of world total..... | 0.08 |

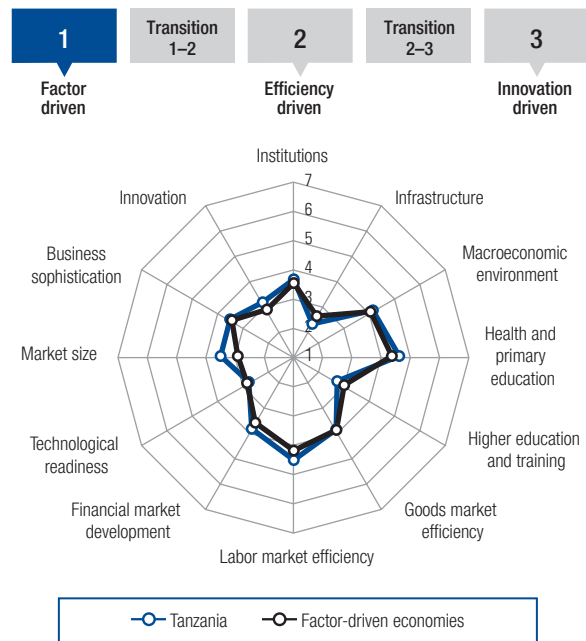
GDP (PPP) per capita (int'l \$), 1990–2011



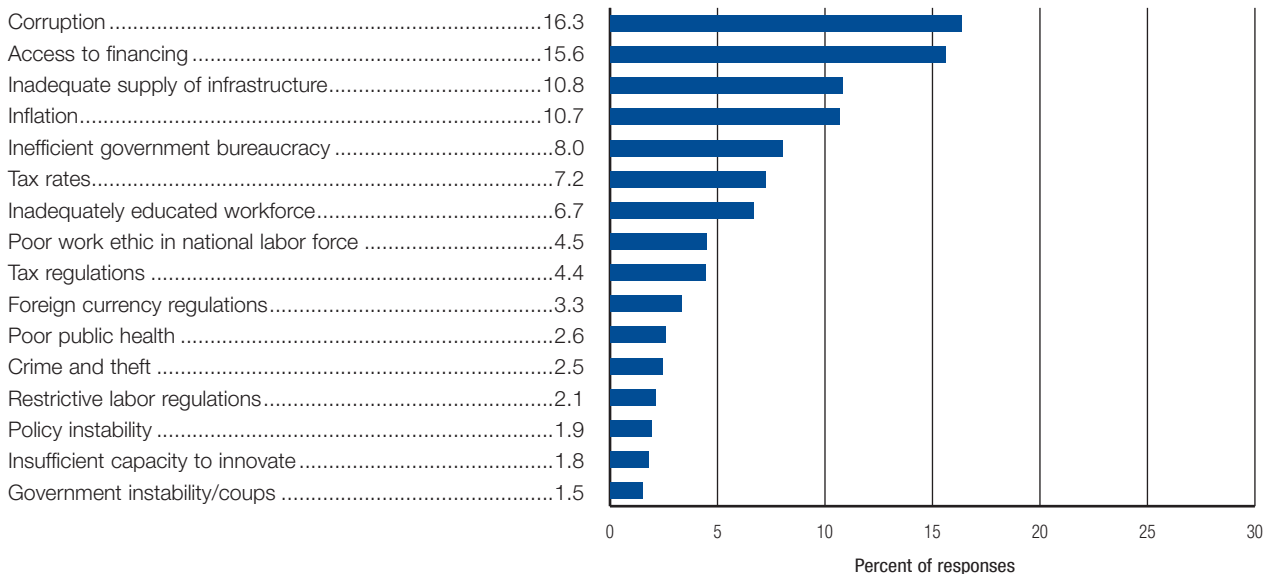
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 120 | 3.6 |
| GCI 2011–2012 (out of 142)..... | 120 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 113 | 3.6 |
| Basic requirements (60.0%) | 122 | 3.7 |
| Institutions..... | 86 | 3.6 |
| Infrastructure..... | 132 | 2.3 |
| Macroeconomic environment..... | 107 | 4.1 |
| Health and primary education..... | 113 | 4.6 |
| Efficiency enhancers (35.0%) | 113 | 3.6 |
| Higher education and training..... | 132 | 2.7 |
| Goods market efficiency..... | 110 | 3.9 |
| Labor market efficiency..... | 47 | 4.6 |
| Financial market development..... | 85 | 3.9 |
| Technological readiness..... | 122 | 2.8 |
| Market size..... | 77 | 3.5 |
| Innovation and sophistication factors (5.0%) | 92 | 3.3 |
| Business sophistication..... | 106 | 3.5 |
| Innovation..... | 75 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.6 | 106 | 6.01 | Intensity of local competition | 4.2 | 109 |
| 1.02 | Intellectual property protection | 3.1 | 97 | 6.02 | Extent of market dominance | 3.3 | 104 |
| 1.03 | Diversion of public funds | 3.0 | 78 | 6.03 | Effectiveness of anti-monopoly policy | 4.1 | 62 |
| 1.04 | Public trust in politicians | 2.8 | 66 | 6.04 | Extent and effect of taxation | 3.3 | 94 |
| 1.05 | Irregular payments and bribes | 3.1 | 116 | 6.05 | Total tax rate, % profits* | 45.5 | 97 |
| 1.06 | Judicial independence | 3.5 | 77 | 6.06 | No. procedures to start a business* | 12 | 121 |
| 1.07 | Favoritism in decisions of government officials | 3.3 | 56 | 6.07 | No. days to start a business* | 29 | 99 |
| 1.08 | Wastefulness of government spending | 3.1 | 82 | 6.08 | Agricultural policy costs | 3.8 | 82 |
| 1.09 | Burden of government regulation | 3.5 | 58 | 6.09 | Prevalence of trade barriers | 3.7 | 122 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.7 | 68 | 6.10 | Trade tariffs, % duty* | 9.6 | 103 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.6 | 70 | 6.11 | Prevalence of foreign ownership | 4.3 | 96 |
| 1.12 | Transparency of government policymaking | 4.0 | 93 | 6.12 | Business impact of rules on FDI | 4.8 | 50 |
| 1.13 | Gov't services for improved business performance | 3.6 | 72 | 6.13 | Burden of customs procedures | 3.4 | 113 |
| 1.14 | Business costs of terrorism | 4.6 | 120 | 6.14 | Imports as a percentage of GDP* | 54.8 | 53 |
| 1.15 | Business costs of crime and violence | 4.5 | 87 | 6.15 | Degree of customer orientation | 4.4 | 97 |
| 1.16 | Organized crime | 4.8 | 93 | 6.16 | Buyer sophistication | 2.8 | 118 |
| 1.17 | Reliability of police services | 3.6 | 102 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 109 | 7.01 | Cooperation in labor-employer relations | 4.0 | 101 |
| 1.19 | Strength of auditing and reporting standards | 3.9 | 114 | 7.02 | Flexibility of wage determination | 4.4 | 109 |
| 1.20 | Efficacy of corporate boards | 4.4 | 78 | 7.03 | Hiring and firing practices | 4.0 | 70 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 94 | 7.04 | Redundancy costs, weeks of salary* | 9 | 33 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 3.6 | 103 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.1 | 77 | |
| 2.01 | Quality of overall infrastructure | 3.1 | 124 | 7.07 | Brain drain | 3.1 | 94 |
| 2.02 | Quality of roads | 3.2 | 94 | 7.08 | Women in labor force, ratio to men* | 0.99 | 5 |
| 2.03 | Quality of railroad infrastructure | 3.3 | 82 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.3 | 117 | 8.01 | Availability of financial services | 3.9 | 102 |
| 2.05 | Quality of air transport infrastructure | 3.5 | 117 | 8.02 | Affordability of financial services | 3.6 | 106 |
| 2.06 | Available airline seat kms/week, millions* | 80.2 | 83 | 8.03 | Financing through local equity market | 3.4 | 74 |
| 2.07 | Quality of electricity supply | 1.9 | 132 | 8.04 | Ease of access to loans | 2.4 | 100 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 55.5 | 126 | 8.05 | Venture capital availability | 2.4 | 80 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.3 | 139 | 8.06 | Soundness of banks | 4.4 | 114 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.6 | 107 | |
| 3.01 | Government budget balance, % GDP* | -6.0 | 121 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 23.0 | 57 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 7.0 | 100 | 9.01 | Availability of latest technologies | 4.1 | 122 |
| 3.04 | General government debt, % GDP* | 44.4 | 84 | 9.02 | Firm-level technology absorption | 3.9 | 129 |
| 3.05 | Country credit rating, 0-100 (best)* | 30.3 | 104 | 9.03 | FDI and technology transfer | 4.7 | 66 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 12.0 | 113 | |
| 4.01 | Business impact of malaria | 2.5 | 140 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 137 |
| 4.02 | Malaria cases/100,000 pop.* | 26,132.8 | 128 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.9 | 133 |
| 4.03 | Business impact of tuberculosis | 3.5 | 133 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.2 | 109 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 177.0 | 110 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.2 | 131 | 10.01 | Domestic market size index, 1-7 (best)* | 3.4 | 73 |
| 4.06 | HIV prevalence, % adult pop.* | 5.6 | 133 | 10.02 | Foreign market size index, 1-7 (best)* | 3.9 | 83 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 60.2 | 125 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 57.4 | 122 | 11.01 | Local supplier quantity | 4.2 | 114 |
| 4.09 | Quality of primary education | 3.0 | 114 | 11.02 | Local supplier quality | 3.7 | 125 |
| 4.10 | Primary education enrollment, net %* | 98.0 | 27 | 11.03 | State of cluster development | 3.3 | 95 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 103 | |
| 5.01 | Secondary education enrollment, gross %* | 27.4 | 137 | 11.05 | Value chain breadth | 3.4 | 89 |
| 5.02 | Tertiary education enrollment, gross %* | 2.1 | 137 | 11.06 | Control of international distribution | 3.8 | 92 |
| 5.03 | Quality of the educational system | 3.5 | 80 | 11.07 | Production process sophistication | 3.0 | 117 |
| 5.04 | Quality of math and science education | 2.8 | 122 | 11.08 | Extent of marketing | 3.1 | 122 |
| 5.05 | Quality of management schools | 3.4 | 118 | 11.09 | Willingness to delegate authority | 3.7 | 67 |
| 5.06 | Internet access in schools | 2.8 | 120 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.6 | 103 | 12.01 | Capacity for innovation | 3.1 | 71 |
| 5.08 | Extent of staff training | 3.8 | 77 | 12.02 | Quality of scientific research institutions | 3.6 | 71 |
| | | | | 12.03 | Company spending on R&D | 3.3 | 55 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 56 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.5 | 73 |
| | | | | 12.06 | Availability of scientists and engineers | 3.6 | 105 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 117 |

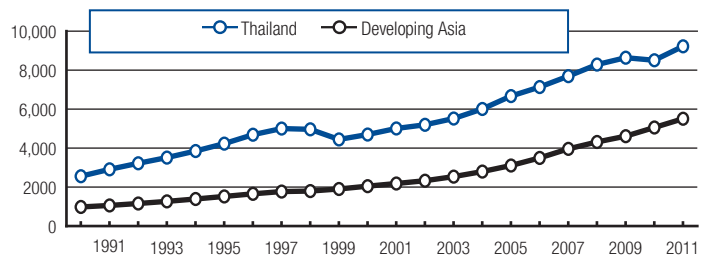
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Thailand

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 70.7 |
| GDP (US\$ billions)..... | 345.6 |
| GDP per capita (US\$)..... | 5,394 |
| GDP (PPP) as share (%) of world total..... | 0.76 |

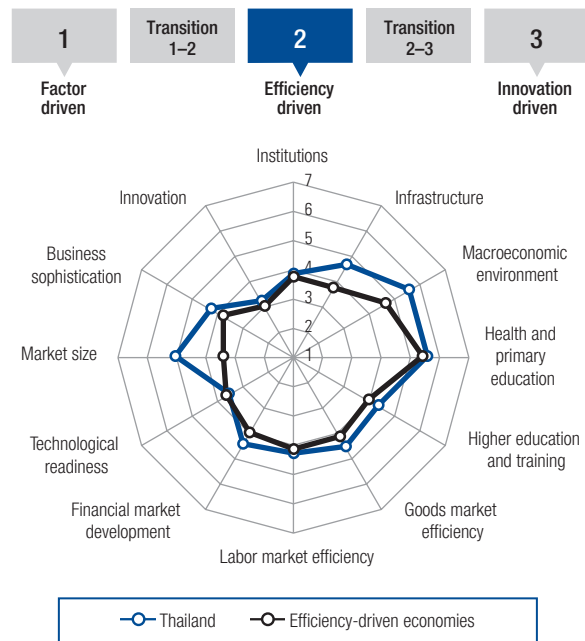
GDP (PPP) per capita (int'l \$), 1990–2011



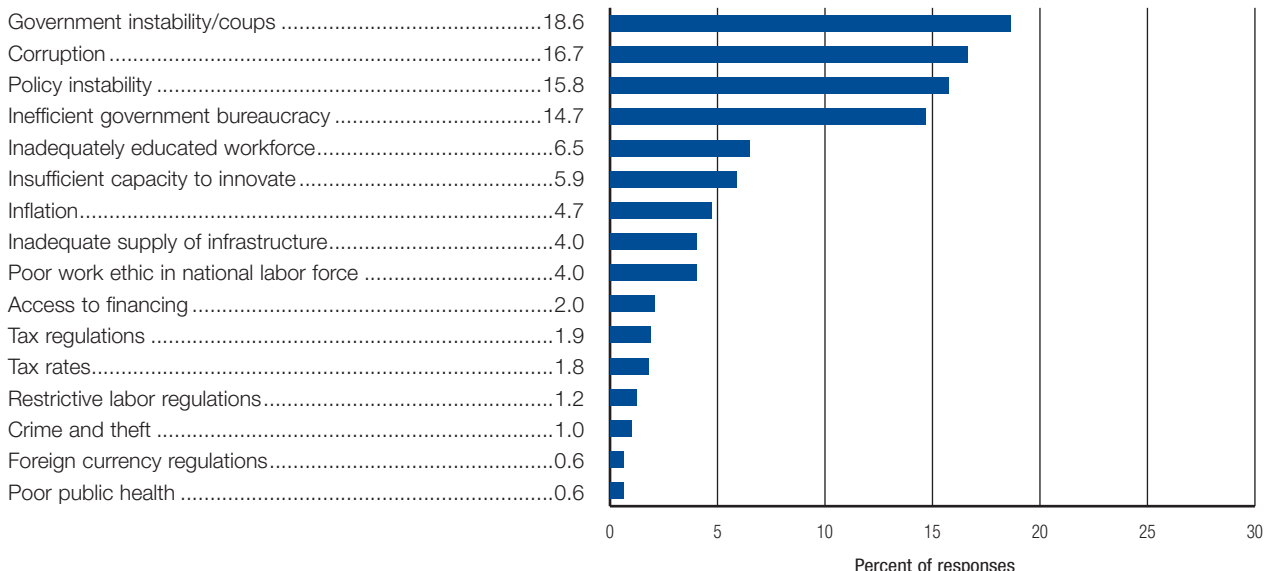
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 38 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 39 | 4.5 |
| GCI 2010–2011 (out of 139)..... | 38 | 4.5 |
| Basic requirements (40.0%) | 45 | 4.9 |
| Institutions..... | 77 | 3.8 |
| Infrastructure..... | 46 | 4.6 |
| Macroeconomic environment..... | 27 | 5.5 |
| Health and primary education..... | 78 | 5.6 |
| Efficiency enhancers (50.0%) | 47 | 4.4 |
| Higher education and training..... | 60 | 4.3 |
| Goods market efficiency..... | 37 | 4.6 |
| Labor market efficiency..... | 76 | 4.3 |
| Financial market development..... | 43 | 4.5 |
| Technological readiness..... | 84 | 3.6 |
| Market size..... | 22 | 5.0 |
| Innovation and sophistication factors (10.0%) | 55 | 3.7 |
| Business sophistication..... | 46 | 4.3 |
| Innovation..... | 68 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Thailand

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.7 | 103 | 6.01 | Intensity of local competition | 5.0 | 54 |
| 1.02 | Intellectual property protection | 3.1 | 101 | 6.02 | Extent of market dominance | 3.6 | 79 |
| 1.03 | Diversion of public funds | 3.0 | 82 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 80 |
| 1.04 | Public trust in politicians | 2.2 | 107 | 6.04 | Extent and effect of taxation | 3.6 | 55 |
| 1.05 | Irregular payments and bribes | 3.7 | 80 | 6.05 | Total tax rate, % profits* | 37.5 | 68 |
| 1.06 | Judicial independence | 4.0 | 59 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 2.8 | 86 | 6.07 | No. days to start a business* | 29 | 99 |
| 1.08 | Wastefulness of government spending | 3.2 | 70 | 6.08 | Agricultural policy costs | 3.3 | 116 |
| 1.09 | Burden of government regulation | 3.4 | 75 | 6.09 | Prevalence of trade barriers | 4.3 | 71 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 65 | 6.10 | Trade tariffs, % duty* | 6.4 | 78 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.6 | 73 | 6.11 | Prevalence of foreign ownership | 4.8 | 65 |
| 1.12 | Transparency of government policymaking | 4.0 | 89 | 6.12 | Business impact of rules on FDI | 5.3 | 20 |
| 1.13 | Gov't services for improved business performance | 3.8 | 58 | 6.13 | Burden of customs procedures | 3.8 | 86 |
| 1.14 | Business costs of terrorism | 4.8 | 115 | 6.14 | Imports as a percentage of GDP* | 80.7 | 25 |
| 1.15 | Business costs of crime and violence | 4.8 | 77 | 6.15 | Degree of customer orientation | 5.4 | 21 |
| 1.16 | Organized crime | 5.2 | 76 | 6.16 | Buyer sophistication | 3.9 | 37 |
| 1.17 | Reliability of police services | 3.6 | 101 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.9 | 68 | 7.01 | Cooperation in labor-employer relations | 4.7 | 41 |
| 1.19 | Strength of auditing and reporting standards | 4.9 | 53 | 7.02 | Flexibility of wage determination | 4.7 | 97 |
| 1.20 | Efficacy of corporate boards | 4.5 | 68 | 7.03 | Hiring and firing practices | 4.3 | 41 |
| 1.21 | Protection of minority shareholders' interests | 4.4 | 53 | 7.04 | Redundancy costs, weeks of salary* | 36 | 130 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 7.7 | 13 | 7.05 | Pay and productivity | 4.5 | 27 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 71 | |
| 2.01 | Quality of overall infrastructure | 4.9 | 49 | 7.07 | Brain drain | 4.1 | 36 |
| 2.02 | Quality of roads | 5.0 | 39 | 7.08 | Women in labor force, ratio to men* | 0.82 | 62 |
| 2.03 | Quality of railroad infrastructure | 2.6 | 65 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.6 | 56 | 8.01 | Availability of financial services | 5.1 | 40 |
| 2.05 | Quality of air transport infrastructure | 5.7 | 33 | 8.02 | Affordability of financial services | 4.8 | 35 |
| 2.06 | Available airline seat kms/week, millions* | 2,286.1 | 17 | 8.03 | Financing through local equity market | 4.4 | 27 |
| 2.07 | Quality of electricity supply | 5.5 | 44 | 8.04 | Ease of access to loans | 3.6 | 28 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 113.2 | 57 | 8.05 | Venture capital availability | 2.9 | 49 |
| 2.09 | Fixed telephone lines/100 pop.* | 9.7 | 95 | 8.06 | Soundness of banks | 5.6 | 45 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.7 | 43 | |
| 3.01 | Government budget balance, % GDP* | -1.9 | 52 | 8.08 | Legal rights index, 0-10 (best)* | 5 | 89 |
| 3.02 | Gross national savings, % GDP* | 30.0 | 25 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.8 | 53 | 9.01 | Availability of latest technologies | 4.9 | 73 |
| 3.04 | General government debt, % GDP* | 41.7 | 77 | 9.02 | Firm-level technology absorption | 5.0 | 54 |
| 3.05 | Country credit rating, 0-100 (best)* | 63.2 | 45 | 9.03 | FDI and technology transfer | 4.9 | 47 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 23.7 | 94 | |
| 4.01 | Business impact of malaria | 5.9 | 84 | 9.05 | Broadband Internet subscriptions/100 pop.* | 5.4 | 73 |
| 4.02 | Malaria cases/100,000 pop.* | 260.7 | 103 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 10.6 | 84 |
| 4.03 | Business impact of tuberculosis | 5.3 | 73 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 137.0 | 103 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.6 | 103 | 10.01 | Domestic market size index, 1-7 (best)* | 4.8 | 23 |
| 4.06 | HIV prevalence, % adult pop.* | 1.3 | 114 | 10.02 | Foreign market size index, 1-7 (best)* | 5.8 | 16 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 11.2 | 57 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.9 | 62 | 11.01 | Local supplier quantity | 5.2 | 25 |
| 4.09 | Quality of primary education | 3.5 | 82 | 11.02 | Local supplier quality | 4.9 | 39 |
| 4.10 | Primary education enrollment, net %* | 89.7 | 97 | 11.03 | State of cluster development | 4.2 | 34 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 63 | |
| 5.01 | Secondary education enrollment, gross %* | 79.2 | 92 | 11.05 | Value chain breadth | 4.2 | 33 |
| 5.02 | Tertiary education enrollment, gross %* | 47.7 | 54 | 11.06 | Control of international distribution | 4.2 | 56 |
| 5.03 | Quality of the educational system | 3.5 | 78 | 11.07 | Production process sophistication | 3.9 | 55 |
| 5.04 | Quality of math and science education | 4.1 | 61 | 11.08 | Extent of marketing | 4.3 | 54 |
| 5.05 | Quality of management schools | 4.3 | 62 | 11.09 | Willingness to delegate authority | 3.7 | 68 |
| 5.06 | Internet access in schools | 4.3 | 63 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.2 | 66 | 12.01 | Capacity for innovation | 3.0 | 79 |
| 5.08 | Extent of staff training | 4.2 | 49 | 12.02 | Quality of scientific research institutions | 3.7 | 60 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 74 |
| | | | | 12.04 | University-industry collaboration in R&D | 4.0 | 46 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 98 |
| | | | | 12.06 | Availability of scientists and engineers | 4.3 | 57 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.6 | 72 |

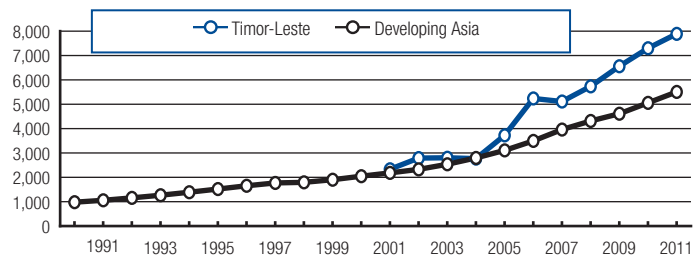
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Timor-Leste

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 1.2 |
| GDP (US\$ billions)..... | 4.3 |
| GDP per capita (US\$)..... | 3,949 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

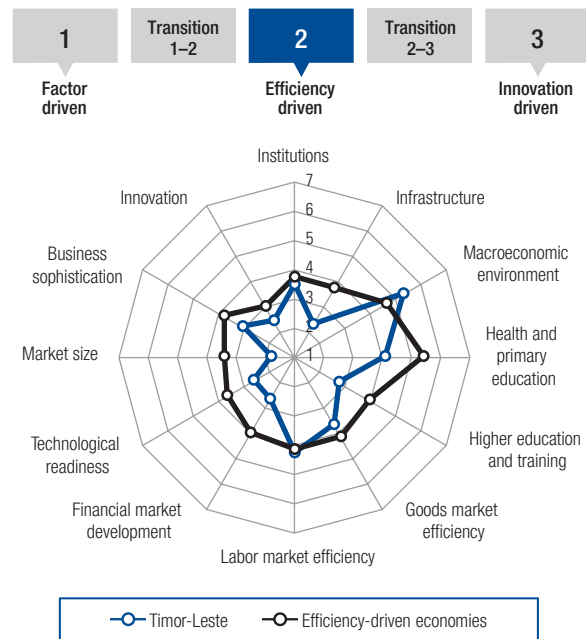
GDP (PPP) per capita (int'l \$), 1990–2011



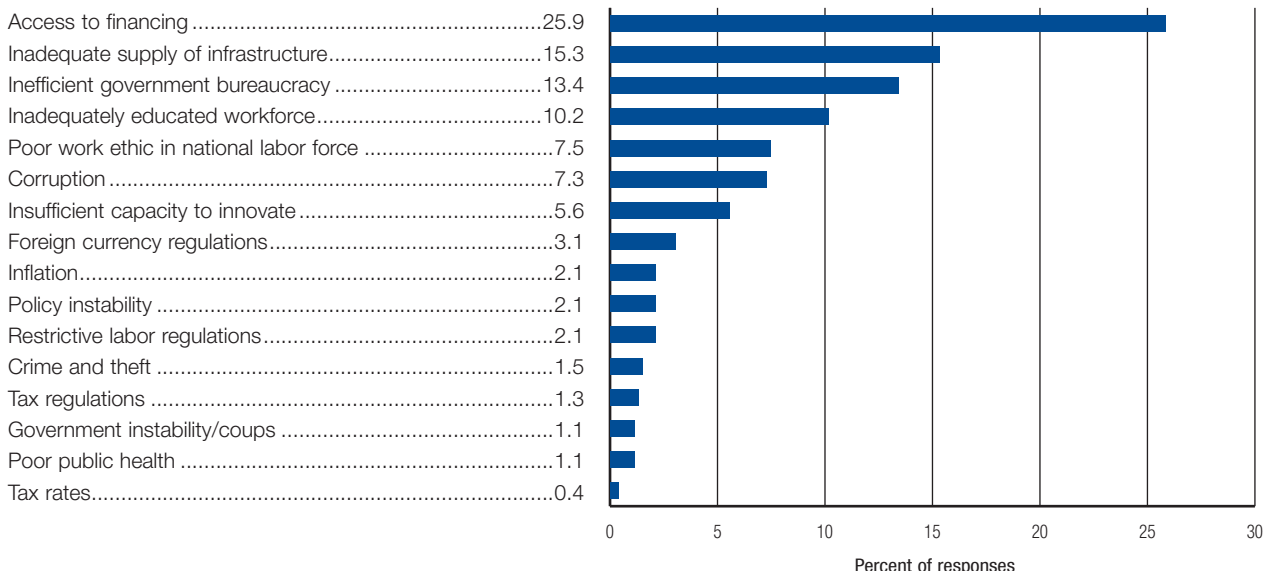
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 136 | 3.3 |
| GCI 2011–2012 (out of 142)..... | 131 | 3.4 |
| GCI 2010–2011 (out of 139)..... | 133 | 3.2 |
| Basic requirements (40.0%) | 117 | 3.8 |
| Institutions..... | 103 | 3.5 |
| Infrastructure..... | 131 | 2.3 |
| Macroeconomic environment..... | 38 | 5.3 |
| Health and primary education..... | 131 | 4.1 |
| Efficiency enhancers (50.0%) | 138 | 3.0 |
| Higher education and training..... | 131 | 2.8 |
| Goods market efficiency..... | 130 | 3.7 |
| Labor market efficiency..... | 78 | 4.3 |
| Financial market development..... | 139 | 2.7 |
| Technological readiness..... | 131 | 2.6 |
| Market size..... | 137 | 1.8 |
| Innovation and sophistication factors (10.0%) | 136 | 2.7 |
| Business sophistication..... | 137 | 3.0 |
| Innovation..... | 134 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Timor-Leste

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.6 | 136 | 6.01 | Intensity of local competition | 3.4 | 141 |
| 1.02 | Intellectual property protection | 2.9 | 108 | 6.02 | Extent of market dominance | 3.1 | 126 |
| 1.03 | Diversion of public funds | 3.0 | 80 | 6.03 | Effectiveness of anti-monopoly policy | 3.8 | 88 |
| 1.04 | Public trust in politicians | 3.1 | 56 | 6.04 | Extent and effect of taxation | 4.5 | 19 |
| 1.05 | Irregular payments and bribes | 3.6 | 89 | 6.05 | Total tax rate, % profits* | 0.2 | 1 |
| 1.06 | Judicial independence | 3.2 | 92 | 6.06 | No. procedures to start a business* | 10 | 110 |
| 1.07 | Favoritism in decisions of government officials | 3.1 | 62 | 6.07 | No. days to start a business* | 103 | 137 |
| 1.08 | Wastefulness of government spending | 3.4 | 59 | 6.08 | Agricultural policy costs | 3.7 | 91 |
| 1.09 | Burden of government regulation | 3.5 | 57 | 6.09 | Prevalence of trade barriers | 3.9 | 109 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.3 | 96 | 6.10 | Trade tariffs, % duty* | 2.5 | 40 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.4 | 83 | 6.11 | Prevalence of foreign ownership | 4.1 | 108 |
| 1.12 | Transparency of government policymaking | 3.7 | 119 | 6.12 | Business impact of rules on FDI | 4.2 | 102 |
| 1.13 | Gov't services for improved business performance | 3.9 | 54 | 6.13 | Burden of customs procedures | 3.3 | 122 |
| 1.14 | Business costs of terrorism | 5.9 | 48 | 6.14 | Imports as a percentage of GDP* | 24.8 | 130 |
| 1.15 | Business costs of crime and violence | 4.6 | 84 | 6.15 | Degree of customer orientation | 3.8 | 124 |
| 1.16 | Organized crime | 5.3 | 64 | 6.16 | Buyer sophistication | 2.4 | 129 |
| 1.17 | Reliability of police services | 4.0 | 83 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.1 | 129 | 7.01 | Cooperation in labor-employer relations | 4.1 | 98 |
| 1.19 | Strength of auditing and reporting standards | 3.1 | 140 | 7.02 | Flexibility of wage determination | 4.3 | 116 |
| 1.20 | Efficacy of corporate boards | 3.8 | 137 | 7.03 | Hiring and firing practices | 4.0 | 63 |
| 1.21 | Protection of minority shareholders' interests | 3.1 | 133 | 7.04 | Redundancy costs, weeks of salary* | 4 | 8 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.6 | 96 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.0 | 138 | |
| 2.01 | Quality of overall infrastructure | 2.7 | 138 | 7.07 | Brain drain | 3.3 | 87 |
| 2.02 | Quality of roads | 2.2 | 139 | 7.08 | Women in labor force, ratio to men* | 0.71 | 96 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.7 | 132 | 8.01 | Availability of financial services | 2.7 | 142 |
| 2.05 | Quality of air transport infrastructure | 2.9 | 137 | 8.02 | Affordability of financial services | 2.8 | 138 |
| 2.06 | Available airline seat kms/week, millions* | 11.2 | 131 | 8.03 | Financing through local equity market | 2.2 | 130 |
| 2.07 | Quality of electricity supply | 2.9 | 118 | 8.04 | Ease of access to loans | 2.4 | 95 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 53.2 | 127 | 8.05 | Venture capital availability | 2.2 | 103 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.3 | 141 | 8.06 | Soundness of banks | 4.0 | 128 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 2.5 | 135 | |
| 3.01 | Government budget balance, % GDP* | 50.2 | 1 | 8.08 | Legal rights index, 0-10 (best)* | 2 | 135 |
| 3.02 | Gross national savings, % GDP* | 51.2 | 4 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 13.5 | 131 | 9.01 | Availability of latest technologies | 3.5 | 139 |
| 3.04 | General government debt, % GDP* | 0.0 | 1 | 9.02 | Firm-level technology absorption | 3.7 | 140 |
| 3.05 | Country credit rating, 0-100 (best)* | 19.6 | 129 | 9.03 | FDI and technology transfer | 3.6 | 131 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 0.9 | 143 | |
| 4.01 | Business impact of malaria | 2.1 | 142 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.0 | 127 |
| 4.02 | Malaria cases/100,000 pop.* | 27,942.0 | 132 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 17.1 | 68 |
| 4.03 | Business impact of tuberculosis | 2.8 | 143 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.0 | 128 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 498.0 | 135 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.8 | 125 | 10.01 | Domestic market size index, 1-7 (best)* | 2.1 | 128 |
| 4.06 | HIV prevalence, % adult pop.* | <0.2 | 50 | 10.02 | Foreign market size index, 1-7 (best)* | 1.0 | 144 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 56.2 | 120 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 62.0 | 116 | 11.01 | Local supplier quantity | 3.9 | 129 |
| 4.09 | Quality of primary education | 2.4 | 130 | 11.02 | Local supplier quality | 3.0 | 143 |
| 4.10 | Primary education enrollment, net %* | 85.3 | 114 | 11.03 | State of cluster development | 2.9 | 121 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.5 | 69 | |
| 5.01 | Secondary education enrollment, gross %* | 56.3 | 112 | 11.05 | Value chain breadth | 2.9 | 125 |
| 5.02 | Tertiary education enrollment, gross %* | 16.7 | 99 | 11.06 | Control of international distribution | 3.5 | 121 |
| 5.03 | Quality of the educational system | 2.7 | 129 | 11.07 | Production process sophistication | 2.2 | 142 |
| 5.04 | Quality of math and science education | 2.4 | 136 | 11.08 | Extent of marketing | 2.3 | 142 |
| 5.05 | Quality of management schools | 2.3 | 143 | 11.09 | Willingness to delegate authority | 3.2 | 113 |
| 5.06 | Internet access in schools | 2.4 | 128 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.8 | 136 | 12.01 | Capacity for innovation | 2.4 | 125 |
| 5.08 | Extent of staff training | 3.1 | 127 | 12.02 | Quality of scientific research institutions | 2.3 | 134 |
| | | | | 12.03 | Company spending on R&D | 2.3 | 134 |
| | | | | 12.04 | University-industry collaboration in R&D | 2.8 | 125 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.3 | 92 |
| | | | | 12.06 | Availability of scientists and engineers | 2.6 | 143 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 119 |

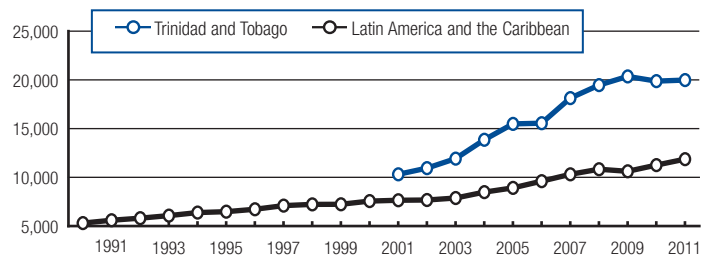
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Trinidad and Tobago

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 1.4 |
| GDP (US\$ billions)..... | 22.7 |
| GDP per capita (US\$)..... | 17,158 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

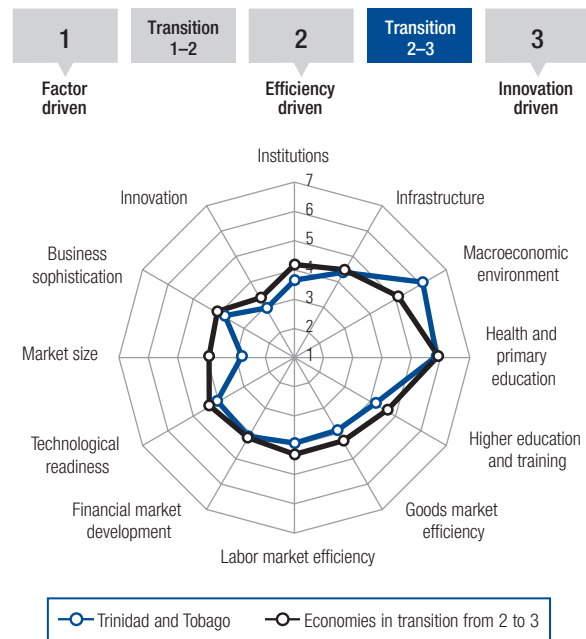
GDP (PPP) per capita (int'l \$), 1990–2011



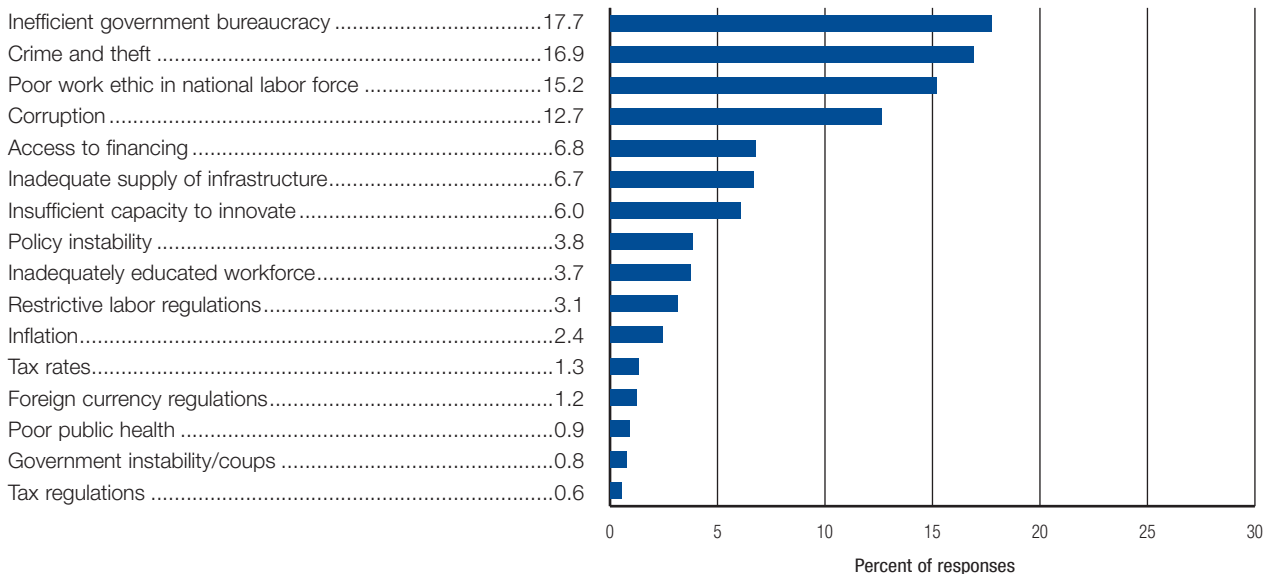
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 84 | 4.0 |
| GCI 2011–2012 (out of 142)..... | 81 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 84 | 4.0 |
| Basic requirements (25.8%) | 41 | 4.9 |
| Institutions..... | 91 | 3.6 |
| Infrastructure..... | 55 | 4.3 |
| Macroeconomic environment..... | 19 | 6.0 |
| Health and primary education..... | 55 | 5.8 |
| Efficiency enhancers (50.0%) | 83 | 3.9 |
| Higher education and training..... | 71 | 4.2 |
| Goods market efficiency..... | 106 | 3.9 |
| Labor market efficiency..... | 110 | 4.0 |
| Financial market development..... | 60 | 4.2 |
| Technological readiness..... | 60 | 4.1 |
| Market size..... | 107 | 2.8 |
| Innovation and sophistication factors (24.2%) | 89 | 3.3 |
| Business sophistication..... | 84 | 3.8 |
| Innovation..... | 104 | 2.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Trinidad and Tobago

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 81 | 6.01 | Intensity of local competition | 4.6 | 88 |
| 1.02 | Intellectual property protection | 3.4 | 81 | 6.02 | Extent of market dominance | 3.4 | 88 |
| 1.03 | Diversion of public funds | 2.9 | 89 | 6.03 | Effectiveness of anti-monopoly policy | 3.6 | 103 |
| 1.04 | Public trust in politicians | 2.2 | 104 | 6.04 | Extent and effect of taxation | 3.9 | 40 |
| 1.05 | Irregular payments and bribes | 3.6 | 85 | 6.05 | Total tax rate, % profits* | 29.1 | 33 |
| 1.06 | Judicial independence | 4.4 | 47 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.6 | 109 | 6.07 | No. days to start a business* | 43 | 123 |
| 1.08 | Wastefulness of government spending | 3.1 | 78 | 6.08 | Agricultural policy costs | 3.5 | 104 |
| 1.09 | Burden of government regulation | 3.3 | 77 | 6.09 | Prevalence of trade barriers | 4.3 | 72 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.5 | 83 | 6.10 | Trade tariffs, % duty* | 10.5 | 107 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.3 | 94 | 6.11 | Prevalence of foreign ownership | 4.6 | 73 |
| 1.12 | Transparency of government policymaking | 3.9 | 99 | 6.12 | Business impact of rules on FDI | 4.8 | 56 |
| 1.13 | Gov't services for improved business performance | 3.3 | 93 | 6.13 | Burden of customs procedures | 3.0 | 132 |
| 1.14 | Business costs of terrorism | 5.6 | 63 | 6.14 | Imports as a percentage of GDP* | 37.1 | 93 |
| 1.15 | Business costs of crime and violence | 2.5 | 139 | 6.15 | Degree of customer orientation | 3.6 | 139 |
| 1.16 | Organized crime | 4.1 | 121 | 6.16 | Buyer sophistication | 3.5 | 63 |
| 1.17 | Reliability of police services | 3.2 | 117 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.5 | 104 | 7.01 | Cooperation in labor-employer relations | 3.3 | 134 |
| 1.19 | Strength of auditing and reporting standards | 4.3 | 91 | 7.02 | Flexibility of wage determination | 4.2 | 119 |
| 1.20 | Efficacy of corporate boards | 4.0 | 114 | 7.03 | Hiring and firing practices | 3.8 | 84 |
| 1.21 | Protection of minority shareholders' interests | 3.6 | 119 | 7.04 | Redundancy costs, weeks of salary* | 21 | 90 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 6.7 | 24 | 7.05 | Pay and productivity | 3.1 | 126 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 66 | |
| 2.01 | Quality of overall infrastructure | 4.5 | 62 | 7.07 | Brain drain | 3.6 | 56 |
| 2.02 | Quality of roads | 3.8 | 74 | 7.08 | Women in labor force, ratio to men* | 0.73 | 91 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.8 | 92 | 8.01 | Availability of financial services | 4.3 | 82 |
| 2.05 | Quality of air transport infrastructure | 5.0 | 56 | 8.02 | Affordability of financial services | 3.6 | 109 |
| 2.06 | Available airline seat kms/week, millions* | 60.3 | 91 | 8.03 | Financing through local equity market | 3.1 | 87 |
| 2.07 | Quality of electricity supply | 5.4 | 50 | 8.04 | Ease of access to loans | 2.7 | 77 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 135.6 | 25 | 8.05 | Venture capital availability | 2.4 | 87 |
| 2.09 | Fixed telephone lines/100 pop.* | 21.7 | 57 | 8.06 | Soundness of banks | 5.8 | 35 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.8 | 97 | |
| 3.01 | Government budget balance, % GDP* | 0.3 | 28 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 36.0 | 15 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 5.1 | 77 | 9.01 | Availability of latest technologies | 5.1 | 63 |
| 3.04 | General government debt, % GDP* | 32.4 | 48 | 9.02 | Firm-level technology absorption | 4.6 | 82 |
| 3.05 | Country credit rating, 0-100 (best)* | 63.1 | 46 | 9.03 | FDI and technology transfer | 4.6 | 78 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 55.2 | 49 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 11.5 | 50 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 19.8 | 60 |
| 4.03 | Business impact of tuberculosis | 5.2 | 82 | 9.07 | Mobile broadband subscriptions/100 pop.* | 1.2 | 110 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 19.0 | 43 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.0 | 123 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 109 |
| 4.06 | HIV prevalence, % adult pop.* | 1.5 | 117 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6 | 93 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 24.0 | 92 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 69.8 | 95 | 11.01 | Local supplier quantity | 4.6 | 78 |
| 4.09 | Quality of primary education | 4.6 | 34 | 11.02 | Local supplier quality | 4.3 | 84 |
| 4.10 | Primary education enrollment, net %* | 93.9 | 64 | 11.03 | State of cluster development | 3.4 | 84 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.7 | 128 | |
| 5.01 | Secondary education enrollment, gross %* | 89.9 | 66 | 11.05 | Value chain breadth | 3.3 | 95 |
| 5.02 | Tertiary education enrollment, gross %* | 11.5 | 106 | 11.06 | Control of international distribution | 4.1 | 66 |
| 5.03 | Quality of the educational system | 4.2 | 40 | 11.07 | Production process sophistication | 3.9 | 54 |
| 5.04 | Quality of math and science education | 4.6 | 35 | 11.08 | Extent of marketing | 4.0 | 74 |
| 5.05 | Quality of management schools | 4.8 | 36 | 11.09 | Willingness to delegate authority | 3.2 | 106 |
| 5.06 | Internet access in schools | 4.5 | 55 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 65 | 12.01 | Capacity for innovation | 2.4 | 124 |
| 5.08 | Extent of staff training | 3.9 | 71 | 12.02 | Quality of scientific research institutions | 3.2 | 98 |
| | | | | 12.03 | Company spending on R&D | 2.8 | 100 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.5 | 76 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.8 | 128 |
| | | | | 12.06 | Availability of scientists and engineers | 4.3 | 56 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.0 | 54 |

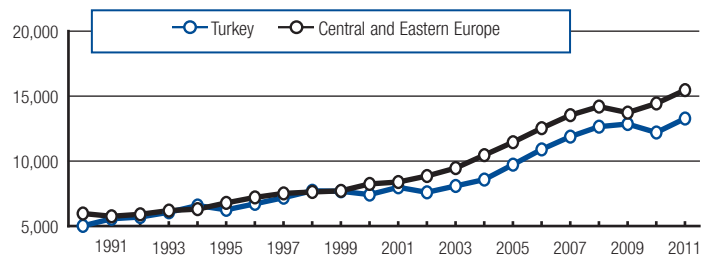
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Turkey

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 74.3 |
| GDP (US\$ billions)..... | 778.1 |
| GDP per capita (US\$)..... | 10,522 |
| GDP (PPP) as share (%) of world total..... | 1.36 |

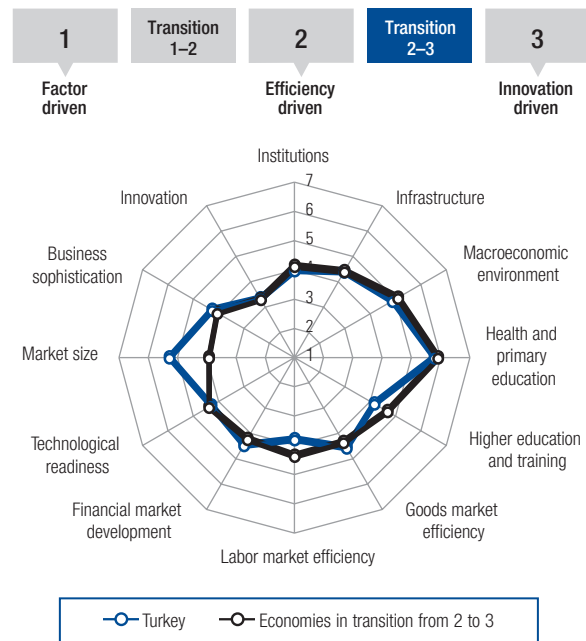
GDP (PPP) per capita (int'l \$), 1990–2011



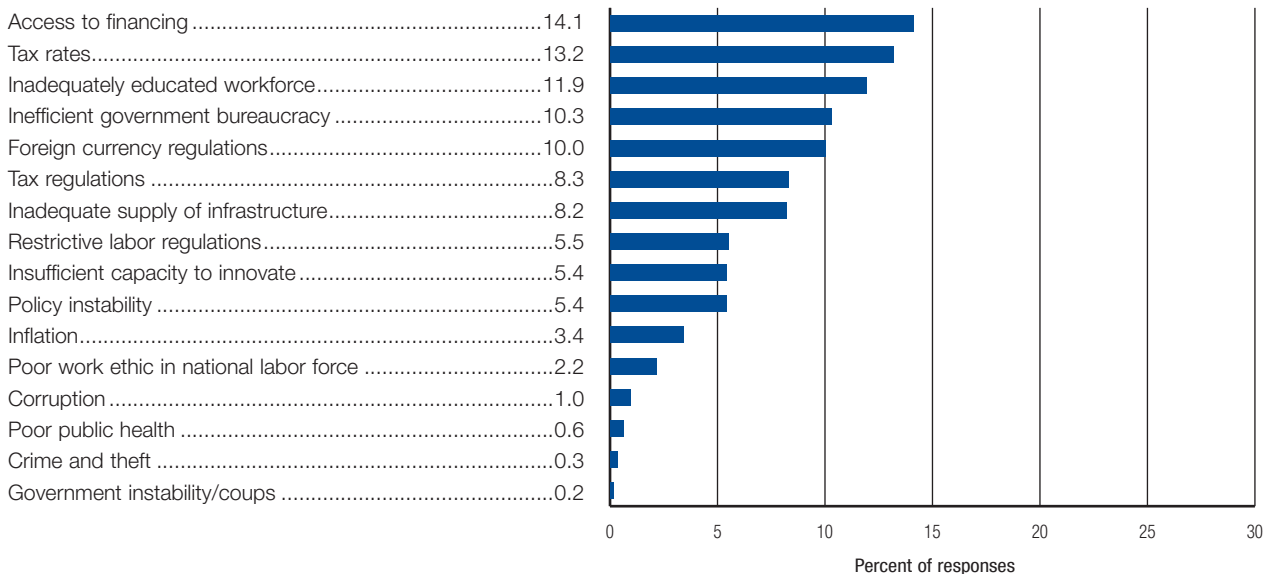
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 43 | 4.5 |
| GCI 2011–2012 (out of 142)..... | 59 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 61 | 4.2 |
| Basic requirements (36.2%) | 57 | 4.8 |
| Institutions..... | 64 | 4.0 |
| Infrastructure..... | 51 | 4.4 |
| Macroeconomic environment..... | 55 | 4.9 |
| Health and primary education..... | 63 | 5.8 |
| Efficiency enhancers (50.0%) | 42 | 4.4 |
| Higher education and training..... | 74 | 4.1 |
| Goods market efficiency..... | 38 | 4.6 |
| Labor market efficiency..... | 124 | 3.8 |
| Financial market development..... | 44 | 4.5 |
| Technological readiness..... | 53 | 4.3 |
| Market size..... | 15 | 5.3 |
| Innovation and sophistication factors (13.8%) | 50 | 3.8 |
| Business sophistication..... | 47 | 4.3 |
| Innovation..... | 55 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.5 | 57 | 6.01 | Intensity of local competition | 5.7 | 16 |
| 1.02 | Intellectual property protection | 3.3 | 86 | 6.02 | Extent of market dominance | 4.4 | 30 |
| 1.03 | Diversion of public funds | 3.6 | 55 | 6.03 | Effectiveness of anti-monopoly policy | 4.7 | 31 |
| 1.04 | Public trust in politicians | 3.4 | 43 | 6.04 | Extent and effect of taxation | 3.0 | 117 |
| 1.05 | Irregular payments and bribes | 4.3 | 59 | 6.05 | Total tax rate, % profits* | 41.1 | 81 |
| 1.06 | Judicial independence | 3.5 | 83 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 66 | 6.07 | No. days to start a business* | 6 | 16 |
| 1.08 | Wastefulness of government spending | 3.8 | 33 | 6.08 | Agricultural policy costs | 4.1 | 53 |
| 1.09 | Burden of government regulation | 3.3 | 80 | 6.09 | Prevalence of trade barriers | 4.0 | 98 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 61 | 6.10 | Trade tariffs, % duty* | 5.1 | 69 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 56 | 6.11 | Prevalence of foreign ownership | 4.2 | 101 |
| 1.12 | Transparency of government policymaking | 4.7 | 40 | 6.12 | Business impact of rules on FDI | 4.8 | 54 |
| 1.13 | Gov't services for improved business performance | 4.5 | 19 | 6.13 | Burden of customs procedures | 3.6 | 96 |
| 1.14 | Business costs of terrorism | 4.2 | 130 | 6.14 | Imports as a percentage of GDP* | 33.5 | 105 |
| 1.15 | Business costs of crime and violence | 4.8 | 76 | 6.15 | Degree of customer orientation | 5.4 | 22 |
| 1.16 | Organized crime | 4.6 | 102 | 6.16 | Buyer sophistication | 3.3 | 84 |
| 1.17 | Reliability of police services | 4.0 | 81 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 57 | 7.01 | Cooperation in labor-employer relations | 4.0 | 104 |
| 1.19 | Strength of auditing and reporting standards | 4.7 | 63 | 7.02 | Flexibility of wage determination | 5.4 | 35 |
| 1.20 | Efficacy of corporate boards | 4.2 | 96 | 7.03 | Hiring and firing practices | 4.3 | 44 |
| 1.21 | Protection of minority shareholders' interests | 4.2 | 73 | 7.04 | Redundancy costs, weeks of salary* | 30 | 125 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.7 | 52 | 7.05 | Pay and productivity | 4.2 | 49 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.3 | 62 | |
| 2.01 | Quality of overall infrastructure | 5.3 | 34 | 7.07 | Brain drain | 3.4 | 75 |
| 2.02 | Quality of roads | 4.9 | 43 | 7.08 | Women in labor force, ratio to men* | 0.40 | 131 |
| 2.03 | Quality of railroad infrastructure | 3.1 | 53 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.4 | 63 | 8.01 | Availability of financial services | 5.4 | 29 |
| 2.05 | Quality of air transport infrastructure | 5.6 | 36 | 8.02 | Affordability of financial services | 5.1 | 27 |
| 2.06 | Available airline seat kms/week, millions* | 1,817.6 | 19 | 8.03 | Financing through local equity market | 4.3 | 32 |
| 2.07 | Quality of electricity supply | 4.6 | 77 | 8.04 | Ease of access to loans | 3.0 | 62 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 88.7 | 98 | 8.05 | Venture capital availability | 2.5 | 73 |
| 2.09 | Fixed telephone lines/100 pop.* | 20.7 | 63 | 8.06 | Soundness of banks | 6.0 | 22 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.2 | 25 | |
| 3.01 | Government budget balance, % GDP* | -0.3 | 32 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 12.5 | 115 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.5 | 93 | 9.01 | Availability of latest technologies | 5.4 | 45 |
| 3.04 | General government debt, % GDP* | 39.4 | 70 | 9.02 | Firm-level technology absorption | 5.3 | 39 |
| 3.05 | Country credit rating, 0-100 (best)* | 54.5 | 58 | 9.03 | FDI and technology transfer | 4.7 | 65 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 42.1 | 69 | |
| 4.01 | Business impact of malaria | 6.5 | 73 | 9.05 | Broadband Internet subscriptions/100 pop.* | 10.3 | 57 |
| 4.02 | Malaria cases/100,000 pop.* | 0.1 | 74 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 33.9 | 41 |
| 4.03 | Business impact of tuberculosis | 6.2 | 33 | 9.07 | Mobile broadband subscriptions/100 pop.* | 8.8 | 73 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 28.0 | 55 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.3 | 12 | 10.01 | Domestic market size index, 1-7 (best)* | 5.2 | 15 |
| 4.06 | HIV prevalence, % adult pop.* | 0.1 | 12 | 10.02 | Foreign market size index, 1-7 (best)* | 5.4 | 28 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 13.7 | 64 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 73.7 | 68 | 11.01 | Local supplier quantity | 5.1 | 35 |
| 4.09 | Quality of primary education | 3.3 | 95 | 11.02 | Local supplier quality | 4.7 | 56 |
| 4.10 | Primary education enrollment, net %* | 97.5 | 34 | 11.03 | State of cluster development | 4.1 | 43 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 86 | |
| 5.01 | Secondary education enrollment, gross %* | 77.6 | 93 | 11.05 | Value chain breadth | 4.1 | 35 |
| 5.02 | Tertiary education enrollment, gross %* | 45.8 | 56 | 11.06 | Control of international distribution | 4.6 | 24 |
| 5.03 | Quality of the educational system | 3.5 | 82 | 11.07 | Production process sophistication | 4.4 | 38 |
| 5.04 | Quality of math and science education | 3.5 | 100 | 11.08 | Extent of marketing | 4.7 | 35 |
| 5.05 | Quality of management schools | 3.8 | 97 | 11.09 | Willingness to delegate authority | 3.3 | 97 |
| 5.06 | Internet access in schools | 4.3 | 68 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.0 | 77 | 12.01 | Capacity for innovation | 3.4 | 48 |
| 5.08 | Extent of staff training | 4.0 | 65 | 12.02 | Quality of scientific research institutions | 3.4 | 88 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 56 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 70 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 4.0 | 32 |
| | | | | 12.06 | Availability of scientists and engineers | 4.5 | 41 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 5.8 | 42 |

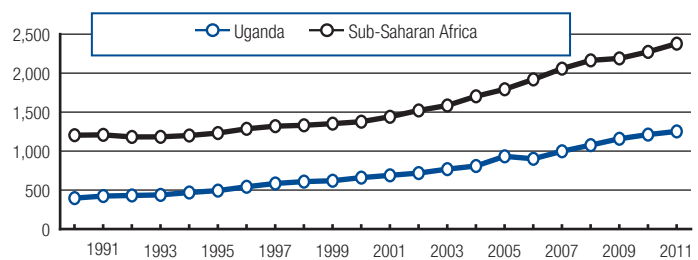
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Uganda

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 34.6 |
| GDP (US\$ billions)..... | 16.8 |
| GDP per capita (US\$)..... | 478 |
| GDP (PPP) as share (%) of world total..... | 0.06 |

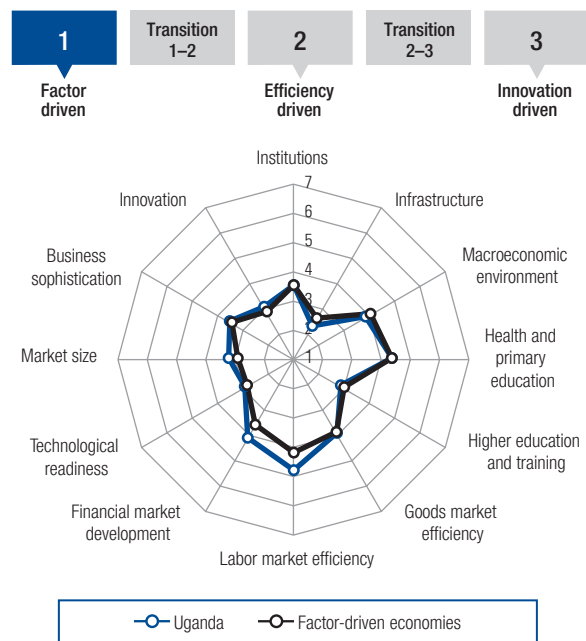
GDP (PPP) per capita (int'l \$), 1990–2011



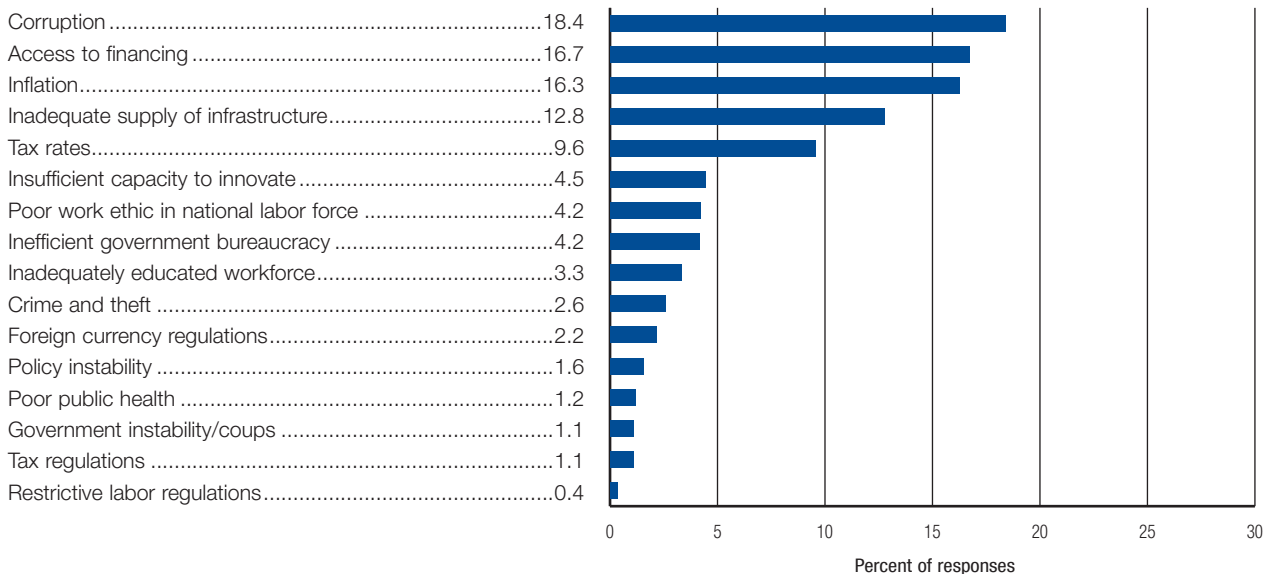
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 123 | 3.5 |
| GCI 2011–2012 (out of 142)..... | 121 | 3.6 |
| GCI 2010–2011 (out of 139)..... | 118 | 3.5 |
| Basic requirements (60.0%) | 132 | 3.5 |
| Institutions..... | 102 | 3.5 |
| Infrastructure..... | 133 | 2.3 |
| Macroeconomic environment..... | 119 | 3.8 |
| Health and primary education..... | 123 | 4.4 |
| Efficiency enhancers (35.0%) | 104 | 3.7 |
| Higher education and training..... | 127 | 2.9 |
| Goods market efficiency..... | 103 | 4.0 |
| Labor market efficiency..... | 23 | 4.8 |
| Financial market development..... | 62 | 4.1 |
| Technological readiness..... | 117 | 2.9 |
| Market size..... | 85 | 3.2 |
| Innovation and sophistication factors (5.0%) | 101 | 3.3 |
| Business sophistication..... | 105 | 3.5 |
| Innovation..... | 82 | 3.0 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.1 | 80 | 6.01 | Intensity of local competition | 4.7 | 77 |
| 1.02 | Intellectual property protection | 3.3 | 84 | 6.02 | Extent of market dominance | 3.2 | 115 |
| 1.03 | Diversion of public funds | 2.0 | 139 | 6.03 | Effectiveness of anti-monopoly policy | 4.3 | 46 |
| 1.04 | Public trust in politicians | 2.5 | 83 | 6.04 | Extent and effect of taxation | 3.2 | 102 |
| 1.05 | Irregular payments and bribes | 3.0 | 124 | 6.05 | Total tax rate, % profits* | 35.7 | 63 |
| 1.06 | Judicial independence | 3.5 | 80 | 6.06 | No. procedures to start a business* | 16 | 140 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 113 | 6.07 | No. days to start a business* | 34 | 109 |
| 1.08 | Wastefulness of government spending | 2.4 | 120 | 6.08 | Agricultural policy costs | 4.0 | 58 |
| 1.09 | Burden of government regulation | 3.8 | 40 | 6.09 | Prevalence of trade barriers | 4.0 | 93 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.1 | 49 | 6.10 | Trade tariffs, % duty* | 9.0 | 101 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 59 | 6.11 | Prevalence of foreign ownership | 5.3 | 32 |
| 1.12 | Transparency of government policymaking | 4.4 | 59 | 6.12 | Business impact of rules on FDI | 5.1 | 31 |
| 1.13 | Gov't services for improved business performance | 3.8 | 63 | 6.13 | Burden of customs procedures | 4.2 | 64 |
| 1.14 | Business costs of terrorism | 3.7 | 138 | 6.14 | Imports as a percentage of GDP* | 45.0 | 72 |
| 1.15 | Business costs of crime and violence | 3.4 | 126 | 6.15 | Degree of customer orientation | 4.6 | 73 |
| 1.16 | Organized crime | 4.2 | 112 | 6.16 | Buyer sophistication | 2.5 | 127 |
| 1.17 | Reliability of police services | 3.9 | 87 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 89 | 7.01 | Cooperation in labor-employer relations | 4.2 | 86 |
| 1.19 | Strength of auditing and reporting standards | 4.1 | 105 | 7.02 | Flexibility of wage determination | 6.3 | 1 |
| 1.20 | Efficacy of corporate boards | 4.7 | 48 | 7.03 | Hiring and firing practices | 5.2 | 7 |
| 1.21 | Protection of minority shareholders' interests | 3.9 | 97 | 7.04 | Redundancy costs, weeks of salary* | 9 | 25 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.4 | 113 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.9 | 94 | |
| 2.01 | Quality of overall infrastructure | 3.4 | 110 | 7.07 | Brain drain | 3.1 | 97 |
| 2.02 | Quality of roads | 2.9 | 110 | 7.08 | Women in labor force, ratio to men* | 0.96 | 7 |
| 2.03 | Quality of railroad infrastructure | 1.4 | 111 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.8 | 90 | 8.01 | Availability of financial services | 4.5 | 73 |
| 2.05 | Quality of air transport infrastructure | 3.8 | 107 | 8.02 | Affordability of financial services | 4.0 | 80 |
| 2.06 | Available airline seat kms/week, millions* | 43.3 | 102 | 8.03 | Financing through local equity market | 3.5 | 68 |
| 2.07 | Quality of electricity supply | 2.2 | 129 | 8.04 | Ease of access to loans | 3.0 | 60 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 48.4 | 130 | 8.05 | Venture capital availability | 2.5 | 74 |
| 2.09 | Fixed telephone lines/100 pop.* | 1.3 | 123 | 8.06 | Soundness of banks | 5.2 | 68 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 72 | |
| 3.01 | Government budget balance, % GDP* | -7.2 | 132 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | 13.6 | 108 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 6.5 | 94 | 9.01 | Availability of latest technologies | 4.5 | 104 |
| 3.04 | General government debt, % GDP* | 29.2 | 40 | 9.02 | Firm-level technology absorption | 4.3 | 103 |
| 3.05 | Country credit rating, 0-100 (best)* | 35.0 | 93 | 9.03 | FDI and technology transfer | 4.8 | 60 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 13.0 | 112 | |
| 4.01 | Business impact of malaria | 2.8 | 136 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3 | 114 |
| 4.02 | Malaria cases/100,000 pop.* | 28,037.4 | 133 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.8 | 125 |
| 4.03 | Business impact of tuberculosis | 4.0 | 125 | 9.07 | Mobile broadband subscriptions/100 pop.* | 2.8 | 96 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 209.0 | 117 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.1 | 132 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 80 |
| 4.06 | HIV prevalence, % adult pop.* | 6.5 | 135 | 10.02 | Foreign market size index, 1-7 (best)* | 3.4 | 105 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 63.0 | 126 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 53.6 | 130 | 11.01 | Local supplier quantity | 5.0 | 41 |
| 4.09 | Quality of primary education | 3.3 | 100 | 11.02 | Local supplier quality | 4.0 | 108 |
| 4.10 | Primary education enrollment, net %* | 90.9 | 89 | 11.03 | State of cluster development | 3.1 | 112 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 95 | |
| 5.01 | Secondary education enrollment, gross %* | 28.1 | 135 | 11.05 | Value chain breadth | 3.2 | 103 |
| 5.02 | Tertiary education enrollment, gross %* | 4.2 | 128 | 11.06 | Control of international distribution | 4.0 | 74 |
| 5.03 | Quality of the educational system | 3.7 | 69 | 11.07 | Production process sophistication | 2.8 | 122 |
| 5.04 | Quality of math and science education | 3.4 | 109 | 11.08 | Extent of marketing | 2.9 | 130 |
| 5.05 | Quality of management schools | 3.9 | 89 | 11.09 | Willingness to delegate authority | 3.5 | 92 |
| 5.06 | Internet access in schools | 2.9 | 118 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.8 | 91 | 12.01 | Capacity for innovation | 2.8 | 102 |
| 5.08 | Extent of staff training | 3.6 | 100 | 12.02 | Quality of scientific research institutions | 3.4 | 86 |
| | | | | 12.03 | Company spending on R&D | 2.9 | 89 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 68 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 68 |
| | | | | 12.06 | Availability of scientists and engineers | 3.8 | 89 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 118 |

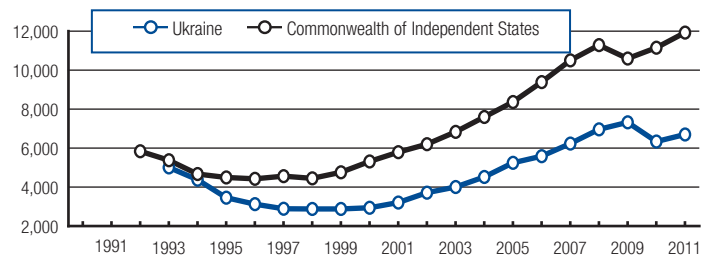
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Ukraine

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 46.8 |
| GDP (US\$ billions)..... | 165.0 |
| GDP per capita (US\$)..... | 3,621 |
| GDP (PPP) as share (%) of world total..... | 0.42 |

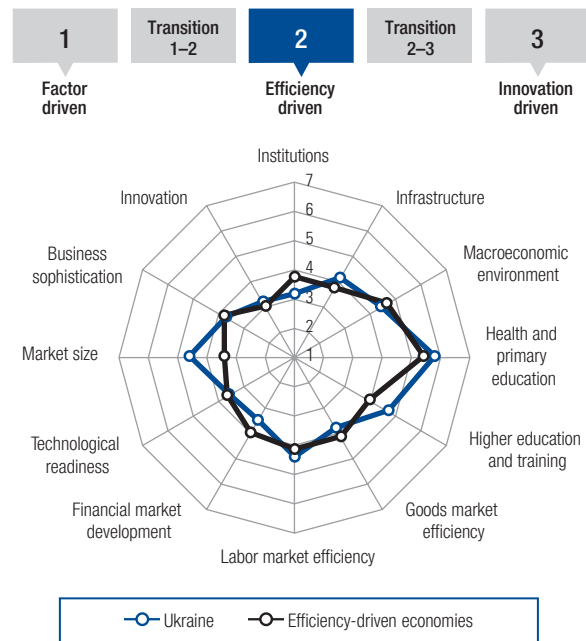
GDP (PPP) per capita (int'l \$), 1990–2011



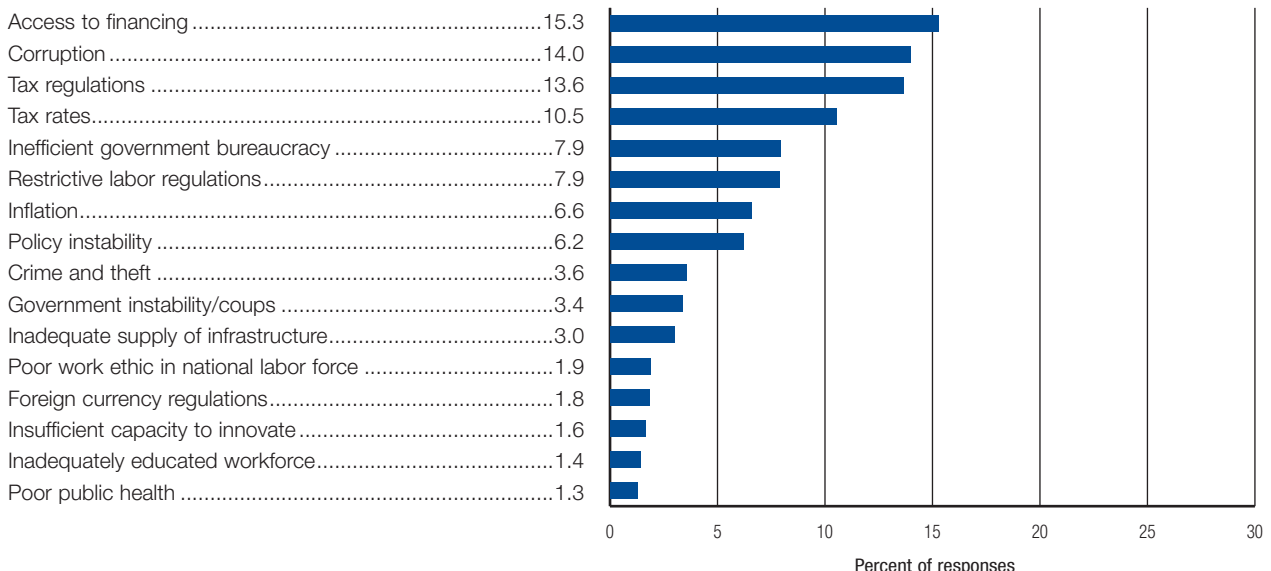
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 73 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 82 | 4.0 |
| GCI 2010–2011 (out of 139)..... | 89 | 3.9 |
| Basic requirements (40.0%) | 79 | 4.4 |
| Institutions..... | 132 | 3.1 |
| Infrastructure..... | 65 | 4.1 |
| Macroeconomic environment..... | 90 | 4.4 |
| Health and primary education..... | 62 | 5.8 |
| Efficiency enhancers (50.0%) | 65 | 4.1 |
| Higher education and training..... | 47 | 4.7 |
| Goods market efficiency..... | 117 | 3.8 |
| Labor market efficiency..... | 62 | 4.4 |
| Financial market development..... | 114 | 3.5 |
| Technological readiness..... | 81 | 3.6 |
| Market size..... | 38 | 4.6 |
| Innovation and sophistication factors (10.0%) | 79 | 3.4 |
| Business sophistication..... | 91 | 3.7 |
| Innovation..... | 71 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Ukraine

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.7 | 134 | 6.01 | Intensity of local competition | 4.3 | 104 |
| 1.02 | Intellectual property protection | 2.7 | 120 | 6.02 | Extent of market dominance | 3.2 | 108 |
| 1.03 | Diversion of public funds | 2.5 | 117 | 6.03 | Effectiveness of anti-monopoly policy | 3.2 | 132 |
| 1.04 | Public trust in politicians | 2.0 | 120 | 6.04 | Extent and effect of taxation | 2.3 | 139 |
| 1.05 | Irregular payments and bribes | 2.7 | 133 | 6.05 | Total tax rate, % profits* | 57.1 | 120 |
| 1.06 | Judicial independence | 2.5 | 124 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 119 | 6.07 | No. days to start a business* | 24 | 90 |
| 1.08 | Wastefulness of government spending | 2.2 | 128 | 6.08 | Agricultural policy costs | 3.0 | 136 |
| 1.09 | Burden of government regulation | 2.4 | 135 | 6.09 | Prevalence of trade barriers | 3.3 | 136 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.4 | 141 | 6.10 | Trade tariffs, % duty* | 2.9 | 43 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.4 | 139 | 6.11 | Prevalence of foreign ownership | 3.6 | 126 |
| 1.12 | Transparency of government policymaking | 3.6 | 123 | 6.12 | Business impact of rules on FDI | 3.3 | 132 |
| 1.13 | Gov't services for improved business performance | 3.0 | 109 | 6.13 | Burden of customs procedures | 2.8 | 138 |
| 1.14 | Business costs of terrorism | 6.1 | 36 | 6.14 | Imports as a percentage of GDP* | 58.8 | 44 |
| 1.15 | Business costs of crime and violence | 5.4 | 42 | 6.15 | Degree of customer orientation | 4.6 | 70 |
| 1.16 | Organized crime | 4.8 | 94 | 6.16 | Buyer sophistication | 3.4 | 73 |
| 1.17 | Reliability of police services | 3.0 | 123 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.2 | 124 | 7.01 | Cooperation in labor-employer relations | 3.9 | 111 |
| 1.19 | Strength of auditing and reporting standards | 3.8 | 122 | 7.02 | Flexibility of wage determination | 5.3 | 44 |
| 1.20 | Efficacy of corporate boards | 4.0 | 113 | 7.03 | Hiring and firing practices | 4.9 | 16 |
| 1.21 | Protection of minority shareholders' interests | 3.0 | 141 | 7.04 | Redundancy costs, weeks of salary* | 13 | 55 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.7 | 94 | 7.05 | Pay and productivity | 4.5 | 25 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.4 | 131 | |
| 2.01 | Quality of overall infrastructure | 4.6 | 56 | 7.07 | Brain drain | 2.3 | 131 |
| 2.02 | Quality of roads | 2.3 | 137 | 7.08 | Women in labor force, ratio to men* | 0.86 | 50 |
| 2.03 | Quality of railroad infrastructure | 4.5 | 24 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.0 | 75 | 8.01 | Availability of financial services | 3.8 | 113 |
| 2.05 | Quality of air transport infrastructure | 4.3 | 85 | 8.02 | Affordability of financial services | 3.5 | 111 |
| 2.06 | Available airline seat kms/week, millions* | 242.9 | 58 | 8.03 | Financing through local equity market | 2.3 | 129 |
| 2.07 | Quality of electricity supply | 4.6 | 78 | 8.04 | Ease of access to loans | 2.3 | 107 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 123.0 | 43 | 8.05 | Venture capital availability | 2.2 | 106 |
| 2.09 | Fixed telephone lines/100 pop.* | 28.1 | 45 | 8.06 | Soundness of banks | 3.1 | 142 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.1 | 124 | |
| 3.01 | Government budget balance, % GDP* | -2.7 | 68 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 17.5 | 85 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.0 | 107 | 9.01 | Availability of latest technologies | 4.8 | 80 |
| 3.04 | General government debt, % GDP* | 36.5 | 61 | 9.02 | Firm-level technology absorption | 4.8 | 69 |
| 3.05 | Country credit rating, 0-100 (best)* | 34.4 | 94 | 9.03 | FDI and technology transfer | 4.0 | 109 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 30.6 | 88 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 7.0 | 69 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 9.8 | 86 |
| 4.03 | Business impact of tuberculosis | 5.4 | 65 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.4 | 84 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 101.0 | 92 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.7 | 42 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 35 |
| 4.06 | HIV prevalence, % adult pop.* | 1.1 | 109 | 10.02 | Foreign market size index, 1-7 (best)* | 5.2 | 37 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 11.4 | 59 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 70.3 | 94 | 11.01 | Local supplier quantity | 4.6 | 82 |
| 4.09 | Quality of primary education | 4.4 | 44 | 11.02 | Local supplier quality | 4.4 | 72 |
| 4.10 | Primary education enrollment, net %* | 90.7 | 90 | 11.03 | State of cluster development | 2.9 | 127 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.9 | 109 | |
| 5.01 | Secondary education enrollment, gross %* | 95.6 | 49 | 11.05 | Value chain breadth | 3.7 | 62 |
| 5.02 | Tertiary education enrollment, gross %* | 79.5 | 10 | 11.06 | Control of international distribution | 4.1 | 60 |
| 5.03 | Quality of the educational system | 3.6 | 70 | 11.07 | Production process sophistication | 3.5 | 80 |
| 5.04 | Quality of math and science education | 4.6 | 34 | 11.08 | Extent of marketing | 4.2 | 61 |
| 5.05 | Quality of management schools | 3.4 | 117 | 11.09 | Willingness to delegate authority | 3.1 | 118 |
| 5.06 | Internet access in schools | 4.4 | 62 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.7 | 98 | 12.01 | Capacity for innovation | 3.3 | 58 |
| 5.08 | Extent of staff training | 3.6 | 106 | 12.02 | Quality of scientific research institutions | 3.7 | 64 |
| | | | | 12.03 | Company spending on R&D | 2.7 | 104 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 69 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.2 | 97 |
| | | | | 12.06 | Availability of scientists and engineers | 4.8 | 25 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.1 | 51 |

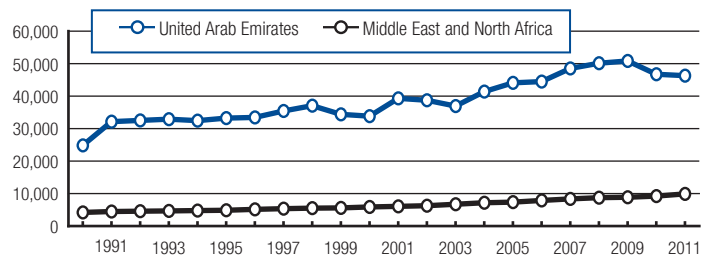
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

United Arab Emirates

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 7.9 |
| GDP (US\$ billions)..... | 360.1 |
| GDP per capita (US\$)..... | 67,008 |
| GDP (PPP) as share (%) of world total..... | 0.33 |

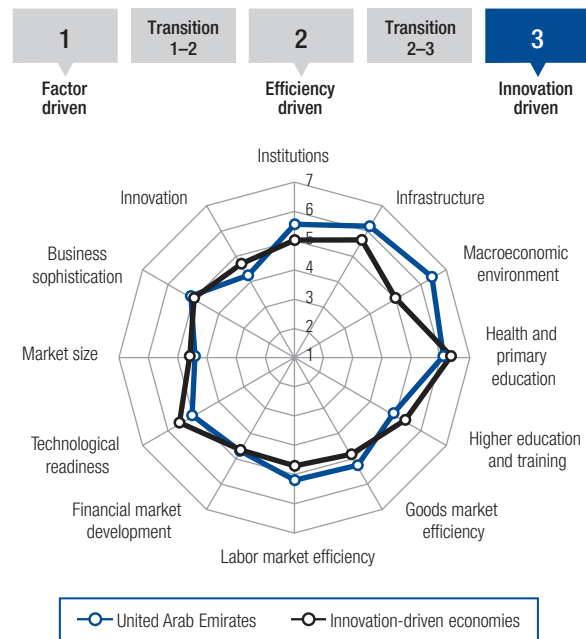
GDP (PPP) per capita (int'l \$), 1990–2011



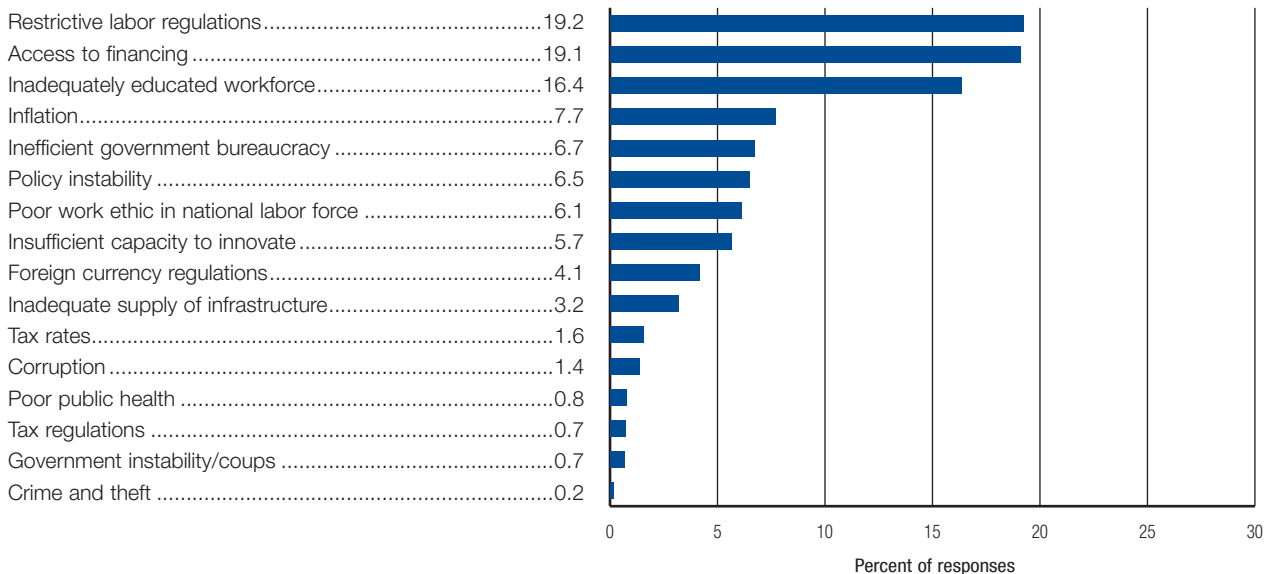
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 24 | 5.1 |
| GCI 2011–2012 (out of 142)..... | 27 | 4.9 |
| GCI 2010–2011 (out of 139)..... | 25 | 4.9 |
| Basic requirements (20.0%) | 5 | 6.0 |
| Institutions..... | 12 | 5.5 |
| Infrastructure..... | 8 | 6.1 |
| Macroeconomic environment..... | 7 | 6.4 |
| Health and primary education..... | 37 | 6.1 |
| Efficiency enhancers (50.0%) | 21 | 4.9 |
| Higher education and training..... | 37 | 4.9 |
| Goods market efficiency..... | 5 | 5.3 |
| Labor market efficiency..... | 7 | 5.2 |
| Financial market development..... | 25 | 4.7 |
| Technological readiness..... | 32 | 5.0 |
| Market size..... | 44 | 4.4 |
| Innovation and sophistication factors (30.0%) | 25 | 4.6 |
| Business sophistication..... | 15 | 5.1 |
| Innovation..... | 28 | 4.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

United Arab Emirates

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 |
|---|---------|----------|
| 1st pillar: Institutions | | |
| 1.01 Property rights | 5.2 | 33 |
| 1.02 Intellectual property protection | 5.2 | 23 |
| 1.03 Diversion of public funds | 5.7 | 11 |
| 1.04 Public trust in politicians | 5.8 | 3 |
| 1.05 Irregular payments and bribes | 6.4 | 6 |
| 1.06 Judicial independence | 5.4 | 23 |
| 1.07 Favoritism in decisions of government officials | 5.0 | 8 |
| 1.08 Wastefulness of government spending | 5.7 | 2 |
| 1.09 Burden of government regulation | 4.8 | 5 |
| 1.10 Efficiency of legal framework in settling disputes | 4.8 | 22 |
| 1.11 Efficiency of legal framework in challenging regs. | 4.5 | 25 |
| 1.12 Transparency of government policymaking | 5.1 | 21 |
| 1.13 Gov't services for improved business performance | 5.7 | 3 |
| 1.14 Business costs of terrorism | 6.4 | 14 |
| 1.15 Business costs of crime and violence | 6.5 | 2 |
| 1.16 Organized crime | 6.8 | 1 |
| 1.17 Reliability of police services | 6.1 | 11 |
| 1.18 Ethical behavior of firms | 5.7 | 16 |
| 1.19 Strength of auditing and reporting standards | 5.4 | 28 |
| 1.20 Efficacy of corporate boards | 5.1 | 22 |
| 1.21 Protection of minority shareholders' interests | 5.0 | 24 |
| 1.22 Strength of investor protection, 0-10 (best)* | 4.3 | 101 |
| 2nd pillar: Infrastructure | | |
| 2.01 Quality of overall infrastructure | 6.4 | 6 |
| 2.02 Quality of roads | 6.5 | 2 |
| 2.03 Quality of railroad infrastructure | n/appl. | n/a |
| 2.04 Quality of port infrastructure | 6.4 | 5 |
| 2.05 Quality of air transport infrastructure | 6.6 | 3 |
| 2.06 Available airline seat kms/week, millions* | 3,633.6 | 10 |
| 2.07 Quality of electricity supply | 6.4 | 20 |
| 2.08 Mobile telephone subscriptions/100 pop.* | 148.6 | 15 |
| 2.09 Fixed telephone lines/100 pop.* | 23.1 | 51 |
| 3rd pillar: Macroeconomic environment | | |
| 3.01 Government budget balance, % GDP* | 11.0 | 7 |
| 3.02 Gross national savings, % GDP* | 31.7 | 21 |
| 3.03 Inflation, annual % change* | 0.9 | 1 |
| 3.04 General government debt, % GDP* | 16.9 | 19 |
| 3.05 Country credit rating, 0-100 (best)* | 75.9 | 26 |
| 4th pillar: Health and primary education | | |
| 4.01 Business impact of malaria | n/appl. | 1 |
| 4.02 Malaria cases/100,000 pop.* | (NE) | 1 |
| 4.03 Business impact of tuberculosis | 5.5 | 62 |
| 4.04 Tuberculosis cases/100,000 pop.* | 3.1 | 3 |
| 4.05 Business impact of HIV/AIDS | 5.7 | 44 |
| 4.06 HIV prevalence, % adult pop.* | 0.0 | 1 |
| 4.07 Infant mortality, deaths/1,000 live births* | 6.1 | 39 |
| 4.08 Life expectancy, years* | 76.6 | 40 |
| 4.09 Quality of primary education | 5.2 | 18 |
| 4.10 Primary education enrollment, net %* | 88.4 | 100 |
| 5th pillar: Higher education and training | | |
| 5.01 Secondary education enrollment, gross %* | 92.3 | 56 |
| 5.02 Tertiary education enrollment, gross %* | 22.5 | 86 |
| 5.03 Quality of the educational system | 5.0 | 17 |
| 5.04 Quality of math and science education | 5.2 | 17 |
| 5.05 Quality of management schools | 5.0 | 27 |
| 5.06 Internet access in schools | 5.8 | 22 |
| 5.07 Availability of research and training services | 5.2 | 21 |
| 5.08 Extent of staff training | 4.9 | 17 |

| INDICATOR | VALUE | RANK/144 |
|---|-------|----------|
| 6th pillar: Goods market efficiency | | |
| 6.01 Intensity of local competition | 5.7 | 15 |
| 6.02 Extent of market dominance | 5.0 | 14 |
| 6.03 Effectiveness of anti-monopoly policy | 5.1 | 14 |
| 6.04 Extent and effect of taxation | 6.2 | 2 |
| 6.05 Total tax rate, % profits* | 14.1 | 5 |
| 6.06 No. procedures to start a business* | 7 | 74 |
| 6.07 No. days to start a business* | 13 | 59 |
| 6.08 Agricultural policy costs | 4.9 | 6 |
| 6.09 Prevalence of trade barriers | 5.5 | 8 |
| 6.10 Trade tariffs, % duty* | 4.7 | 64 |
| 6.11 Prevalence of foreign ownership | 5.3 | 33 |
| 6.12 Business impact of rules on FDI | 5.4 | 14 |
| 6.13 Burden of customs procedures | 5.8 | 5 |
| 6.14 Imports as a percentage of GDP* | 67.5 | 37 |
| 6.15 Degree of customer orientation | 5.4 | 19 |
| 6.16 Buyer sophistication | 4.4 | 18 |
| 7th pillar: Labor market efficiency | | |
| 7.01 Cooperation in labor-employer relations | 5.3 | 12 |
| 7.02 Flexibility of wage determination | 6.1 | 2 |
| 7.03 Hiring and firing practices | 5.0 | 12 |
| 7.04 Redundancy costs, weeks of salary* | 4 | 8 |
| 7.05 Pay and productivity | 5.0 | 7 |
| 7.06 Reliance on professional management | 5.2 | 27 |
| 7.07 Brain drain | 5.5 | 6 |
| 7.08 Women in labor force, ratio to men* | 0.48 | 128 |
| 8th pillar: Financial market development | | |
| 8.01 Availability of financial services | 5.5 | 27 |
| 8.02 Affordability of financial services | 5.2 | 18 |
| 8.03 Financing through local equity market | 4.4 | 28 |
| 8.04 Ease of access to loans | 4.5 | 5 |
| 8.05 Venture capital availability | 4.1 | 8 |
| 8.06 Soundness of banks | 5.6 | 48 |
| 8.07 Regulation of securities exchanges | 5.2 | 26 |
| 8.08 Legal rights index, 0-10 (best)* | 4 | 99 |
| 9th pillar: Technological readiness | | |
| 9.01 Availability of latest technologies | 6.2 | 23 |
| 9.02 Firm-level technology absorption | 6.0 | 12 |
| 9.03 FDI and technology transfer | 5.7 | 6 |
| 9.04 Individuals using Internet, %* | 70.0 | 34 |
| 9.05 Broadband Internet subscriptions/100 pop.* | 11.0 | 52 |
| 9.06 Int'l Internet bandwidth, kb/s per user* | 27.6 | 48 |
| 9.07 Mobile broadband subscriptions/100 pop.* | 21.7 | 44 |
| 10th pillar: Market size | | |
| 10.01 Domestic market size index, 1-7 (best)* | 4.1 | 50 |
| 10.02 Foreign market size index, 1-7 (best)* | 5.3 | 29 |
| 11th pillar: Business sophistication | | |
| 11.01 Local supplier quantity | 5.4 | 15 |
| 11.02 Local supplier quality | 5.3 | 22 |
| 11.03 State of cluster development | 5.2 | 4 |
| 11.04 Nature of competitive advantage | 4.6 | 26 |
| 11.05 Value chain breadth | 5.0 | 18 |
| 11.06 Control of international distribution | 5.2 | 5 |
| 11.07 Production process sophistication | 5.0 | 27 |
| 11.08 Extent of marketing | 5.3 | 23 |
| 11.09 Willingness to delegate authority | 4.8 | 18 |
| 12th pillar: Innovation | | |
| 12.01 Capacity for innovation | 4.0 | 27 |
| 12.02 Quality of scientific research institutions | 4.6 | 35 |
| 12.03 Company spending on R&D | 4.2 | 22 |
| 12.04 University-industry collaboration in R&D | 4.6 | 26 |
| 12.05 Gov't procurement of advanced tech products | 5.0 | 3 |
| 12.06 Availability of scientists and engineers | 5.0 | 15 |
| 12.07 PCT patents, applications/million pop.* | 4.5 | 45 |

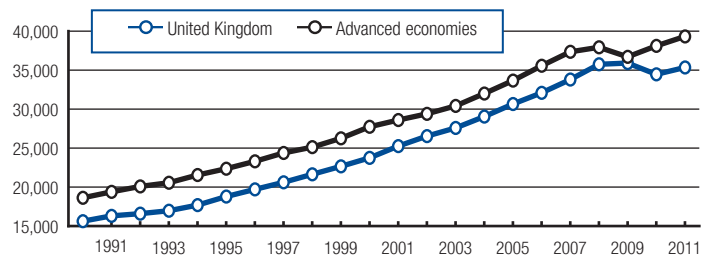
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

United Kingdom

Key indicators, 2011

| | |
|--|---------|
| Population (millions)..... | 65.3 |
| GDP (US\$ billions)..... | 2,417.6 |
| GDP per capita (US\$)..... | 38,592 |
| GDP (PPP) as share (%) of world total..... | 2.87 |

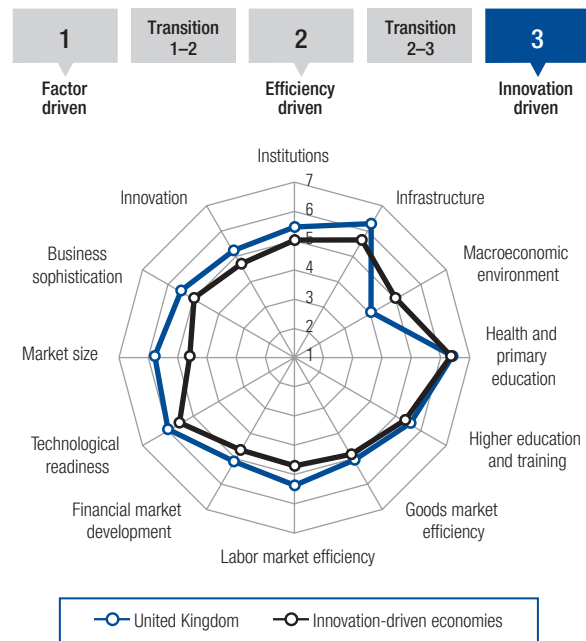
GDP (PPP) per capita (int'l \$), 1990–2011



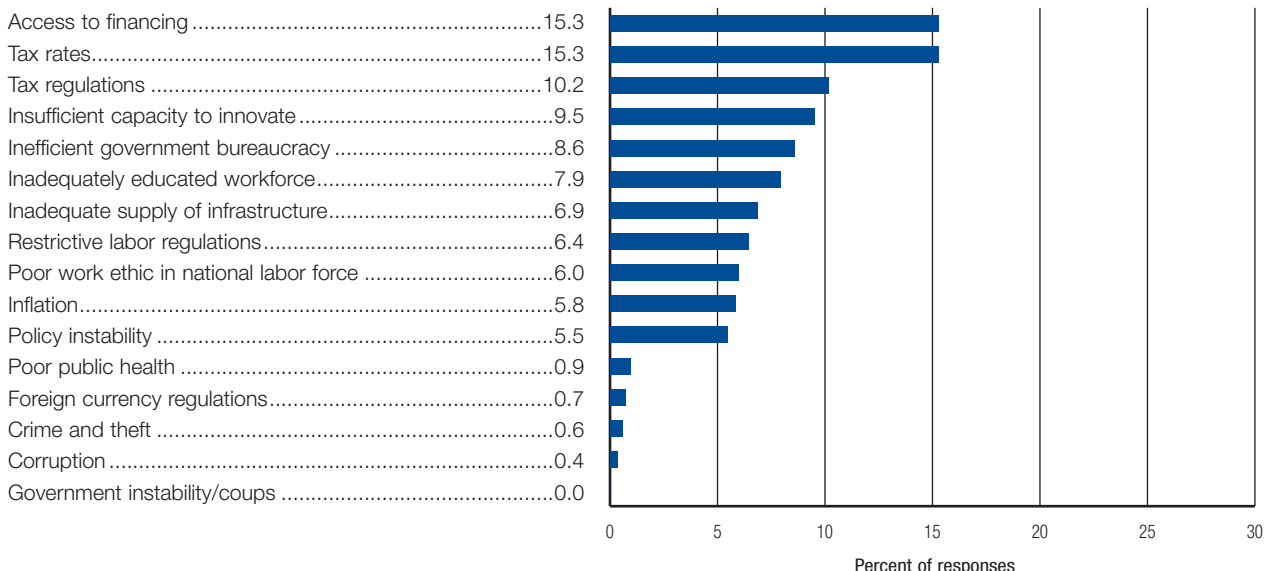
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 8 | 5.4 |
| GCI 2011–2012 (out of 142)..... | 10 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 12 | 5.3 |
| Basic requirements (20.0%) | 24 | 5.5 |
| Institutions..... | 13 | 5.4 |
| Infrastructure..... | 6 | 6.2 |
| Macroeconomic environment..... | 110 | 4.0 |
| Health and primary education..... | 17 | 6.4 |
| Efficiency enhancers (50.0%) | 4 | 5.5 |
| Higher education and training..... | 16 | 5.6 |
| Goods market efficiency..... | 17 | 5.1 |
| Labor market efficiency..... | 5 | 5.4 |
| Financial market development..... | 13 | 5.2 |
| Technological readiness..... | 7 | 6.0 |
| Market size..... | 6 | 5.8 |
| Innovation and sophistication factors (30.0%) | 9 | 5.3 |
| Business sophistication..... | 8 | 5.5 |
| Innovation..... | 10 | 5.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

United Kingdom

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|-------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 6.2 | 5 | 6.01 | Intensity of local competition | 6.0 | 5 |
| 1.02 | Intellectual property protection | 5.9 | 6 | 6.02 | Extent of market dominance | 5.5 | 6 |
| 1.03 | Diversion of public funds | 5.7 | 13 | 6.03 | Effectiveness of anti-monopoly policy | 5.2 | 9 |
| 1.04 | Public trust in politicians | 3.8 | 31 | 6.04 | Extent and effect of taxation | 3.4 | 77 |
| 1.05 | Irregular payments and bribes | 5.9 | 17 | 6.05 | Total tax rate, % profits* | 37.3 | 67 |
| 1.06 | Judicial independence | 6.2 | 11 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 4.2 | 22 | 6.07 | No. days to start a business* | 13 | 59 |
| 1.08 | Wastefulness of government spending | 3.8 | 34 | 6.08 | Agricultural policy costs | 4.3 | 35 |
| 1.09 | Burden of government regulation | 3.4 | 72 | 6.09 | Prevalence of trade barriers | 5.4 | 13 |
| 1.10 | Efficiency of legal framework in settling disputes | 5.4 | 11 | 6.10 | Trade tariffs, % duty* | 0.9 | 6 |
| 1.11 | Efficiency of legal framework in challenging regs. | 5.1 | 11 | 6.11 | Prevalence of foreign ownership | 6.1 | 4 |
| 1.12 | Transparency of government policymaking | 5.3 | 13 | 6.12 | Business impact of rules on FDI | 5.4 | 13 |
| 1.13 | Gov't services for improved business performance | 4.1 | 42 | 6.13 | Burden of customs procedures | 5.1 | 17 |
| 1.14 | Business costs of terrorism | 5.2 | 98 | 6.14 | Imports as a percentage of GDP* | 33.4 | 107 |
| 1.15 | Business costs of crime and violence | 5.3 | 51 | 6.15 | Degree of customer orientation | 5.3 | 26 |
| 1.16 | Organized crime | 6.0 | 35 | 6.16 | Buyer sophistication | 4.6 | 9 |
| 1.17 | Reliability of police services | 5.9 | 23 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.9 | 12 | 7.01 | Cooperation in labor-employer relations | 5.0 | 27 |
| 1.19 | Strength of auditing and reporting standards | 5.9 | 13 | 7.02 | Flexibility of wage determination | 5.7 | 17 |
| 1.20 | Efficacy of corporate boards | 5.3 | 15 | 7.03 | Hiring and firing practices | 4.5 | 33 |
| 1.21 | Protection of minority shareholders' interests | 5.2 | 16 | 7.04 | Redundancy costs, weeks of salary* | 8 | 23 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.0 | 10 | 7.05 | Pay and productivity | 4.8 | 13 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 6.0 | 9 | |
| 2.01 | Quality of overall infrastructure | 5.6 | 24 | 7.07 | Brain drain | 5.6 | 4 |
| 2.02 | Quality of roads | 5.6 | 24 | 7.08 | Women in labor force, ratio to men* | 0.85 | 52 |
| 2.03 | Quality of railroad infrastructure | 5.0 | 16 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 5.8 | 12 | 8.01 | Availability of financial services | 6.4 | 3 |
| 2.05 | Quality of air transport infrastructure | 6.0 | 22 | 8.02 | Affordability of financial services | 5.3 | 15 |
| 2.06 | Available airline seat kms/week, millions* | 6,269.5 | 3 | 8.03 | Financing through local equity market | 5.0 | 8 |
| 2.07 | Quality of electricity supply | 6.7 | 8 | 8.04 | Ease of access to loans | 3.1 | 48 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 130.8 | 28 | 8.05 | Venture capital availability | 3.8 | 16 |
| 2.09 | Fixed telephone lines/100 pop.* | 53.2 | 10 | 8.06 | Soundness of banks | 4.6 | 97 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 5.2 | 27 | |
| 3.01 | Government budget balance, % GDP* | -8.7 | 137 | 8.08 | Legal rights index, 0-10 (best)* | 10 | 1 |
| 3.02 | Gross national savings, % GDP* | 12.9 | 113 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 4.5 | 65 | 9.01 | Availability of latest technologies | 6.5 | 6 |
| 3.04 | General government debt, % GDP* | 82.5 | 127 | 9.02 | Firm-level technology absorption | 5.7 | 23 |
| 3.05 | Country credit rating, 0-100 (best)* | 85.6 | 14 | 9.03 | FDI and technology transfer | 5.0 | 35 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 82.0 | 14 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 32.7 | 11 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 166.1 | 6 |
| 4.03 | Business impact of tuberculosis | 6.5 | 19 | 9.07 | Mobile broadband subscriptions/100 pop.* | 62.3 | 9 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 13.0 | 31 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.9 | 31 | 10.01 | Domestic market size index, 1-7 (best)* | 5.7 | 6 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 6.1 | 9 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 4.6 | 29 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 80.4 | 18 | 11.01 | Local supplier quantity | 5.6 | 9 |
| 4.09 | Quality of primary education | 4.9 | 27 | 11.02 | Local supplier quality | 5.4 | 18 |
| 4.10 | Primary education enrollment, net %* | 99.6 | 8 | 11.03 | State of cluster development | 5.1 | 10 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 6.0 | 6 | |
| 5.01 | Secondary education enrollment, gross %* | 101.8 | 24 | 11.05 | Value chain breadth | 5.4 | 8 |
| 5.02 | Tertiary education enrollment, gross %* | 58.5 | 40 | 11.06 | Control of international distribution | 5.0 | 14 |
| 5.03 | Quality of the educational system | 4.7 | 27 | 11.07 | Production process sophistication | 5.5 | 17 |
| 5.04 | Quality of math and science education | 4.5 | 42 | 11.08 | Extent of marketing | 6.2 | 1 |
| 5.05 | Quality of management schools | 6.1 | 1 | 11.09 | Willingness to delegate authority | 4.9 | 17 |
| 5.06 | Internet access in schools | 6.2 | 8 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 5.9 | 6 | 12.01 | Capacity for innovation | 5.0 | 12 |
| 5.08 | Extent of staff training | 5.0 | 14 | 12.02 | Quality of scientific research institutions | 6.2 | 3 |
| | | | | 12.03 | Company spending on R&D | 4.8 | 12 |
| | | | | 12.04 | University-industry collaboration in R&D | 5.8 | 2 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 45 |
| | | | | 12.06 | Availability of scientists and engineers | 5.1 | 12 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 93.0 | 18 |

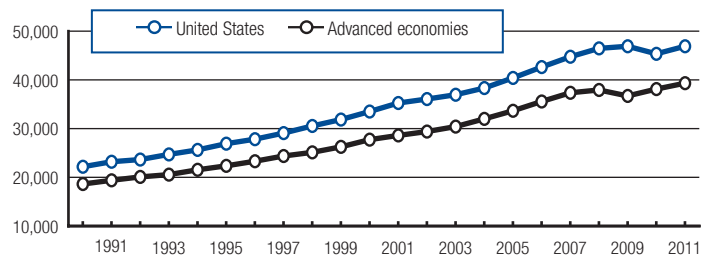
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

United States

Key indicators, 2011

| | |
|--|----------|
| Population (millions)..... | 325.1 |
| GDP (US\$ billions)..... | 15,094.0 |
| GDP per capita (US\$)..... | 48,387 |
| GDP (PPP) as share (%) of world total..... | 19.13 |

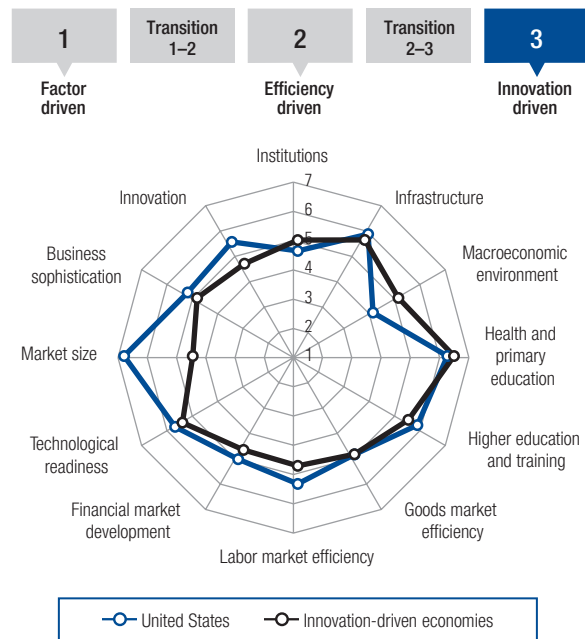
GDP (PPP) per capita (int'l \$), 1990–2011



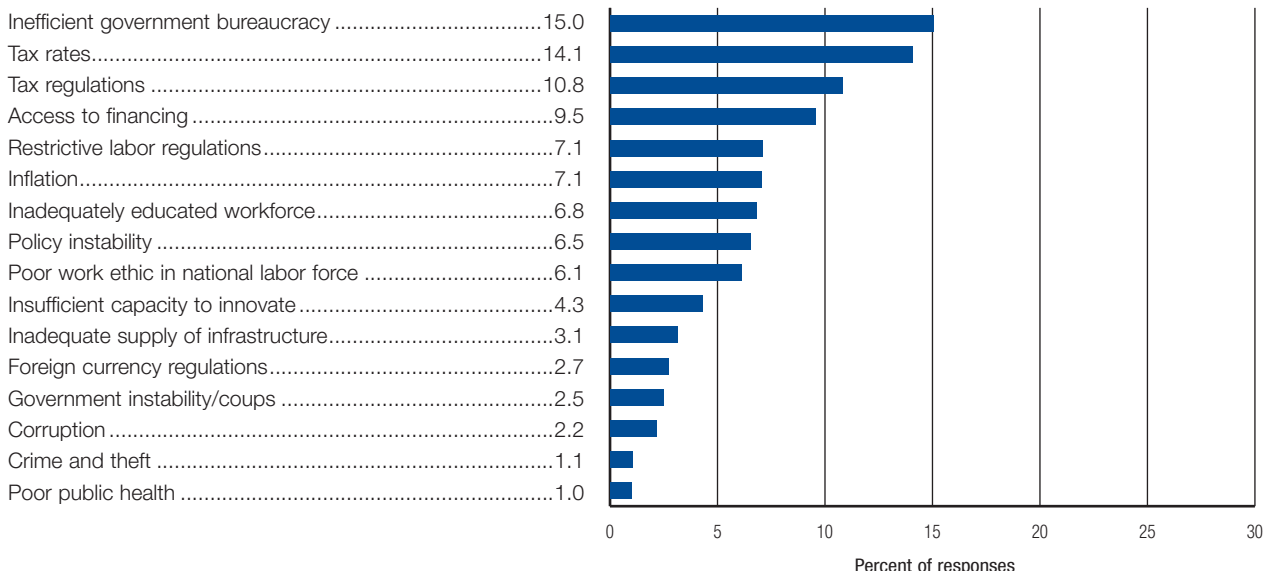
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 7 | 5.5 |
| GCI 2011–2012 (out of 142)..... | 5 | 5.4 |
| GCI 2010–2011 (out of 139)..... | 4 | 5.4 |
| Basic requirements (20.0%) | 33 | 5.1 |
| Institutions..... | 41 | 4.6 |
| Infrastructure..... | 14 | 5.8 |
| Macroeconomic environment..... | 111 | 4.0 |
| Health and primary education..... | 34 | 6.1 |
| Efficiency enhancers (50.0%) | 2 | 5.6 |
| Higher education and training..... | 8 | 5.7 |
| Goods market efficiency..... | 23 | 4.9 |
| Labor market efficiency..... | 6 | 5.4 |
| Financial market development..... | 16 | 5.1 |
| Technological readiness..... | 11 | 5.8 |
| Market size..... | 1 | 6.9 |
| Innovation and sophistication factors (30.0%) | 7 | 5.4 |
| Business sophistication..... | 10 | 5.3 |
| Innovation..... | 6 | 5.5 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

United States

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 |
|--|--|----------------|---|---|--------------|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | |
| 1.01 | Property rights | 5.0.....42 | 6.01 | Intensity of local competition | 5.6.....18 |
| 1.02 | Intellectual property protection | 5.0.....29 | 6.02 | Extent of market dominance | 5.2.....9 |
| 1.03 | Diversion of public funds | 4.6.....34 | 6.03 | Effectiveness of anti-monopoly policy | 4.9.....17 |
| 1.04 | Public trust in politicians | 3.1.....54 | 6.04 | Extent and effect of taxation | 3.5.....68 |
| 1.05 | Irregular payments and bribes | 4.8.....42 | 6.05 | Total tax rate, % profits* | 46.7.....103 |
| 1.06 | Judicial independence | 4.9.....38 | 6.06 | No. procedures to start a business* | 6.....47 |
| 1.07 | Favoritism in decisions of government officials | 3.2.....59 | 6.07 | No. days to start a business* | 6.....16 |
| 1.08 | Wastefulness of government spending | 3.2.....76 | 6.08 | Agricultural policy costs | 3.9.....65 |
| 1.09 | Burden of government regulation | 3.3.....76 | 6.09 | Prevalence of trade barriers | 4.6.....50 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.5.....35 | 6.10 | Trade tariffs, % duty* | 1.4.....35 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.2.....37 | 6.11 | Prevalence of foreign ownership | 5.0.....51 |
| 1.12 | Transparency of government policymaking | 4.4.....56 | 6.12 | Business impact of rules on FDI | 4.7.....64 |
| 1.13 | Gov't services for improved business performance | 4.2.....33 | 6.13 | Burden of customs procedures | 4.5.....48 |
| 1.14 | Business costs of terrorism | 4.4.....124 | 6.14 | Imports as a percentage of GDP* | 17.6.....142 |
| 1.15 | Business costs of crime and violence | 4.5.....86 | 6.15 | Degree of customer orientation | 5.4.....18 |
| 1.16 | Organized crime | 4.9.....87 | 6.16 | Buyer sophistication | 4.6.....10 |
| 1.17 | Reliability of police services | 5.5.....30 | 7th pillar: Labor market efficiency | | |
| 1.18 | Ethical behavior of firms | 5.0.....29 | 7.01 | Cooperation in labor-employer relations | 4.7.....42 |
| 1.19 | Strength of auditing and reporting standards | 5.2.....37 | 7.02 | Flexibility of wage determination | 5.4.....34 |
| 1.20 | Efficacy of corporate boards | 5.1.....23 | 7.03 | Hiring and firing practices | 5.0.....8 |
| 1.21 | Protection of minority shareholders' interests | 4.8.....33 | 7.04 | Redundancy costs, weeks of salary* | 0.....1 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 8.3.....5 | 7.05 | Pay and productivity | 4.8.....12 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.4.....19 |
| 2.01 | Quality of overall infrastructure | 5.6.....25 | 7.07 | Brain drain | 5.6.....5 |
| 2.02 | Quality of roads | 5.7.....20 | 7.08 | Women in labor force, ratio to men* | 0.86.....44 |
| 2.03 | Quality of railroad infrastructure | 4.8.....18 | 8th pillar: Financial market development | | |
| 2.04 | Quality of port infrastructure | 5.6.....19 | 8.01 | Availability of financial services | 6.0.....12 |
| 2.05 | Quality of air transport infrastructure | 5.8.....30 | 8.02 | Affordability of financial services | 5.3.....13 |
| 2.06 | Available airline seat kms/week, millions* | 32,294.3.....1 | 8.03 | Financing through local equity market | 4.6.....18 |
| 2.07 | Quality of electricity supply | 6.0.....33 | 8.04 | Ease of access to loans | 3.8.....20 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 105.9.....72 | 8.05 | Venture capital availability | 4.1.....10 |
| 2.09 | Fixed telephone lines/100 pop.* | 47.9.....15 | 8.06 | Soundness of banks | 5.0.....80 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.8.....39 |
| 3.01 | Government budget balance, % GDP* | -9.6.....140 | 8.08 | Legal rights index, 0-10 (best)* | 9.....11 |
| 3.02 | Gross national savings, % GDP* | 12.9.....114 | 9th pillar: Technological readiness | | |
| 3.03 | Inflation, annual % change* | 3.1.....31 | 9.01 | Availability of latest technologies | 6.3.....14 |
| 3.04 | General government debt, % GDP* | 102.9.....136 | 9.02 | Firm-level technology absorption | 5.9.....14 |
| 3.05 | Country credit rating, 0-100 (best)* | 89.4.....11 | 9.03 | FDI and technology transfer | 4.9.....43 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 77.9.....20 |
| 4.01 | Business impact of malaria | n/appl.....1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 28.7.....17 |
| 4.02 | Malaria cases/100,000 pop.* | (NE).....1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 47.2.....33 |
| 4.03 | Business impact of tuberculosis | 5.6.....59 | 9.07 | Mobile broadband subscriptions/100 pop.* | 65.5.....8 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 4.1.....4 | 10th pillar: Market size | | |
| 4.05 | Business impact of HIV/AIDS | 5.0.....90 | 10.01 | Domestic market size index, 1-7 (best)* | 7.0.....1 |
| 4.06 | HIV prevalence, % adult pop.* | 0.6.....92 | 10.02 | Foreign market size index, 1-7 (best)* | 6.7.....2 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 6.5.....41 | 11th pillar: Business sophistication | | |
| 4.08 | Life expectancy, years* | 78.2.....34 | 11.01 | Local supplier quantity | 5.4.....14 |
| 4.09 | Quality of primary education | 4.6.....38 | 11.02 | Local supplier quality | 5.5.....14 |
| 4.10 | Primary education enrollment, net %* | 94.6.....58 | 11.03 | State of cluster development | 5.0.....12 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 5.2.....18 |
| 5.01 | Secondary education enrollment, gross %* | 96.0.....47 | 11.05 | Value chain breadth | 5.1.....13 |
| 5.02 | Tertiary education enrollment, gross %* | 94.8.....2 | 11.06 | Control of international distribution | 5.1.....10 |
| 5.03 | Quality of the educational system | 4.7.....28 | 11.07 | Production process sophistication | 5.7.....11 |
| 5.04 | Quality of math and science education | 4.3.....47 | 11.08 | Extent of marketing | 5.9.....3 |
| 5.05 | Quality of management schools | 5.4.....12 | 11.09 | Willingness to delegate authority | 5.1.....10 |
| 5.06 | Internet access in schools | 5.7.....24 | 12th pillar: Innovation | | |
| 5.07 | Availability of research and training services | 5.6.....9 | 12.01 | Capacity for innovation | 5.2.....7 |
| 5.08 | Extent of staff training | 5.0.....15 | 12.02 | Quality of scientific research institutions | 5.8.....6 |
| | | | 12.03 | Company spending on R&D | 5.3.....7 |
| | | | 12.04 | University-industry collaboration in R&D | 5.6.....3 |
| | | | 12.05 | Gov't procurement of advanced tech products | 4.4.....15 |
| | | | 12.06 | Availability of scientists and engineers | 5.4.....5 |
| | | | 12.07 | PCT patents, applications/million pop.* | 137.9.....12 |

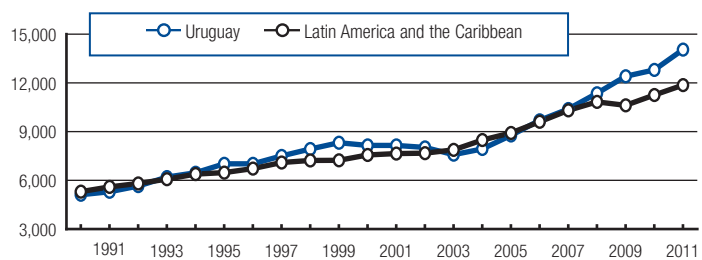
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Uruguay

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 3.5 |
| GDP (US\$ billions)..... | 46.9 |
| GDP per capita (US\$)..... | 13,914 |
| GDP (PPP) as share (%) of world total..... | 0.07 |

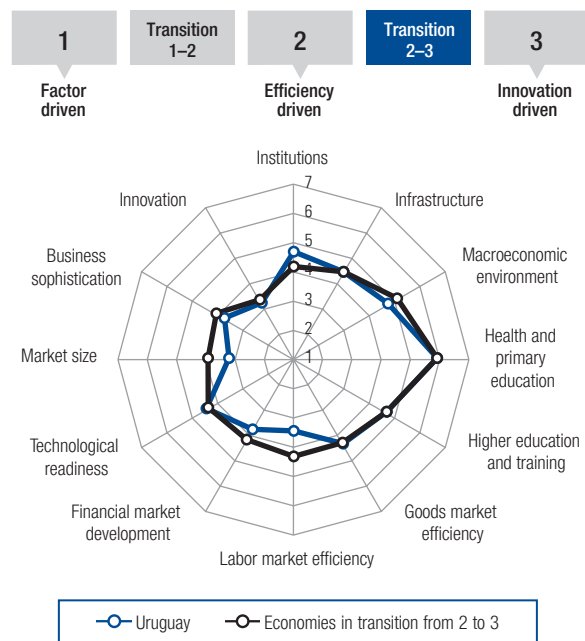
GDP (PPP) per capita (int'l \$), 1990–2011



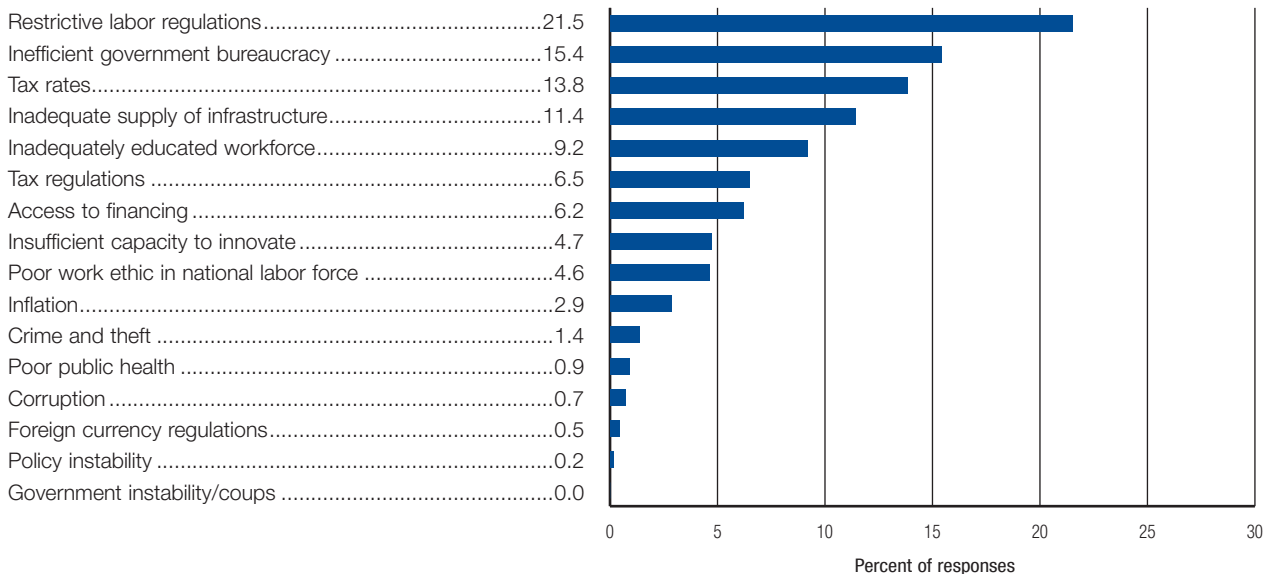
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|--|----------------------|----------------|
| GCI 2012–2013 | 74 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 63 | 4.3 |
| GCI 2010–2011 (out of 139)..... | 64 | 4.2 |
| Basic requirements (27.7%) | 43 | 4.9 |
| Institutions..... | 36 | 4.6 |
| Infrastructure..... | 49 | 4.4 |
| Macroeconomic environment..... | 63 | 4.7 |
| Health and primary education..... | 50 | 5.9 |
| Efficiency enhancers (50.0%) | 73 | 4.0 |
| Higher education and training..... | 50 | 4.7 |
| Goods market efficiency..... | 52 | 4.4 |
| Labor market efficiency..... | 136 | 3.5 |
| Financial market development..... | 90 | 3.8 |
| Technological readiness..... | 47 | 4.4 |
| Market size..... | 86 | 3.2 |
| Innovation and sophistication factors (22.3%) | 78 | 3.5 |
| Business sophistication..... | 88 | 3.7 |
| Innovation..... | 69 | 3.2 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Uruguay

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 5.0 | 41 | 6.01 | Intensity of local competition | 4.4 | 99 |
| 1.02 | Intellectual property protection | 4.0 | 49 | 6.02 | Extent of market dominance | 4.1 | 42 |
| 1.03 | Diversion of public funds | 5.0 | 26 | 6.03 | Effectiveness of anti-monopoly policy | 3.4 | 119 |
| 1.04 | Public trust in politicians | 4.3 | 21 | 6.04 | Extent and effect of taxation | 3.1 | 110 |
| 1.05 | Irregular payments and bribes | 5.5 | 28 | 6.05 | Total tax rate, % profits* | 42.0 | 84 |
| 1.06 | Judicial independence | 5.2 | 29 | 6.06 | No. procedures to start a business* | 5 | 29 |
| 1.07 | Favoritism in decisions of government officials | 4.0 | 32 | 6.07 | No. days to start a business* | 7 | 25 |
| 1.08 | Wastefulness of government spending | 2.9 | 95 | 6.08 | Agricultural policy costs | 5.1 | 5 |
| 1.09 | Burden of government regulation | 3.1 | 89 | 6.09 | Prevalence of trade barriers | 4.6 | 48 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.8 | 63 | 6.10 | Trade tariffs, % duty* | 8.2 | 93 |
| 1.11 | Efficiency of legal framework in challenging regs. | 4.0 | 46 | 6.11 | Prevalence of foreign ownership | 5.7 | 12 |
| 1.12 | Transparency of government policymaking | 5.0 | 26 | 6.12 | Business impact of rules on FDI | 5.7 | 7 |
| 1.13 | Gov't services for improved business performance | 3.1 | 107 | 6.13 | Burden of customs procedures | 4.2 | 66 |
| 1.14 | Business costs of terrorism | 6.3 | 19 | 6.14 | Imports as a percentage of GDP* | 26.6 | 127 |
| 1.15 | Business costs of crime and violence | 4.5 | 88 | 6.15 | Degree of customer orientation | 4.5 | 77 |
| 1.16 | Organized crime | 6.0 | 33 | 6.16 | Buyer sophistication | 3.6 | 55 |
| 1.17 | Reliability of police services | 4.2 | 71 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 5.0 | 34 | 7.01 | Cooperation in labor-employer relations | 3.3 | 136 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 71 | 7.02 | Flexibility of wage determination | 2.2 | 144 |
| 1.20 | Efficacy of corporate boards | 4.5 | 72 | 7.03 | Hiring and firing practices | 2.7 | 138 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 49 | 7.04 | Redundancy costs, weeks of salary* | 21 | 93 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.0 | 80 | 7.05 | Pay and productivity | 2.5 | 143 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.8 | 97 | |
| 2.01 | Quality of overall infrastructure | 4.0 | 81 | 7.07 | Brain drain | 3.3 | 81 |
| 2.02 | Quality of roads | 3.6 | 81 | 7.08 | Women in labor force, ratio to men* | 0.78 | 74 |
| 2.03 | Quality of railroad infrastructure | 1.3 | 115 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.9 | 46 | 8.01 | Availability of financial services | 4.1 | 94 |
| 2.05 | Quality of air transport infrastructure | 4.9 | 63 | 8.02 | Affordability of financial services | 4.3 | 61 |
| 2.06 | Available airline seat kms/week, millions* | 65.1 | 89 | 8.03 | Financing through local equity market | 2.1 | 134 |
| 2.07 | Quality of electricity supply | 5.9 | 37 | 8.04 | Ease of access to loans | 2.6 | 85 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 140.8 | 21 | 8.05 | Venture capital availability | 2.5 | 77 |
| 2.09 | Fixed telephone lines/100 pop.* | 28.5 | 44 | 8.06 | Soundness of banks | 5.6 | 44 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.5 | 49 | |
| 3.01 | Government budget balance, % GDP* | -0.8 | 34 | 8.08 | Legal rights index, 0-10 (best)* | 4 | 99 |
| 3.02 | Gross national savings, % GDP* | 16.2 | 91 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.1 | 109 | 9.01 | Availability of latest technologies | 4.8 | 82 |
| 3.04 | General government debt, % GDP* | 54.2 | 101 | 9.02 | Firm-level technology absorption | 4.6 | 83 |
| 3.05 | Country credit rating, 0-100 (best)* | 57.3 | 55 | 9.03 | FDI and technology transfer | 5.4 | 13 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 51.4 | 53 | |
| 4.01 | Business impact of malaria | n/appl. | 1 | 9.05 | Broadband Internet subscriptions/100 pop.* | 13.5 | 45 |
| 4.02 | Malaria cases/100,000 pop.* | (NE) | 1 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 32.1 | 43 |
| 4.03 | Business impact of tuberculosis | 6.6 | 11 | 9.07 | Mobile broadband subscriptions/100 pop.* | 9.0 | 71 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 21.0 | 46 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 6.1 | 25 | 10.01 | Domestic market size index, 1-7 (best)* | 3.1 | 84 |
| 4.06 | HIV prevalence, % adult pop.* | 0.5 | 87 | 10.02 | Foreign market size index, 1-7 (best)* | 3.6 | 97 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 9.2 | 53 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 76.2 | 44 | 11.01 | Local supplier quantity | 4.0 | 123 |
| 4.09 | Quality of primary education | 3.3 | 92 | 11.02 | Local supplier quality | 4.3 | 79 |
| 4.10 | Primary education enrollment, net %* | 99.1 | 14 | 11.03 | State of cluster development | 3.5 | 80 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.1 | 96 | |
| 5.01 | Secondary education enrollment, gross %* | 90.2 | 65 | 11.05 | Value chain breadth | 3.5 | 80 |
| 5.02 | Tertiary education enrollment, gross %* | 63.3 | 25 | 11.06 | Control of international distribution | 3.9 | 83 |
| 5.03 | Quality of the educational system | 3.1 | 107 | 11.07 | Production process sophistication | 3.7 | 65 |
| 5.04 | Quality of math and science education | 3.0 | 118 | 11.08 | Extent of marketing | 4.2 | 65 |
| 5.05 | Quality of management schools | 4.4 | 54 | 11.09 | Willingness to delegate authority | 3.4 | 96 |
| 5.06 | Internet access in schools | 6.0 | 15 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.5 | 46 | 12.01 | Capacity for innovation | 3.1 | 74 |
| 5.08 | Extent of staff training | 3.8 | 86 | 12.02 | Quality of scientific research institutions | 3.7 | 62 |
| | | | | 12.03 | Company spending on R&D | 3.2 | 57 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.7 | 61 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.6 | 70 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 117 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 2.1 | 53 |

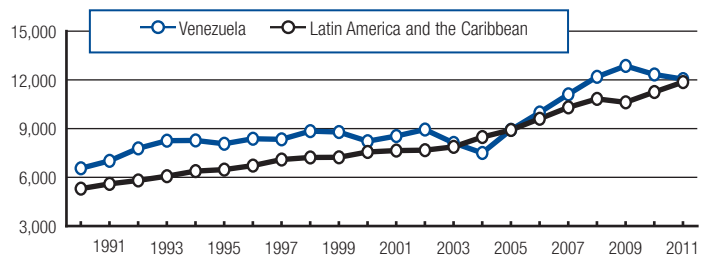
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Venezuela

Key indicators, 2011

| | |
|--|--------|
| Population (millions)..... | 29.7 |
| GDP (US\$ billions)..... | 315.8 |
| GDP per capita (US\$)..... | 10,610 |
| GDP (PPP) as share (%) of world total..... | 0.47 |

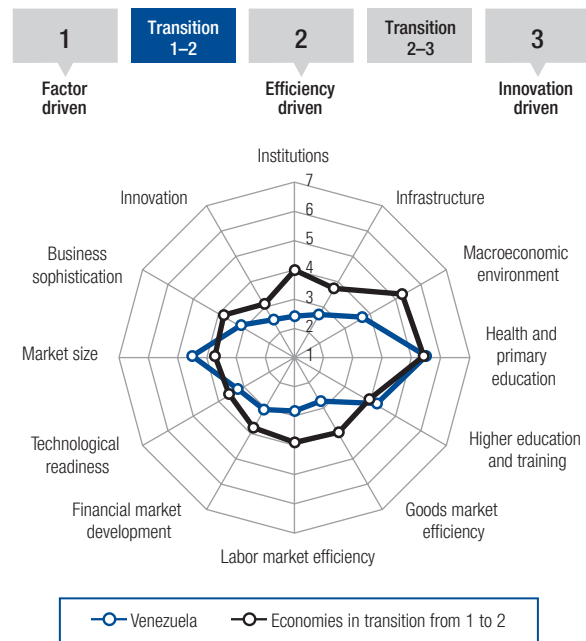
GDP (PPP) per capita (int'l \$), 1990–2011



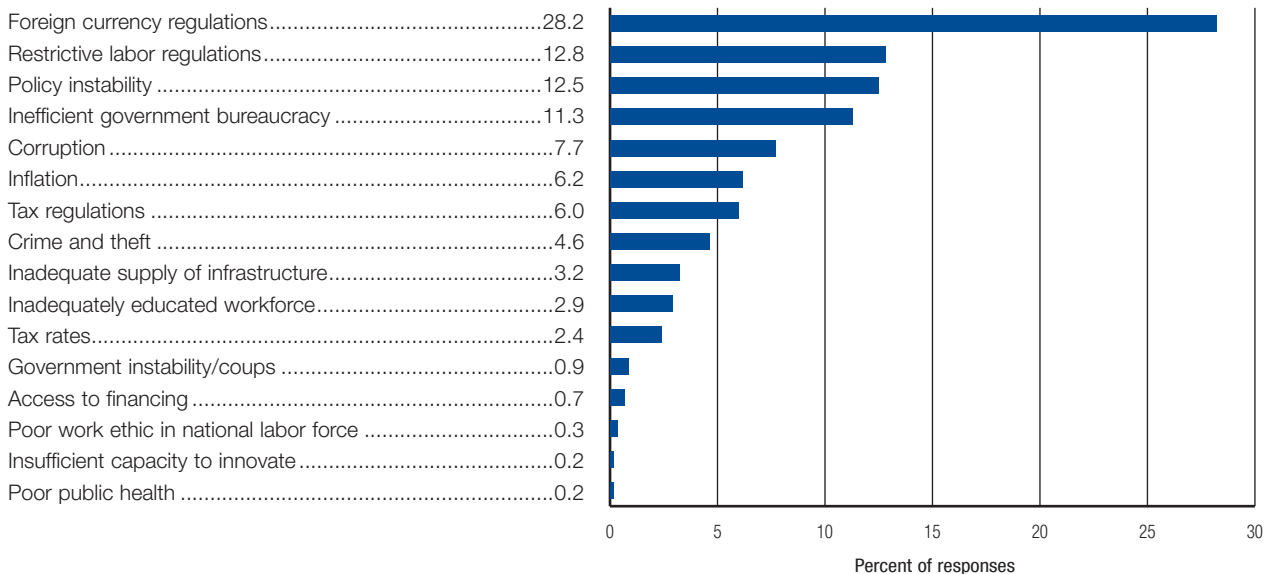
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 126 | 3.5 |
| GCI 2011–2012 (out of 142)..... | 124 | 3.5 |
| GCI 2010–2011 (out of 139)..... | 122 | 3.5 |
| Basic requirements (54.6%) | 126 | 3.5 |
| Institutions..... | 144 | 2.4 |
| Infrastructure..... | 120 | 2.6 |
| Macroeconomic environment..... | 126 | 3.7 |
| Health and primary education..... | 84 | 5.5 |
| Efficiency enhancers (39.1%) | 117 | 3.5 |
| Higher education and training..... | 68 | 4.2 |
| Goods market efficiency..... | 144 | 2.8 |
| Labor market efficiency..... | 143 | 2.9 |
| Financial market development..... | 133 | 3.1 |
| Technological readiness..... | 103 | 3.3 |
| Market size..... | 41 | 4.5 |
| Innovation and sophistication factors (6.4%) | 135 | 2.8 |
| Business sophistication..... | 133 | 3.1 |
| Innovation..... | 131 | 2.4 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|--------------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 1.8 | 144 | 6.01 | Intensity of local competition | 3.3 | 143 |
| 1.02 | Intellectual property protection | 1.7 | 143 | 6.02 | Extent of market dominance | 2.7 | 138 |
| 1.03 | Diversion of public funds | 1.7 | 143 | 6.03 | Effectiveness of anti-monopoly policy | 2.4 | 144 |
| 1.04 | Public trust in politicians | 1.7 | 137 | 6.04 | Extent and effect of taxation | 3.0 | 112 |
| 1.05 | Irregular payments and bribes | 2.6 | 134 | 6.05 | Total tax rate, % profits* | 63.5 | 125 |
| 1.06 | Judicial independence | 1.3 | 144 | 6.06 | No. procedures to start a business* | 17 | 141 |
| 1.07 | Favoritism in decisions of government officials | 1.9 | 142 | 6.07 | No. days to start a business* | 141 | 140 |
| 1.08 | Wastefulness of government spending | 1.9 | 143 | 6.08 | Agricultural policy costs | 2.2 | 144 |
| 1.09 | Burden of government regulation | 2.1 | 143 | 6.09 | Prevalence of trade barriers | 3.0 | 142 |
| 1.10 | Efficiency of legal framework in settling disputes | 1.9 | 144 | 6.10 | Trade tariffs, % duty* | 12.5 | 125 |
| 1.11 | Efficiency of legal framework in challenging regs. | 1.7 | 144 | 6.11 | Prevalence of foreign ownership | 3.5 | 129 |
| 1.12 | Transparency of government policymaking | 3.0 | 142 | 6.12 | Business impact of rules on FDI | 1.9 | 144 |
| 1.13 | Gov't services for improved business performance | 1.7 | 139 | 6.13 | Burden of customs procedures | 2.1 | 144 |
| 1.14 | Business costs of terrorism | 5.1 | 100 | 6.14 | Imports as a percentage of GDP* | 18.7 | 141 |
| 1.15 | Business costs of crime and violence | 2.3 | 140 | 6.15 | Degree of customer orientation | 3.4 | 141 |
| 1.16 | Organized crime | 2.7 | 142 | 6.16 | Buyer sophistication | 3.0 | 107 |
| 1.17 | Reliability of police services | 2.1 | 142 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.0 | 137 | 7.01 | Cooperation in labor-employer relations | 3.2 | 142 |
| 1.19 | Strength of auditing and reporting standards | 4.2 | 99 | 7.02 | Flexibility of wage determination | 3.6 | 131 |
| 1.20 | Efficacy of corporate boards | 3.9 | 129 | 7.03 | Hiring and firing practices | 2.1 | 144 |
| 1.21 | Protection of minority shareholders' interests | 3.2 | 130 | 7.04 | Redundancy costs, weeks of salary* | not possible | 140 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 2.3 | 140 | 7.05 | Pay and productivity | 2.7 | 140 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.2 | 75 | |
| 2.01 | Quality of overall infrastructure | 2.8 | 135 | 7.07 | Brain drain | 2.0 | 138 |
| 2.02 | Quality of roads | 2.6 | 128 | 7.08 | Women in labor force, ratio to men* | 0.66 | 105 |
| 2.03 | Quality of railroad infrastructure | 1.4 | 113 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 2.5 | 139 | 8.01 | Availability of financial services | 3.7 | 122 |
| 2.05 | Quality of air transport infrastructure | 3.3 | 126 | 8.02 | Affordability of financial services | 3.5 | 112 |
| 2.06 | Available airline seat kms/week, millions* | 258.2 | 57 | 8.03 | Financing through local equity market | 1.8 | 140 |
| 2.07 | Quality of electricity supply | 2.0 | 131 | 8.04 | Ease of access to loans | 2.5 | 92 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 97.8 | 89 | 8.05 | Venture capital availability | 2.2 | 109 |
| 2.09 | Fixed telephone lines/100 pop.* | 24.9 | 49 | 8.06 | Soundness of banks | 4.6 | 96 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.2 | 62 | |
| 3.01 | Government budget balance, % GDP* | -5.3 | 113 | 8.08 | Legal rights index, 0-10 (best)* | 1 | 140 |
| 3.02 | Gross national savings, % GDP* | 31.3 | 23 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 26.1 | 144 | 9.01 | Availability of latest technologies | 4.5 | 103 |
| 3.04 | General government debt, % GDP* | 45.5 | 86 | 9.02 | Firm-level technology absorption | 4.1 | 117 |
| 3.05 | Country credit rating, 0-100 (best)* | 36.2 | 87 | 9.03 | FDI and technology transfer | 3.7 | 129 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 40.2 | 71 | |
| 4.01 | Business impact of malaria | 5.3 | 96 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.9 | 103 |
| 4.02 | Malaria cases/100,000 pop.* | 301.8 | 104 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 8.1 | 92 |
| 4.03 | Business impact of tuberculosis | 5.1 | 85 | 9.07 | Mobile broadband subscriptions/100 pop.* | 4.2 | 85 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 33.0 | 59 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.9 | 93 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 37 |
| 4.06 | HIV prevalence, % adult pop.* | 0.7 | 95 | 10.02 | Foreign market size index, 1-7 (best)* | 4.9 | 44 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 15.7 | 70 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.1 | 59 | 11.01 | Local supplier quantity | 3.2 | 143 |
| 4.09 | Quality of primary education | 2.8 | 117 | 11.02 | Local supplier quality | 3.5 | 135 |
| 4.10 | Primary education enrollment, net %* | 92.5 | 78 | 11.03 | State of cluster development | 2.9 | 128 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.4 | 140 | |
| 5.01 | Secondary education enrollment, gross %* | 82.5 | 86 | 11.05 | Value chain breadth | 2.2 | 144 |
| 5.02 | Tertiary education enrollment, gross %* | 78.1 | 11 | 11.06 | Control of international distribution | 3.4 | 124 |
| 5.03 | Quality of the educational system | 2.8 | 122 | 11.07 | Production process sophistication | 3.1 | 115 |
| 5.04 | Quality of math and science education | 2.9 | 120 | 11.08 | Extent of marketing | 3.8 | 89 |
| 5.05 | Quality of management schools | 4.2 | 72 | 11.09 | Willingness to delegate authority | 3.2 | 116 |
| 5.06 | Internet access in schools | 3.4 | 101 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.4 | 116 | 12.01 | Capacity for innovation | 2.3 | 134 |
| 5.08 | Extent of staff training | 3.6 | 104 | 12.02 | Quality of scientific research institutions | 2.8 | 118 |
| | | | | 12.03 | Company spending on R&D | 2.5 | 127 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.6 | 66 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.0 | 144 |
| | | | | 12.06 | Availability of scientists and engineers | 3.3 | 126 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 96 |

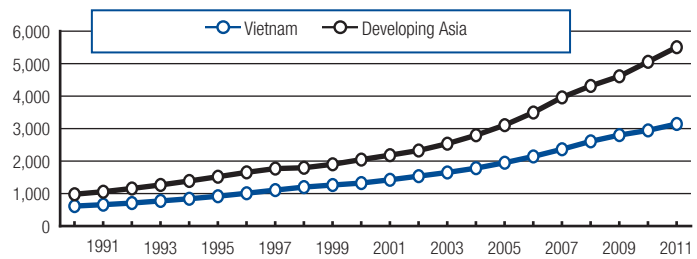
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Vietnam

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 90.0 |
| GDP (US\$ billions)..... | 122.7 |
| GDP per capita (US\$)..... | 1,374 |
| GDP (PPP) as share (%) of world total..... | 0.38 |

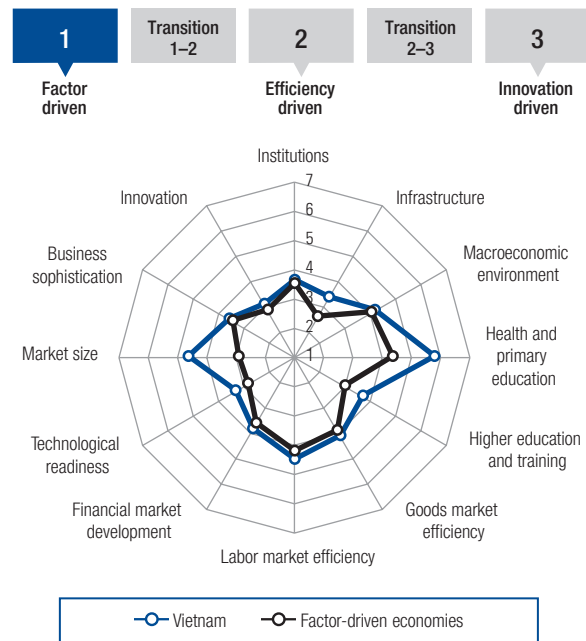
GDP (PPP) per capita (int'l \$), 1990–2011



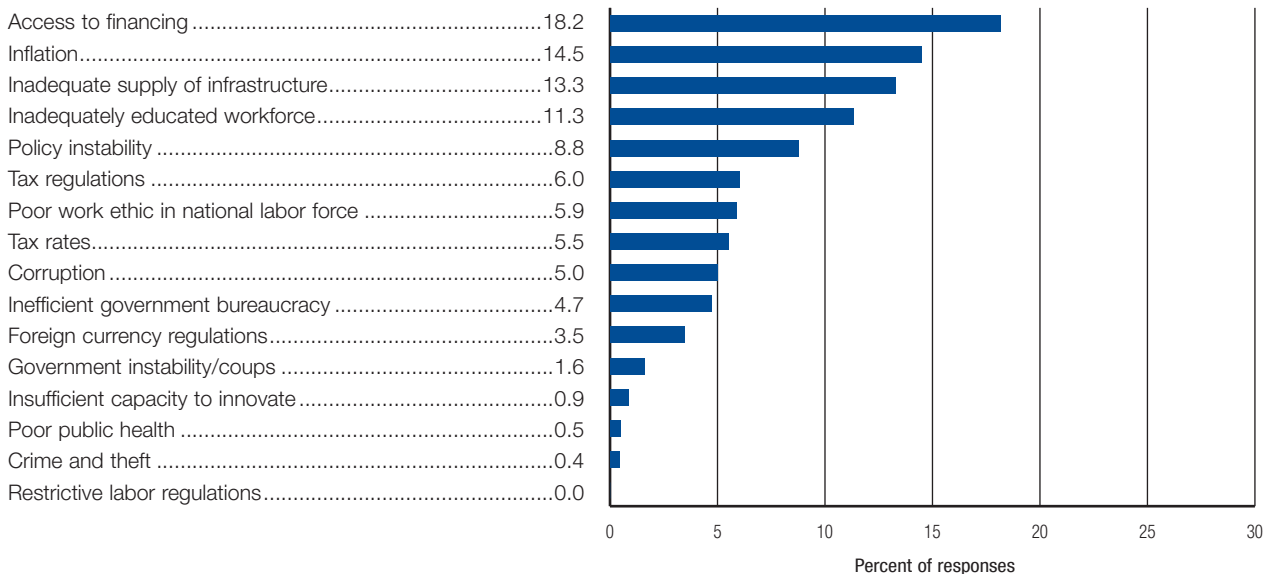
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 75 | 4.1 |
| GCI 2011–2012 (out of 142)..... | 65 | 4.2 |
| GCI 2010–2011 (out of 139)..... | 59 | 4.3 |
| Basic requirements (60.0%) | 91 | 4.2 |
| Institutions..... | 89 | 3.6 |
| Infrastructure..... | 95 | 3.3 |
| Macroeconomic environment..... | 106 | 4.2 |
| Health and primary education..... | 64 | 5.8 |
| Efficiency enhancers (35.0%) | 71 | 4.0 |
| Higher education and training..... | 96 | 3.7 |
| Goods market efficiency..... | 91 | 4.1 |
| Labor market efficiency..... | 51 | 4.5 |
| Financial market development..... | 88 | 3.9 |
| Technological readiness..... | 98 | 3.3 |
| Market size..... | 32 | 4.6 |
| Innovation and sophistication factors (5.0%) | 90 | 3.3 |
| Business sophistication..... | 100 | 3.6 |
| Innovation..... | 81 | 3.1 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Vietnam

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.5 | 113 | 6.01 | Intensity of local competition | 5.1 | 44 |
| 1.02 | Intellectual property protection | 2.6 | 123 | 6.02 | Extent of market dominance | 3.7 | 73 |
| 1.03 | Diversion of public funds | 3.3 | 69 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 82 |
| 1.04 | Public trust in politicians | 3.4 | 42 | 6.04 | Extent and effect of taxation | 3.4 | 78 |
| 1.05 | Irregular payments and bribes | 3.1 | 118 | 6.05 | Total tax rate, % profits* | 40.1 | 75 |
| 1.06 | Judicial independence | 3.4 | 87 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 79 | 6.07 | No. days to start a business* | 44 | 124 |
| 1.08 | Wastefulness of government spending | 2.6 | 110 | 6.08 | Agricultural policy costs | 4.4 | 31 |
| 1.09 | Burden of government regulation | 2.9 | 112 | 6.09 | Prevalence of trade barriers | 3.6 | 128 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.6 | 74 | 6.10 | Trade tariffs, % duty* | 7.7 | 90 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.6 | 74 | 6.11 | Prevalence of foreign ownership | 4.0 | 113 |
| 1.12 | Transparency of government policymaking | 3.9 | 100 | 6.12 | Business impact of rules on FDI | 4.4 | 94 |
| 1.13 | Gov't services for improved business performance | 3.8 | 62 | 6.13 | Burden of customs procedures | 3.4 | 114 |
| 1.14 | Business costs of terrorism | 5.4 | 84 | 6.14 | Imports as a percentage of GDP* | 96.5 | 9 |
| 1.15 | Business costs of crime and violence | 4.8 | 71 | 6.15 | Degree of customer orientation | 4.0 | 117 |
| 1.16 | Organized crime | 5.0 | 84 | 6.16 | Buyer sophistication | 3.4 | 71 |
| 1.17 | Reliability of police services | 4.6 | 53 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.6 | 88 | 7.01 | Cooperation in labor-employer relations | 4.5 | 53 |
| 1.19 | Strength of auditing and reporting standards | 3.5 | 132 | 7.02 | Flexibility of wage determination | 5.3 | 45 |
| 1.20 | Efficacy of corporate boards | 4.2 | 99 | 7.03 | Hiring and firing practices | 4.1 | 57 |
| 1.21 | Protection of minority shareholders' interests | 3.8 | 99 | 7.04 | Redundancy costs, weeks of salary* | 23 | 104 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 3.0 | 130 | 7.05 | Pay and productivity | 4.7 | 18 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 3.7 | 107 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 119 | 7.07 | Brain drain | 3.1 | 98 |
| 2.02 | Quality of roads | 2.7 | 120 | 7.08 | Women in labor force, ratio to men* | 0.92 | 19 |
| 2.03 | Quality of railroad infrastructure | 2.6 | 68 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.4 | 113 | 8.01 | Availability of financial services | 4.3 | 81 |
| 2.05 | Quality of air transport infrastructure | 4.1 | 94 | 8.02 | Affordability of financial services | 4.0 | 77 |
| 2.06 | Available airline seat kms/week, millions* | 674.5 | 33 | 8.03 | Financing through local equity market | 3.4 | 70 |
| 2.07 | Quality of electricity supply | 3.1 | 113 | 8.04 | Ease of access to loans | 2.4 | 104 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 143.4 | 18 | 8.05 | Venture capital availability | 2.3 | 96 |
| 2.09 | Fixed telephone lines/100 pop.* | 11.5 | 86 | 8.06 | Soundness of banks | 4.2 | 125 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 3.3 | 121 | |
| 3.01 | Government budget balance, % GDP* | -2.7 | 67 | 8.08 | Legal rights index, 0-10 (best)* | 8 | 24 |
| 3.02 | Gross national savings, % GDP* | 29.3 | 26 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 18.7 | 141 | 9.01 | Availability of latest technologies | 3.6 | 137 |
| 3.04 | General government debt, % GDP* | 38.0 | 67 | 9.02 | Firm-level technology absorption | 4.0 | 126 |
| 3.05 | Country credit rating, 0-100 (best)* | 42.5 | 76 | 9.03 | FDI and technology transfer | 4.3 | 94 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 35.1 | 80 | |
| 4.01 | Business impact of malaria | 4.8 | 106 | 9.05 | Broadband Internet subscriptions/100 pop.* | 4.3 | 79 |
| 4.02 | Malaria cases/100,000 pop.* | 57.6 | 93 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 10.0 | 85 |
| 4.03 | Business impact of tuberculosis | 4.3 | 119 | 9.07 | Mobile broadband subscriptions/100 pop.* | 18.0 | 52 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 199.0 | 115 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 4.4 | 110 | 10.01 | Domestic market size index, 1-7 (best)* | 4.4 | 38 |
| 4.06 | HIV prevalence, % adult pop.* | 0.4 | 78 | 10.02 | Foreign market size index, 1-7 (best)* | 5.4 | 25 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 18.6 | 81 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 74.8 | 52 | 11.01 | Local supplier quantity | 5.0 | 38 |
| 4.09 | Quality of primary education | 3.5 | 80 | 11.02 | Local supplier quality | 4.1 | 99 |
| 4.10 | Primary education enrollment, net %* | 98.0 | 26 | 11.03 | State of cluster development | 4.2 | 36 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.5 | 139 | |
| 5.01 | Secondary education enrollment, gross %* | 77.2 | 94 | 11.05 | Value chain breadth | 3.0 | 114 |
| 5.02 | Tertiary education enrollment, gross %* | 22.3 | 87 | 11.06 | Control of international distribution | 3.6 | 108 |
| 5.03 | Quality of the educational system | 3.6 | 72 | 11.07 | Production process sophistication | 3.0 | 118 |
| 5.04 | Quality of math and science education | 4.1 | 58 | 11.08 | Extent of marketing | 3.5 | 110 |
| 5.05 | Quality of management schools | 3.2 | 125 | 11.09 | Willingness to delegate authority | 3.3 | 105 |
| 5.06 | Internet access in schools | 5.0 | 41 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.1 | 126 | 12.01 | Capacity for innovation | 3.0 | 78 |
| 5.08 | Extent of staff training | 3.3 | 116 | 12.02 | Quality of scientific research institutions | 3.4 | 87 |
| | | | | 12.03 | Company spending on R&D | 3.1 | 75 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.2 | 97 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 39 |
| | | | | 12.06 | Availability of scientists and engineers | 4.0 | 70 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 97 |

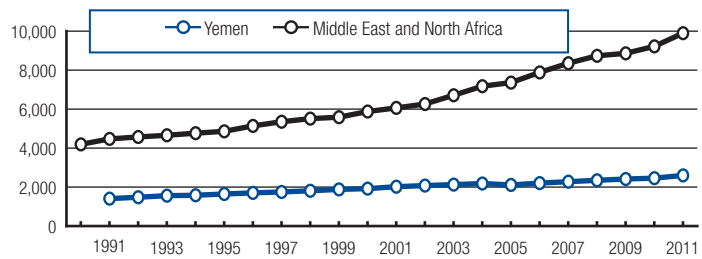
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Yemen

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 24.9 |
| GDP (US\$ billions)..... | 33.7 |
| GDP per capita (US\$)..... | 1,340 |
| GDP (PPP) as share (%) of world total..... | 0.07 |

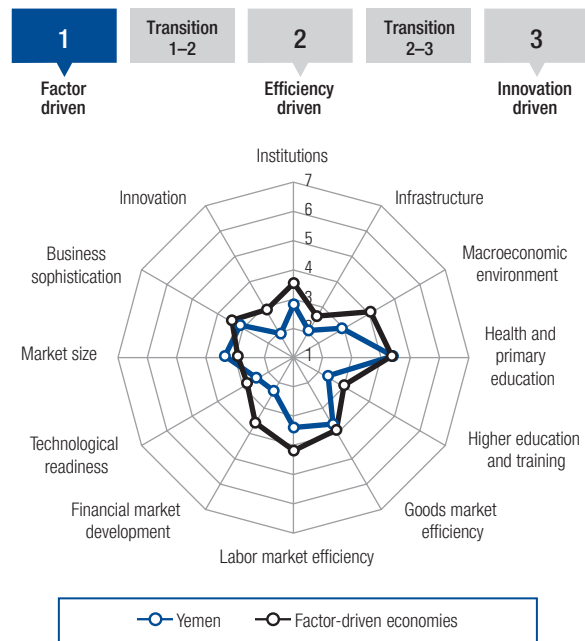
GDP (PPP) per capita (int'l \$), 1990–2011



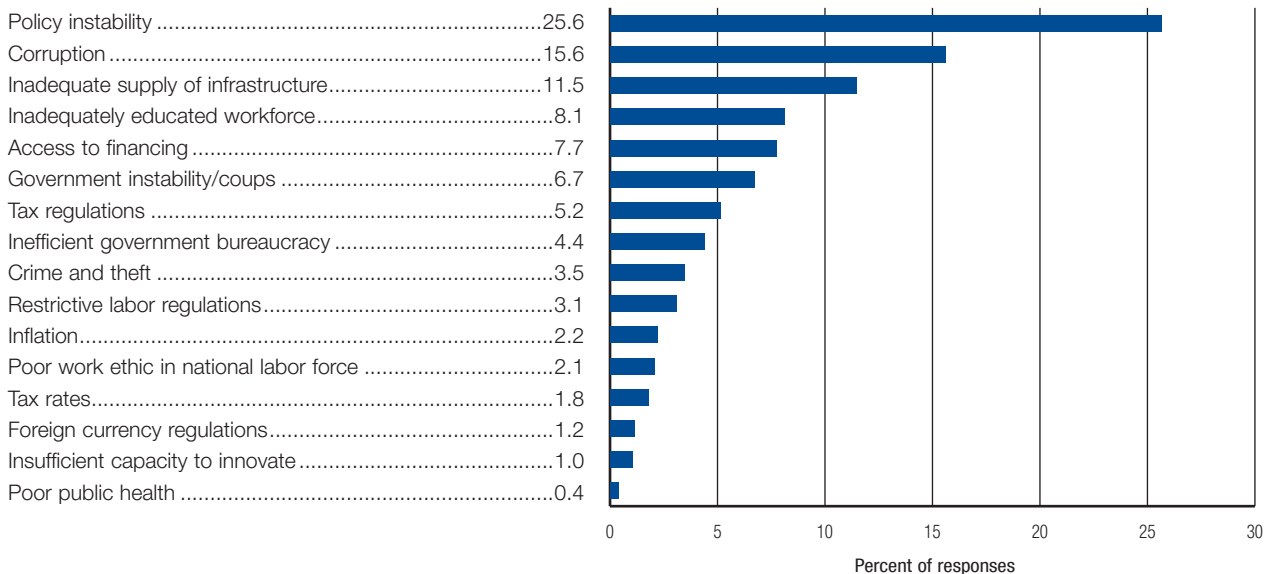
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 140 | 3.0 |
| GCI 2011–2012 (out of 142)..... | 138 | 3.1 |
| GCI 2010–2011 (out of 139)..... | n/a | n/a |
| Basic requirements (60.0%) | 141 | 3.0 |
| Institutions..... | 139 | 2.8 |
| Infrastructure..... | 139 | 2.0 |
| Macroeconomic environment..... | 140 | 2.9 |
| Health and primary education..... | 122 | 4.4 |
| Efficiency enhancers (35.0%) | 139 | 2.9 |
| Higher education and training..... | 139 | 2.4 |
| Goods market efficiency..... | 131 | 3.7 |
| Labor market efficiency..... | 138 | 3.4 |
| Financial market development..... | 143 | 2.4 |
| Technological readiness..... | 139 | 2.5 |
| Market size..... | 80 | 3.4 |
| Innovation and sophistication factors (5.0%) | 141 | 2.5 |
| Business sophistication..... | 134 | 3.1 |
| Innovation..... | 144 | 1.9 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 3.3 | 124 | 6.01 | Intensity of local competition | 4.7 | 80 |
| 1.02 | Intellectual property protection | 2.0 | 139 | 6.02 | Extent of market dominance | 2.7 | 141 |
| 1.03 | Diversion of public funds | 1.6 | 144 | 6.03 | Effectiveness of anti-monopoly policy | 2.9 | 138 |
| 1.04 | Public trust in politicians | 2.6 | 81 | 6.04 | Extent and effect of taxation | 2.8 | 126 |
| 1.05 | Irregular payments and bribes | 2.5 | 138 | 6.05 | Total tax rate, % profits* | 32.9 | 47 |
| 1.06 | Judicial independence | 2.0 | 139 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 2.1 | 139 | 6.07 | No. days to start a business* | 12 | 53 |
| 1.08 | Wastefulness of government spending | 1.9 | 142 | 6.08 | Agricultural policy costs | 2.8 | 139 |
| 1.09 | Burden of government regulation | 2.8 | 119 | 6.09 | Prevalence of trade barriers | 4.0 | 95 |
| 1.10 | Efficiency of legal framework in settling disputes | 2.1 | 142 | 6.10 | Trade tariffs, % duty* | 5.7 | 75 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.6 | 130 | 6.11 | Prevalence of foreign ownership | 2.4 | 143 |
| 1.12 | Transparency of government policymaking | 3.1 | 140 | 6.12 | Business impact of rules on FDI | 3.9 | 118 |
| 1.13 | Gov't services for improved business performance | 2.5 | 132 | 6.13 | Burden of customs procedures | 3.1 | 130 |
| 1.14 | Business costs of terrorism | 3.2 | 141 | 6.14 | Imports as a percentage of GDP* | 37.0 | 94 |
| 1.15 | Business costs of crime and violence | 3.8 | 110 | 6.15 | Degree of customer orientation | 4.2 | 108 |
| 1.16 | Organized crime | 4.9 | 90 | 6.16 | Buyer sophistication | 2.4 | 132 |
| 1.17 | Reliability of police services | 2.2 | 141 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.0 | 136 | 7.01 | Cooperation in labor-employer relations | 4.2 | 87 |
| 1.19 | Strength of auditing and reporting standards | 3.6 | 131 | 7.02 | Flexibility of wage determination | 5.9 | 11 |
| 1.20 | Efficacy of corporate boards | 3.1 | 144 | 7.03 | Hiring and firing practices | 4.0 | 72 |
| 1.21 | Protection of minority shareholders' interests | 3.3 | 129 | 7.04 | Redundancy costs, weeks of salary* | 27 | 117 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.0 | 110 | 7.05 | Pay and productivity | 3.7 | 84 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 2.5 | 142 | |
| 2.01 | Quality of overall infrastructure | 2.8 | 130 | 7.07 | Brain drain | 2.2 | 133 |
| 2.02 | Quality of roads | 2.7 | 118 | 7.08 | Women in labor force, ratio to men* | 0.35 | 136 |
| 2.03 | Quality of railroad infrastructure | n/appl. | n/a | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 3.0 | 128 | 8.01 | Availability of financial services | 2.8 | 141 |
| 2.05 | Quality of air transport infrastructure | 3.5 | 119 | 8.02 | Affordability of financial services | 2.7 | 140 |
| 2.06 | Available airline seat kms/week, millions* | 35.5 | 104 | 8.03 | Financing through local equity market | 1.7 | 142 |
| 2.07 | Quality of electricity supply | 1.4 | 142 | 8.04 | Ease of access to loans | 1.5 | 143 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 47.0 | 132 | 8.05 | Venture capital availability | 2.3 | 98 |
| 2.09 | Fixed telephone lines/100 pop.* | 4.3 | 110 | 8.06 | Soundness of banks | 3.4 | 138 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 1.4 | 144 | |
| 3.01 | Government budget balance, % GDP* | -4.4 | 102 | 8.08 | Legal rights index, 0-10 (best)* | 3 | 118 |
| 3.02 | Gross national savings, % GDP* | 2.0 | 138 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 17.6 | 137 | 9.01 | Availability of latest technologies | 3.5 | 141 |
| 3.04 | General government debt, % GDP* | 42.5 | 79 | 9.02 | Firm-level technology absorption | 4.3 | 109 |
| 3.05 | Country credit rating, 0-100 (best)* | 20.1 | 125 | 9.03 | FDI and technology transfer | 3.2 | 144 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 14.9 | 108 | |
| 4.01 | Business impact of malaria | 4.7 | 108 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.4 | 108 |
| 4.02 | Malaria cases/100,000 pop.* | 3,233.9 | 116 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.1 | 132 |
| 4.03 | Business impact of tuberculosis | 5.3 | 75 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.1 | 124 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 49.0 | 71 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 5.8 | 38 | 10.01 | Domestic market size index, 1-7 (best)* | 3.2 | 77 |
| 4.06 | HIV prevalence, % adult pop.* | 0.2 | 54 | 10.02 | Foreign market size index, 1-7 (best)* | 3.8 | 85 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 57.3 | 122 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 65.0 | 111 | 11.01 | Local supplier quantity | 5.3 | 22 |
| 4.09 | Quality of primary education | 1.8 | 144 | 11.02 | Local supplier quality | 3.0 | 144 |
| 4.10 | Primary education enrollment, net %* | 77.6 | 127 | 11.03 | State of cluster development | 2.2 | 143 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.8 | 118 | |
| 5.01 | Secondary education enrollment, gross %* | 44.1 | 119 | 11.05 | Value chain breadth | 2.7 | 133 |
| 5.02 | Tertiary education enrollment, gross %* | 10.2 | 112 | 11.06 | Control of international distribution | 3.1 | 133 |
| 5.03 | Quality of the educational system | 1.8 | 144 | 11.07 | Production process sophistication | 2.4 | 138 |
| 5.04 | Quality of math and science education | 1.9 | 144 | 11.08 | Extent of marketing | 2.7 | 134 |
| 5.05 | Quality of management schools | 2.4 | 142 | 11.09 | Willingness to delegate authority | 4.2 | 38 |
| 5.06 | Internet access in schools | 1.7 | 140 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 2.5 | 140 | 12.01 | Capacity for innovation | 1.9 | 142 |
| 5.08 | Extent of staff training | 3.2 | 121 | 12.02 | Quality of scientific research institutions | 1.9 | 143 |
| | | | | 12.03 | Company spending on R&D | 1.7 | 144 |
| | | | | 12.04 | University-industry collaboration in R&D | 1.9 | 143 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.1 | 143 |
| | | | | 12.06 | Availability of scientists and engineers | 2.7 | 140 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 106 |

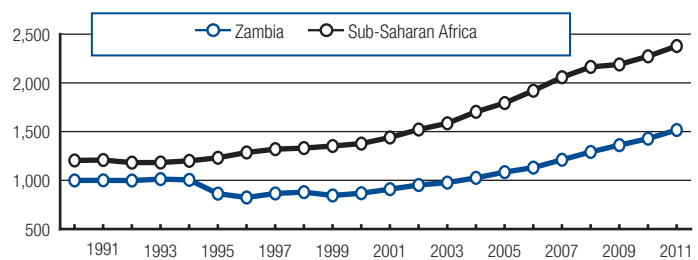
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Zambia

Key indicators, 2011

| | |
|--|-------|
| Population (millions)..... | 13.5 |
| GDP (US\$ billions)..... | 19.2 |
| GDP per capita (US\$)..... | 1,414 |
| GDP (PPP) as share (%) of world total..... | 0.03 |

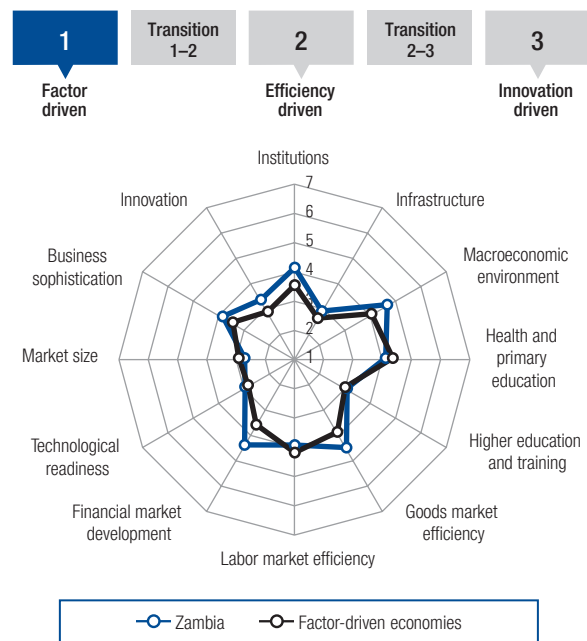
GDP (PPP) per capita (int'l \$), 1990–2011



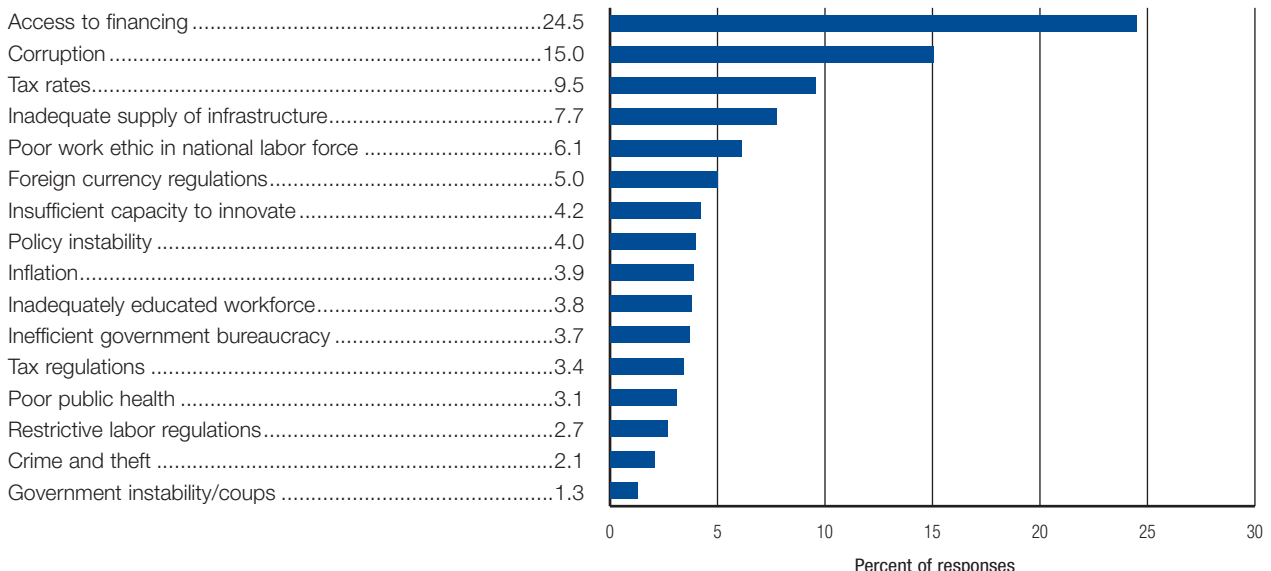
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 102 | 3.8 |
| GCI 2011–2012 (out of 142)..... | 113 | 3.7 |
| GCI 2010–2011 (out of 139)..... | 115 | 3.5 |
| Basic requirements (60.0%) | 108 | 3.9 |
| Institutions..... | 56 | 4.1 |
| Infrastructure..... | 111 | 2.9 |
| Macroeconomic environment..... | 67 | 4.6 |
| Health and primary education..... | 129 | 4.1 |
| Efficiency enhancers (35.0%) | 108 | 3.6 |
| Higher education and training..... | 121 | 3.1 |
| Goods market efficiency..... | 42 | 4.5 |
| Labor market efficiency..... | 111 | 4.0 |
| Financial market development..... | 50 | 4.4 |
| Technological readiness..... | 115 | 3.0 |
| Market size..... | 111 | 2.7 |
| Innovation and sophistication factors (5.0%) | 67 | 3.6 |
| Business sophistication..... | 75 | 3.8 |
| Innovation..... | 61 | 3.3 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 4.5 | 58 | 6.01 | Intensity of local competition | 5.0 | 61 |
| 1.02 | Intellectual property protection | 3.8 | 59 | 6.02 | Extent of market dominance | 4.0 | 50 |
| 1.03 | Diversion of public funds | 3.0 | 75 | 6.03 | Effectiveness of anti-monopoly policy | 4.6 | 35 |
| 1.04 | Public trust in politicians | 3.2 | 51 | 6.04 | Extent and effect of taxation | 3.5 | 64 |
| 1.05 | Irregular payments and bribes | 3.5 | 93 | 6.05 | Total tax rate, % profits* | 14.5 | 6 |
| 1.06 | Judicial independence | 3.5 | 79 | 6.06 | No. procedures to start a business* | 6 | 47 |
| 1.07 | Favoritism in decisions of government officials | 3.0 | 68 | 6.07 | No. days to start a business* | 18 | 76 |
| 1.08 | Wastefulness of government spending | 3.4 | 57 | 6.08 | Agricultural policy costs | 4.4 | 25 |
| 1.09 | Burden of government regulation | 4.2 | 21 | 6.09 | Prevalence of trade barriers | 4.4 | 67 |
| 1.10 | Efficiency of legal framework in settling disputes | 4.4 | 39 | 6.10 | Trade tariffs, % duty* | 11.1 | 113 |
| 1.11 | Efficiency of legal framework in challenging regs. | 3.9 | 55 | 6.11 | Prevalence of foreign ownership | 5.5 | 25 |
| 1.12 | Transparency of government policymaking | 4.6 | 46 | 6.12 | Business impact of rules on FDI | 5.0 | 37 |
| 1.13 | Gov't services for improved business performance | 4.1 | 41 | 6.13 | Burden of customs procedures | 4.3 | 62 |
| 1.14 | Business costs of terrorism | 6.2 | 28 | 6.14 | Imports as a percentage of GDP* | 42.7 | 79 |
| 1.15 | Business costs of crime and violence | 4.7 | 79 | 6.15 | Degree of customer orientation | 4.6 | 71 |
| 1.16 | Organized crime | 5.8 | 37 | 6.16 | Buyer sophistication | 3.4 | 72 |
| 1.17 | Reliability of police services | 4.4 | 63 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 4.0 | 63 | 7.01 | Cooperation in labor-employer relations | 4.1 | 88 |
| 1.19 | Strength of auditing and reporting standards | 4.6 | 67 | 7.02 | Flexibility of wage determination | 4.9 | 82 |
| 1.20 | Efficacy of corporate boards | 4.7 | 53 | 7.03 | Hiring and firing practices | 4.5 | 31 |
| 1.21 | Protection of minority shareholders' interests | 4.5 | 46 | 7.04 | Redundancy costs, weeks of salary* | 51 | 136 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 5.3 | 65 | 7.05 | Pay and productivity | 3.6 | 99 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 4.4 | 57 | |
| 2.01 | Quality of overall infrastructure | 3.9 | 84 | 7.07 | Brain drain | 3.4 | 69 |
| 2.02 | Quality of roads | 3.2 | 96 | 7.08 | Women in labor force, ratio to men* | 0.85 | 51 |
| 2.03 | Quality of railroad infrastructure | 2.3 | 80 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.1 | 70 | 8.01 | Availability of financial services | 4.5 | 75 |
| 2.05 | Quality of air transport infrastructure | 3.9 | 102 | 8.02 | Affordability of financial services | 4.1 | 74 |
| 2.06 | Available airline seat kms/week, millions* | 31.0 | 108 | 8.03 | Financing through local equity market | 3.8 | 50 |
| 2.07 | Quality of electricity supply | 3.5 | 107 | 8.04 | Ease of access to loans | 2.6 | 80 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 60.6 | 123 | 8.05 | Venture capital availability | 2.5 | 78 |
| 2.09 | Fixed telephone lines/100 pop.* | 0.6 | 133 | 8.06 | Soundness of banks | 5.3 | 64 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.3 | 57 | |
| 3.01 | Government budget balance, % GDP* | -3.4 | 79 | 8.08 | Legal rights index, 0-10 (best)* | 9 | 11 |
| 3.02 | Gross national savings, % GDP* | 26.2 | 39 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 8.7 | 117 | 9.01 | Availability of latest technologies | 4.6 | 92 |
| 3.04 | General government debt, % GDP* | 26.1 | 36 | 9.02 | Firm-level technology absorption | 4.5 | 88 |
| 3.05 | Country credit rating, 0-100 (best)* | 33.3 | 96 | 9.03 | FDI and technology transfer | 4.7 | 69 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 11.5 | 116 | |
| 4.01 | Business impact of malaria | 2.7 | 137 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.1 | 126 |
| 4.02 | Malaria cases/100,000 pop.* | 22,100.5 | 127 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 0.5 | 138 |
| 4.03 | Business impact of tuberculosis | 3.3 | 136 | 9.07 | Mobile broadband subscriptions/100 pop.* | 0.4 | 117 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 462.0 | 134 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 2.8 | 139 | 10.01 | Domestic market size index, 1-7 (best)* | 2.5 | 115 |
| 4.06 | HIV prevalence, % adult pop.* | 13.5 | 139 | 10.02 | Foreign market size index, 1-7 (best)* | 3.5 | 100 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 68.9 | 129 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 48.5 | 141 | 11.01 | Local supplier quantity | 4.8 | 62 |
| 4.09 | Quality of primary education | 3.4 | 88 | 11.02 | Local supplier quality | 4.2 | 92 |
| 4.10 | Primary education enrollment, net %* | 91.4 | 87 | 11.03 | State of cluster development | 4.1 | 42 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 3.2 | 88 | |
| 5.01 | Secondary education enrollment, gross %* | 30.4 | 134 | 11.05 | Value chain breadth | 3.4 | 82 |
| 5.02 | Tertiary education enrollment, gross %* | 2.4 | 135 | 11.06 | Control of international distribution | 3.7 | 103 |
| 5.03 | Quality of the educational system | 4.2 | 39 | 11.07 | Production process sophistication | 3.3 | 96 |
| 5.04 | Quality of math and science education | 3.9 | 77 | 11.08 | Extent of marketing | 3.6 | 102 |
| 5.05 | Quality of management schools | 4.1 | 75 | 11.09 | Willingness to delegate authority | 3.9 | 48 |
| 5.06 | Internet access in schools | 3.2 | 107 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 4.3 | 61 | 12.01 | Capacity for innovation | 3.1 | 76 |
| 5.08 | Extent of staff training | 3.5 | 108 | 12.02 | Quality of scientific research institutions | 3.5 | 81 |
| | | | | 12.03 | Company spending on R&D | 3.5 | 38 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.8 | 55 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 3.9 | 41 |
| | | | | 12.06 | Availability of scientists and engineers | 4.1 | 64 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.0 | 103 |

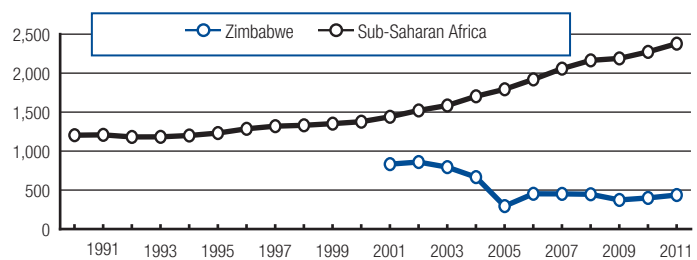
Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

Zimbabwe

Key indicators, 2011

| | |
|--|------|
| Population (millions)..... | 12.8 |
| GDP (US\$ billions)..... | 9.3 |
| GDP per capita (US\$)..... | 741 |
| GDP (PPP) as share (%) of world total..... | 0.01 |

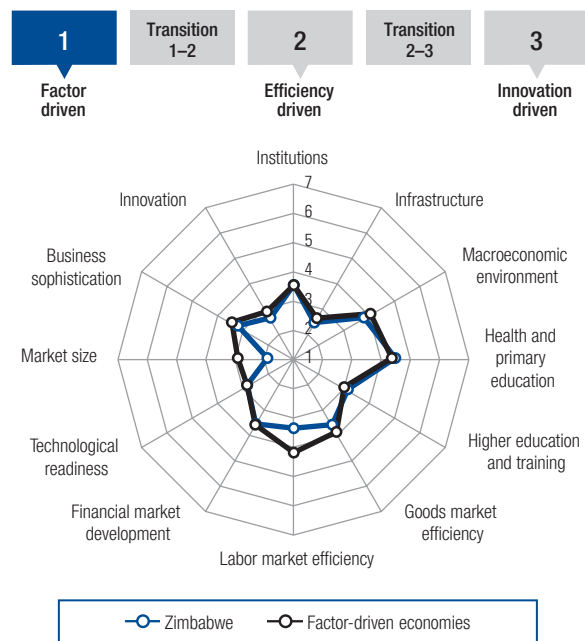
GDP (PPP) per capita (int'l \$), 1990–2011



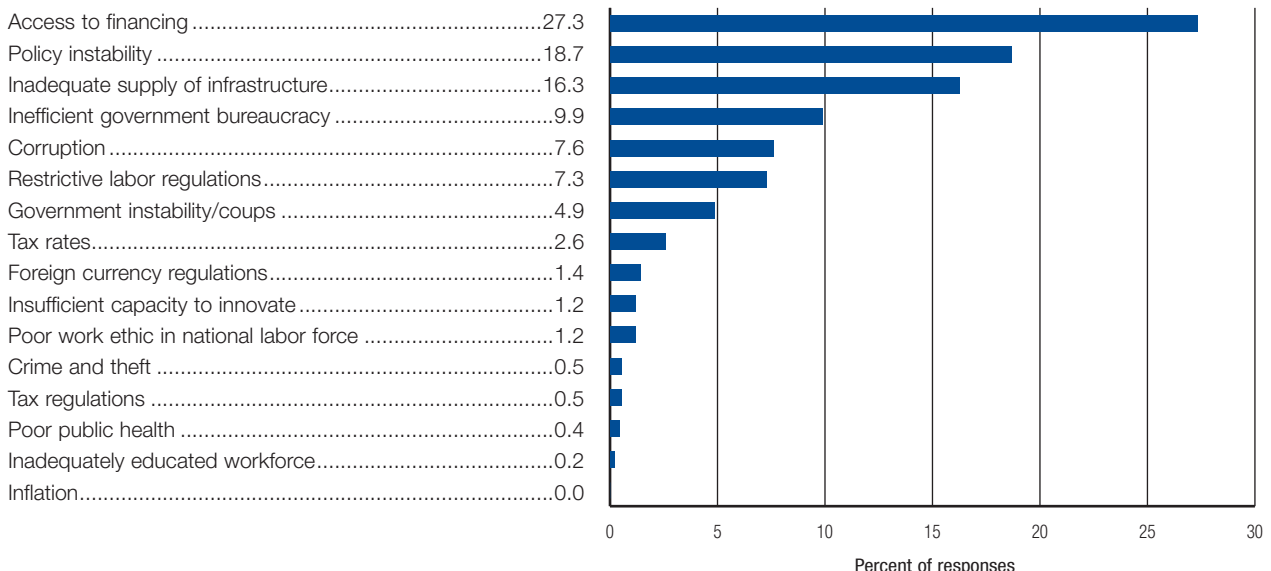
The Global Competitiveness Index

| | Rank (out of 144) | Score (1–7) |
|---|----------------------|----------------|
| GCI 2012–2013 | 132 | 3.3 |
| GCI 2011–2012 (out of 142)..... | 132 | 3.3 |
| GCI 2010–2011 (out of 139)..... | 136 | 3.0 |
| Basic requirements (60.0%) | 127 | 3.5 |
| Institutions..... | 101 | 3.5 |
| Infrastructure..... | 128 | 2.4 |
| Macroeconomic environment..... | 122 | 3.8 |
| Health and primary education..... | 119 | 4.5 |
| Efficiency enhancers (35.0%) | 135 | 3.1 |
| Higher education and training..... | 118 | 3.1 |
| Goods market efficiency..... | 133 | 3.6 |
| Labor market efficiency..... | 139 | 3.4 |
| Financial market development..... | 109 | 3.6 |
| Technological readiness..... | 120 | 2.8 |
| Market size..... | 135 | 1.9 |
| Innovation and sophistication factors (5.0%) | 128 | 2.9 |
| Business sophistication..... | 128 | 3.2 |
| Innovation..... | 127 | 2.6 |

Stage of development



The most problematic factors for doing business



Note: From the list of factors above, respondents were asked to select the five most problematic for doing business in their country and to rank them between 1 (most problematic) and 5. The bars in the figure show the responses weighted according to their rankings.

Zimbabwe

The Global Competitiveness Index in detail

| INDICATOR | VALUE | RANK/144 | INDICATOR | VALUE | RANK/144 | | |
|--|--|----------|--|---|---|------|-----|
| 1st pillar: Institutions | | | 6th pillar: Goods market efficiency | | | | |
| 1.01 | Property rights | 2.6 | 137 | 6.01 | Intensity of local competition | 4.4 | 94 |
| 1.02 | Intellectual property protection | 3.1 | 94 | 6.02 | Extent of market dominance | 3.6 | 80 |
| 1.03 | Diversion of public funds | 2.8 | 92 | 6.03 | Effectiveness of anti-monopoly policy | 3.9 | 79 |
| 1.04 | Public trust in politicians | 1.8 | 130 | 6.04 | Extent and effect of taxation | 3.3 | 97 |
| 1.05 | Irregular payments and bribes | 3.9 | 69 | 6.05 | Total tax rate, % profits* | 35.6 | 61 |
| 1.06 | Judicial independence | 2.7 | 113 | 6.06 | No. procedures to start a business* | 9 | 97 |
| 1.07 | Favoritism in decisions of government officials | 2.5 | 117 | 6.07 | No. days to start a business* | 90 | 135 |
| 1.08 | Wastefulness of government spending | 2.9 | 99 | 6.08 | Agricultural policy costs | 3.1 | 131 |
| 1.09 | Burden of government regulation | 3.0 | 107 | 6.09 | Prevalence of trade barriers | 4.6 | 45 |
| 1.10 | Efficiency of legal framework in settling disputes | 3.5 | 82 | 6.10 | Trade tariffs, % duty* | 20.5 | 138 |
| 1.11 | Efficiency of legal framework in challenging regs. | 2.6 | 134 | 6.11 | Prevalence of foreign ownership | 4.3 | 95 |
| 1.12 | Transparency of government policymaking | 4.3 | 72 | 6.12 | Business impact of rules on FDI | 2.4 | 143 |
| 1.13 | Gov't services for improved business performance | 2.6 | 131 | 6.13 | Burden of customs procedures | 3.4 | 111 |
| 1.14 | Business costs of terrorism | 6.1 | 38 | 6.14 | Imports as a percentage of GDP* | 47.2 | 66 |
| 1.15 | Business costs of crime and violence | 4.8 | 73 | 6.15 | Degree of customer orientation | 3.8 | 128 |
| 1.16 | Organized crime | 5.8 | 36 | 6.16 | Buyer sophistication | 3.2 | 93 |
| 1.17 | Reliability of police services | 3.0 | 124 | 7th pillar: Labor market efficiency | | | |
| 1.18 | Ethical behavior of firms | 3.9 | 72 | 7.01 | Cooperation in labor-employer relations | 3.8 | 122 |
| 1.19 | Strength of auditing and reporting standards | 5.2 | 35 | 7.02 | Flexibility of wage determination | 2.5 | 143 |
| 1.20 | Efficacy of corporate boards | 4.8 | 41 | 7.03 | Hiring and firing practices | 2.6 | 140 |
| 1.21 | Protection of minority shareholders' interests | 4.6 | 43 | 7.04 | Redundancy costs, weeks of salary* | 82 | 139 |
| 1.22 | Strength of investor protection, 0-10 (best)* | 4.3 | 101 | 7.05 | Pay and productivity | 2.8 | 139 |
| 2nd pillar: Infrastructure | | | 7.06 | Reliance on professional management | 5.3 | 24 | |
| 2.01 | Quality of overall infrastructure | 3.2 | 123 | 7.07 | Brain drain | 3.0 | 103 |
| 2.02 | Quality of roads | 3.2 | 95 | 7.08 | Women in labor force, ratio to men* | 0.93 | 18 |
| 2.03 | Quality of railroad infrastructure | 2.4 | 76 | 8th pillar: Financial market development | | | |
| 2.04 | Quality of port infrastructure | 4.4 | 61 | 8.01 | Availability of financial services | 3.7 | 120 |
| 2.05 | Quality of air transport infrastructure | 3.4 | 122 | 8.02 | Affordability of financial services | 3.3 | 127 |
| 2.06 | Available airline seat kms/week, millions* | 15.4 | 126 | 8.03 | Financing through local equity market | 3.4 | 69 |
| 2.07 | Quality of electricity supply | 1.7 | 137 | 8.04 | Ease of access to loans | 2.2 | 119 |
| 2.08 | Mobile telephone subscriptions/100 pop.* | 72.1 | 115 | 8.05 | Venture capital availability | 1.8 | 137 |
| 2.09 | Fixed telephone lines/100 pop.* | 2.8 | 114 | 8.06 | Soundness of banks | 3.7 | 135 |
| 3rd pillar: Macroeconomic environment | | | 8.07 | Regulation of securities exchanges | 4.0 | 75 | |
| 3.01 | Government budget balance, % GDP* | -2.1 | 56 | 8.08 | Legal rights index, 0-10 (best)* | 7 | 43 |
| 3.02 | Gross national savings, % GDP* | -10.0 | 142 | 9th pillar: Technological readiness | | | |
| 3.03 | Inflation, annual % change* | 3.5 | 46 | 9.01 | Availability of latest technologies | 4.1 | 119 |
| 3.04 | General government debt, % GDP* | 70.3 | 115 | 9.02 | Firm-level technology absorption | 4.4 | 99 |
| 3.05 | Country credit rating, 0-100 (best)* | 5.3 | 142 | 9.03 | FDI and technology transfer | 3.5 | 139 |
| 4th pillar: Health and primary education | | | 9.04 | Individuals using Internet, %* | 15.7 | 105 | |
| 4.01 | Business impact of malaria | 4.3 | 114 | 9.05 | Broadband Internet subscriptions/100 pop.* | 0.3 | 113 |
| 4.02 | Malaria cases/100,000 pop.* | 11,645.7 | 123 | 9.06 | Int'l Internet bandwidth, kb/s per user* | 1.7 | 126 |
| 4.03 | Business impact of tuberculosis | 3.6 | 131 | 9.07 | Mobile broadband subscriptions/100 pop.* | 14.9 | 56 |
| 4.04 | Tuberculosis cases/100,000 pop.* | 633.0 | 140 | 10th pillar: Market size | | | |
| 4.05 | Business impact of HIV/AIDS | 3.1 | 133 | 10.01 | Domestic market size index, 1-7 (best)* | 1.7 | 137 |
| 4.06 | HIV prevalence, % adult pop.* | 14.3 | 140 | 10.02 | Foreign market size index, 1-7 (best)* | 2.5 | 135 |
| 4.07 | Infant mortality, deaths/1,000 live births* | 50.9 | 115 | 11th pillar: Business sophistication | | | |
| 4.08 | Life expectancy, years* | 49.9 | 138 | 11.01 | Local supplier quantity | 4.0 | 125 |
| 4.09 | Quality of primary education | 4.0 | 63 | 11.02 | Local supplier quality | 3.7 | 129 |
| 4.10 | Primary education enrollment, net %* | 90.0 | 93 | 11.03 | State of cluster development | 2.8 | 129 |
| 5th pillar: Higher education and training | | | 11.04 | Nature of competitive advantage | 2.4 | 142 | |
| 5.01 | Secondary education enrollment, gross %* | 38.0 | 125 | 11.05 | Value chain breadth | 2.3 | 141 |
| 5.02 | Tertiary education enrollment, gross %* | 6.2 | 120 | 11.06 | Control of international distribution | 3.3 | 127 |
| 5.03 | Quality of the educational system | 4.5 | 30 | 11.07 | Production process sophistication | 2.5 | 135 |
| 5.04 | Quality of math and science education | 4.3 | 50 | 11.08 | Extent of marketing | 3.1 | 121 |
| 5.05 | Quality of management schools | 4.1 | 78 | 11.09 | Willingness to delegate authority | 3.8 | 66 |
| 5.06 | Internet access in schools | 2.6 | 123 | 12th pillar: Innovation | | | |
| 5.07 | Availability of research and training services | 3.6 | 104 | 12.01 | Capacity for innovation | 2.4 | 129 |
| 5.08 | Extent of staff training | 3.8 | 82 | 12.02 | Quality of scientific research institutions | 2.9 | 115 |
| | | | | 12.03 | Company spending on R&D | 2.5 | 124 |
| | | | | 12.04 | University-industry collaboration in R&D | 3.1 | 112 |
| | | | | 12.05 | Gov't procurement of advanced tech products | 2.6 | 135 |
| | | | | 12.06 | Availability of scientists and engineers | 3.4 | 121 |
| | | | | 12.07 | PCT patents, applications/million pop.* | 0.1 | 98 |

Notes: Values are on a 1-to-7 scale unless otherwise annotated with an asterisk (*). For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" on page 83.

2.2

Data Tables

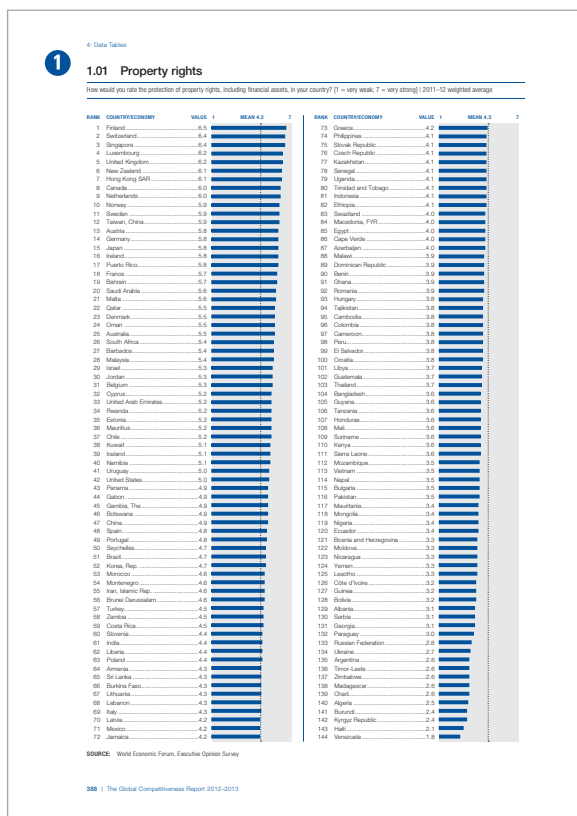
How to Read the Data Tables

The following pages provide detailed data for all 144 economies included in *The Global Competitiveness Report 2012–2013*. The data tables are organized into 13 sections:

- Key indicators
- Pillar 1: Institutions
- Pillar 2: Infrastructure
- Pillar 3: Macroeconomic environment
- Pillar 4: Health and primary education
- Pillar 5: Higher education and training
- Pillar 6: Goods market efficiency
- Pillar 7: Labor market efficiency
- Pillar 8: Financial market development
- Pillar 9: Technological readiness
- Pillar 10: Market size
- Pillar 11: Business sophistication
- Pillar 12: Innovation

EXECUTIVE OPINION SURVEY INDICATORS

1 In the tables, indicators derived from the World Economic Forum's Executive Opinion Survey (Survey) have country scores represented by blue-colored bar graphs. Survey questions asked for responses on a scale of 1 to 7, where an answer of 1 and 7 always corresponds to the worst and best possible outcome, respectively. In the tables, the Survey question and the two extreme answers are shown above the rankings. Country scores are reported with a precision of one decimal point, although exact figures are used to determine rankings. The sample mean is represented by a dotted line running across the bar graphs. For more information on the Survey and a detailed explanation of how scores are computed, refer to Chapter 1.3.



4. Data Tables

2 0.01 Gross domestic product

Gross domestic product in billions of current US dollars (2011)

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|----------|------|-------------------------------|-------|
| 1 | United States | 15,004.0 | 75 | Uruguay | 40.0 |
| 2 | China | 7,296.1 | 74 | Serbia | 40.1 |
| 3 | Japan | 5,959.0 | 73 | Lithuania | 40.7 |
| 4 | Germany | 3,577.0 | 72 | Costa Rica | 40.9 |
| 5 | France | 2,770.0 | 71 | Latvia | 40.9 |
| 6 | Brazil | 2,462.0 | 70 | China | 37.2 |
| 7 | United Kingdom | 2,417.0 | 69 | Libya | 36.9 |
| 8 | Italy | 2,199.0 | 68 | Korea | 36.8 |
| 9 | Russian Federation | 1,950.0 | 81 | Yemen | 33.7 |
| 10 | Canada | 1,760.0 | 82 | Ethiopia | 33.8 |
| 11 | India | 1,676.1 | 83 | Paraguay | 30.6 |
| 12 | Spain | 1,460.0 | 84 | Jordan | 29.2 |
| 13 | Australia | 1,458.0 | 85 | Latvia | 28.3 |
| 14 | Mexico | 1,154.0 | 86 | Slovenia | 27.9 |
| 15 | Korea, Rep. | 1,148.0 | 87 | Comoros | 25.8 |
| 16 | Netherlands | 845.0 | 88 | Ogiva | 24.9 |
| 17 | Netherlands | 842.0 | 89 | Bolivia | 24.6 |
| 18 | Italy | 776.0 | 90 | Costa Rica | 24.4 |
| 19 | Switzerland | 670.0 | 91 | Tanzania | 23.3 |
| 20 | Saudi Arabia | 577.0 | 92 | El Salvador | 22.9 |
| 21 | Sweden | 526.0 | 93 | Turkmenistan and Turkmenistan | 22.7 |
| 22 | Poland | 513.0 | 94 | Ethiopia | 22.2 |
| 23 | Belgium | 513.0 | 95 | Philippines | 21.2 |
| 24 | Norway | 483.0 | 96 | Zambia | 19.2 |
| 25 | Iran, Islamic Rep. | 462.0 | 97 | Nepal | 18.0 |
| 26 | Taiwan, China | 460.0 | 98 | Burma and Myanmar | 18.0 |
| 27 | Argentina | 447.0 | 99 | Bolivia | 17.6 |
| 28 | Austria | 419.0 | 100 | Honduras | 17.4 |
| 29 | South Africa | 406.0 | 101 | Liberia | 16.8 |
| 30 | United Arab Emirates | 360.0 | 102 | Ghana | 16.2 |
| 31 | Thailand | 340.0 | 103 | Brunei Darussalam | 15.0 |
| 32 | Denmark | 333.0 | 104 | Jamaica | 14.8 |
| 33 | Colombia | 328.0 | 105 | Senegal | 14.0 |
| 34 | Norway | 315.0 | 106 | Ghana | 14.0 |
| 35 | Greece | 300.0 | 107 | Iceland | 14.0 |
| 36 | Morocco | 279.0 | 108 | Cameroon | 13.8 |
| 37 | Poland | 266.0 | 109 | Albania | 12.8 |
| 38 | Singapore | 256.0 | 110 | Myanmar | 12.8 |
| 39 | Chile | 248.0 | 111 | Namibia | 12.5 |
| 40 | Hong Kong SAR | 242.0 | 112 | Mauritius | 12.0 |
| 41 | Israel | 242.0 | 113 | Maldives | 10.8 |
| 42 | Nigeria | 238.0 | 114 | Moldova, Rep. | 10.9 |
| 43 | Portugal | 238.0 | 115 | Armenia | 10.1 |
| 44 | Spain | 233.0 | 116 | Madagascar | 10.0 |
| 45 | Holland | 217.0 | 117 | Burkina Faso | 10.0 |
| 46 | Czech Republic | 215.0 | 118 | Chad | 9.0 |
| 47 | Philippines | 213.0 | 119 | Zimbabwe | 8.3 |
| 48 | Poland | 210.0 | 120 | Maldives | 8.0 |
| 49 | Algeria | 190.0 | 121 | Mali | 7.4 |
| 50 | Romania | 189.0 | 122 | Haiti | 7.4 |
| 51 | Kazakhstan | 178.0 | 123 | Burkina Faso | 7.0 |
| 52 | Kuwait | 176.0 | 124 | Nicaragua | 7.0 |
| 53 | Qatar | 172.0 | 125 | Moldova | 7.0 |
| 54 | Peru | 170.0 | 126 | Tajikistan | 6.5 |
| 55 | Korea | 160.0 | 127 | Rwanda | 6.0 |
| 56 | New Zealand | 161.0 | 128 | Kyrgyz Republic | 5.9 |
| 57 | Hungary | 140.0 | 129 | Mali | 5.9 |
| 58 | Vietnam | 122.0 | 130 | Ghana | 5.2 |
| 59 | Singapore | 113.0 | 131 | Madagascar | 4.2 |
| 60 | Monaco | 99.0 | 132 | Barbados | 4.5 |
| 61 | French Pol. | 98.0 | 133 | French Polynesia | 4.2 |
| 62 | Slovak Republic | 96.1 | 134 | Mauritania | 4.2 |
| 63 | China | 71.0 | 135 | Switzerland | 3.9 |
| 64 | Equator | 69.0 | 136 | Burkina Faso | 3.8 |
| 65 | Oman | 63.0 | 137 | Ghana | 2.5 |
| 66 | Netherlands | 62.0 | 138 | Lesotho | 2.5 |
| 67 | St. Lucia | 59.0 | 139 | Burundi | 2.4 |
| 68 | Luxembourg | 56.0 | 140 | Senegal | 2.2 |
| 69 | Dominican Republic | 56.7 | 141 | Cape Verde | 1.9 |
| 70 | Bulgaria | 53.0 | 142 | Liberia | 1.9 |
| 71 | Slovenia | 49.0 | 143 | Seychelles | 1.0 |
| 72 | Guatemala | 49.0 | 144 | Guinea, The | 1.0 |

SOURCE: International Monetary Fund, World Economic Outlook Database (April 2012 edition); national sources

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OTHER INDICATORS

2 Indicators not derived from the Survey are presented in black-shaded bar graphs. For each indicator, a short description appears at the top of the page. The base period (i.e., the period when a majority of the data were collected) follows the description. When the year differs from the base year for a particular economy, this is indicated in a footnote. A more detailed description and the full source for each indicator can be found in the Technical Notes and Sources section at the end of the Report. When data are not available or are too outdated, “n/a” is used in lieu of the rank and the value.

Because of the nature of data, ties between two or more countries are possible. In such cases, shared rankings are indicated accordingly. For example, in Singapore and Brunei Darussalam the cost of making an employee redundant amounts to 3 weeks of salary. As a result, in table 7.04 (see page 471) the two countries are ranked 6th and listed alphabetically.

The values are usually reported with a precision of one decimal place. Because of the rounding, some non-zero values are reported as “0.0.” In such cases, a narrow bar graph is used in order to distinguish these values from true zero values, for which no bar is attached. In addition, since the ranks are always based on the exact, unrounded figures, a non-zero value will also be ranked higher (or lower, in the case of certain indicators) than a true zero value.

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Key indicators

0.01 Gross domestic product

Gross domestic product in billions of current US dollars | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|----------|------|------------------------|-------|
| 1 | United States | 15,094.0 | 73 | Uruguay | 46.9 |
| 2 | China | 7,298.1 | 74 | Serbia | 45.1 |
| 3 | Japan | 5,869.5 | 75 | Lithuania | 42.7 |
| 4 | Germany | 3,577.0 | 76 | Costa Rica | 40.9 |
| 5 | France | 2,776.3 | 77 | Lebanon | 39.0 |
| 6 | Brazil | 2,492.9 | 78 | Ghana | 37.2 |
| 7 | United Kingdom | 2,417.6 | 79 | Libya | 36.9 |
| 8 | Italy | 2,198.7 | 80 | Kenya | 34.8 |
| 9 | Russian Federation | 1,850.4 | 81 | Yemen | 33.7 |
| 10 | Canada | 1,736.9 | 82 | Ethiopia | 31.3 |
| 11 | India | 1,676.1 | 83 | Panama | 30.6 |
| 12 | Spain | 1,493.5 | 84 | Jordan | 29.2 |
| 13 | Australia | 1,488.2 | 85 | Latvia | 28.3 |
| 14 | Mexico | 1,154.8 | 86 | Bahrain | 26.1 |
| 15 | Korea, Rep. | 1,116.2 | 87 | Cameroon | 25.8 |
| 16 | Indonesia | 845.7 | 88 | Cyprus | 24.9 |
| 17 | Netherlands | 840.4 | 89 | Bolivia | 24.6 |
| 18 | Turkey | 778.1 | 90 | Côte d'Ivoire | 24.1 |
| 19 | Switzerland | 636.1 | 91 | Tanzania | 23.3 |
| 20 | Saudi Arabia | 577.6 | 92 | El Salvador | 22.8 |
| 21 | Sweden | 538.2 | 93 | Trinidad and Tobago | 22.7 |
| 22 | Poland | 513.8 | 94 | Estonia | 22.2 |
| 23 | Belgium | 513.4 | 95 | Paraguay | 21.2 |
| 24 | Norway | 483.7 | 96 | Zambia | 19.2 |
| 25 | Iran, Islamic Rep. | 482.4 | 97 | Nepal | 18.6 |
| 26 | Taiwan, China | 466.8 | 98 | Bosnia and Herzegovina | 18.0 |
| 27 | Argentina | 447.6 | 99 | Botswana | 17.6 |
| 28 | Austria | 419.2 | 100 | Honduras | 17.4 |
| 29 | South Africa | 408.1 | 101 | Uganda | 16.8 |
| 30 | United Arab Emirates | 360.1 | 102 | Gabon | 16.2 |
| 31 | Thailand | 345.6 | 103 | Brunei Darussalam | 15.5 |
| 32 | Denmark | 333.2 | 104 | Jamaica | 14.8 |
| 33 | Colombia | 328.4 | 105 | Senegal | 14.5 |
| 34 | Venezuela | 315.8 | 106 | Georgia | 14.3 |
| 35 | Greece | 303.1 | 107 | Iceland | 14.0 |
| 36 | Malaysia | 278.7 | 108 | Cambodia | 12.9 |
| 37 | Finland | 266.6 | 109 | Albania | 12.8 |
| 38 | Singapore | 259.8 | 110 | Mozambique | 12.8 |
| 39 | Chile | 248.4 | 111 | Namibia | 12.5 |
| 40 | Hong Kong SAR | 243.3 | 112 | Mauritius | 11.3 |
| 41 | Israel | 242.9 | 113 | Mali | 10.6 |
| 42 | Nigeria | 238.9 | 114 | Macedonia, FYR | 10.3 |
| 43 | Portugal | 238.9 | 115 | Armenia | 10.1 |
| 44 | Egypt | 235.7 | 116 | Madagascar | 10.0 |
| 45 | Ireland | 217.7 | 117 | Burkina Faso | 10.0 |
| 46 | Czech Republic | 215.3 | 118 | Chad | 9.3 |
| 47 | Philippines | 213.1 | 119 | Zimbabwe | 9.3 |
| 48 | Pakistan | 210.6 | 120 | Malta | 8.9 |
| 49 | Algeria | 190.7 | 121 | Mongolia | 8.5 |
| 50 | Romania | 189.8 | 122 | Haiti | 7.4 |
| 51 | Kazakhstan | 178.3 | 123 | Benin | 7.3 |
| 52 | Kuwait | 176.7 | 124 | Nicaragua | 7.3 |
| 53 | Qatar | 173.8 | 125 | Moldova | 7.0 |
| 54 | Peru | 173.5 | 126 | Tajikistan | 6.5 |
| 55 | Ukraine | 165.0 | 127 | Rwanda | 6.2 |
| 56 | New Zealand | 161.9 | 128 | Kyrgyz Republic | 5.9 |
| 57 | Hungary | 140.3 | 129 | Malawi | 5.7 |
| 58 | Vietnam | 122.7 | 130 | Guinea | 5.2 |
| 59 | Bangladesh | 113.0 | 131 | Montenegro | 4.5 |
| 60 | Morocco | 99.2 | 132 | Barbados | 4.5 |
| 61 | Puerto Rico | 98.8 | 133 | Timor-Leste | 4.3 |
| 62 | Slovak Republic | 96.1 | 134 | Mauritania | 4.2 |
| 63 | Oman | 71.9 | 135 | Swaziland | 3.9 |
| 64 | Ecuador | 66.4 | 136 | Suriname | 3.8 |
| 65 | Croatia | 63.8 | 137 | Guyana | 2.5 |
| 66 | Azerbaijan | 62.3 | 138 | Lesotho | 2.5 |
| 67 | Sri Lanka | 59.1 | 139 | Burundi | 2.4 |
| 68 | Luxembourg | 58.4 | 140 | Sierra Leone | 2.2 |
| 69 | Dominican Republic | 56.7 | 141 | Cape Verde | 1.9 |
| 70 | Bulgaria | 53.5 | 142 | Liberia | 1.2 |
| 71 | Slovenia | 49.6 | 143 | Seychelles | 1.0 |
| 72 | Guatemala | 46.9 | 144 | Gambia, The | 1.0 |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

0.02 Population

Total population in millions | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------|---------|------|------------------------|-------|
| 1 | China | 1,367.0 | 73 | Haiti | 10.2 |
| 2 | India | 1,250.2 | 74 | Bolivia | 10.2 |
| 3 | United States | 325.1 | 75 | Sweden | 9.9 |
| 4 | Indonesia | 244.2 | 76 | Azerbaijan | 9.4 |
| 5 | Brazil | 199.7 | 77 | Benin | 9.1 |
| 6 | Pakistan | 177.8 | 78 | Austria | 8.8 |
| 7 | Nigeria | 163.1 | 79 | Burundi | 8.6 |
| 8 | Bangladesh | 151.6 | 80 | Switzerland | 8.1 |
| 9 | Russian Federation | 147.1 | 81 | United Arab Emirates | 7.9 |
| 10 | Japan | 134.9 | 82 | Honduras | 7.8 |
| 11 | Mexico | 116.4 | 83 | Israel | 7.8 |
| 12 | Philippines | 95.3 | 84 | Bulgaria | 7.7 |
| 13 | Vietnam | 90.0 | 85 | Hong Kong SAR | 7.4 |
| 14 | Germany | 86.5 | 86 | Tajikistan | 7.0 |
| 15 | Ethiopia | 85.1 | 87 | Paraguay | 6.6 |
| 16 | Egypt | 83.1 | 88 | Libya | 6.5 |
| 17 | Iran, Islamic Rep. | 75.6 | 89 | Jordan | 6.4 |
| 18 | Turkey | 74.3 | 90 | El Salvador | 6.3 |
| 19 | Thailand | 70.7 | 91 | Sierra Leone | 6.0 |
| 20 | France | 66.6 | 92 | Nicaragua | 5.9 |
| 21 | United Kingdom | 65.3 | 93 | Denmark | 5.8 |
| 22 | Italy | 64.5 | 94 | Finland | 5.6 |
| 23 | South Africa | 50.8 | 95 | Slovak Republic | 5.6 |
| 24 | Korea, Rep. | 49.4 | 96 | Kyrgyz Republic | 5.4 |
| 25 | Spain | 48.8 | 97 | Singapore | 5.3 |
| 26 | Colombia | 47.5 | 98 | Norway | 5.1 |
| 27 | Ukraine | 46.8 | 99 | Costa Rica | 4.8 |
| 28 | Tanzania | 46.4 | 100 | Ireland | 4.7 |
| 29 | Argentina | 41.8 | 101 | Croatia | 4.6 |
| 30 | Kenya | 41.8 | 102 | New Zealand | 4.6 |
| 31 | Poland | 39.7 | 103 | Georgia | 4.5 |
| 32 | Algeria | 36.2 | 104 | Lebanon | 4.3 |
| 33 | Canada | 35.7 | 105 | Liberia | 4.1 |
| 34 | Uganda | 34.6 | 106 | Puerto Rico | 3.9 |
| 35 | Morocco | 32.5 | 107 | Bosnia and Herzegovina | 3.9 |
| 36 | Nepal | 30.6 | 108 | Moldova | 3.6 |
| 37 | Venezuela | 29.7 | 109 | Panama | 3.6 |
| 38 | Peru | 29.7 | 110 | Mauritania | 3.5 |
| 39 | Malaysia | 29.0 | 111 | Uruguay | 3.5 |
| 40 | Saudi Arabia | 28.3 | 112 | Lithuania | 3.4 |
| 41 | Ghana | 25.1 | 113 | Albania | 3.3 |
| 42 | Yemen | 24.9 | 114 | Armenia | 3.2 |
| 43 | Mozambique | 24.0 | 115 | Oman | 2.9 |
| 44 | Australia | 23.5 | 116 | Kuwait | 2.8 |
| 45 | Taiwan, China | 23.2 | 117 | Mongolia | 2.8 |
| 46 | Romania | 22.1 | 118 | Jamaica | 2.8 |
| 47 | Madagascar | 21.4 | 119 | Latvia | 2.3 |
| 48 | Sri Lanka | 21.4 | 120 | Namibia | 2.3 |
| 49 | Côte d'Ivoire | 20.2 | 121 | Lesotho | 2.2 |
| 50 | Cameroon | 20.1 | 122 | Slovenia | 2.1 |
| 51 | Chile | 17.6 | 123 | Macedonia, FYR | 2.1 |
| 52 | Netherlands | 17.3 | 124 | Botswana | 2.0 |
| 53 | Burkina Faso | 17.0 | 125 | Qatar | 1.9 |
| 54 | Kazakhstan | 16.4 | 126 | Gambia, The | 1.8 |
| 55 | Mali | 15.9 | 127 | Gabon | 1.5 |
| 56 | Malawi | 15.4 | 128 | Estonia | 1.4 |
| 57 | Guatemala | 14.9 | 129 | Trinidad and Tobago | 1.4 |
| 58 | Ecuador | 14.9 | 130 | Bahrain | 1.3 |
| 59 | Cambodia | 14.4 | 131 | Mauritius | 1.3 |
| 60 | Zambia | 13.5 | 132 | Swaziland | 1.2 |
| 61 | Zimbabwe | 12.8 | 133 | Timor-Leste | 1.2 |
| 62 | Senegal | 12.8 | 134 | Cyprus | 1.1 |
| 63 | Greece | 12.0 | 135 | Guyana | 0.8 |
| 64 | Chad | 11.6 | 136 | Montenegro | 0.6 |
| 65 | Belgium | 11.3 | 137 | Luxembourg | 0.5 |
| 66 | Portugal | 11.2 | 138 | Suriname | 0.5 |
| 67 | Rwanda | 11.0 | 139 | Cape Verde | 0.5 |
| 68 | Czech Republic | 10.9 | 140 | Malta | 0.4 |
| 69 | Hungary | 10.4 | 141 | Brunei Darussalam | 0.4 |
| 70 | Guinea | 10.3 | 142 | Iceland | 0.3 |
| 71 | Dominican Republic | 10.2 | 143 | Barbados | 0.3 |
| 72 | Serbia | 10.2 | 144 | Seychelles | 0.1 |

SOURCE: United Nations, Department of Economic and Social Affairs, Population Division (2011). *World Population Prospects: The 2010 Revision*, CD-ROM Edition; national sources

0.03 GDP per capita

Gross domestic product per capita in current US dollars | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|---------|------|------------------------|-------|
| 1 | Luxembourg | 113,533 | 73 | Azerbaijan | 6,832 |
| 2 | Qatar | 98,329 | 74 | Iran, Islamic Rep. | 6,360 |
| 3 | Norway | 97,255 | 75 | Serbia | 6,081 |
| 4 | Switzerland | 81,161 | 76 | Namibia | 5,828 |
| 5 | United Arab Emirates | 67,008 | 77 | Peru | 5,782 |
| 6 | Australia | 65,477 | 78 | Libya | 5,691 |
| 7 | Denmark | 59,928 | 79 | Dominican Republic | 5,639 |
| 8 | Sweden | 56,956 | 80 | China | 5,414 |
| 9 | Canada | 50,436 | 81 | Jamaica | 5,402 |
| 10 | Netherlands | 50,355 | 82 | Thailand | 5,394 |
| 11 | Austria | 49,809 | 83 | Algeria | 5,304 |
| 12 | Finland | 49,350 | 84 | Macedonia, FYR | 5,016 |
| 13 | Singapore | 49,271 | 85 | Jordan | 4,675 |
| 14 | United States | 48,387 | 86 | Bosnia and Herzegovina | 4,618 |
| 15 | Kuwait | 47,982 | 87 | Ecuador | 4,424 |
| 16 | Ireland | 47,513 | 88 | Albania | 3,992 |
| 17 | Belgium | 46,878 | 89 | Timor-Leste | 3,949 |
| 18 | Japan | 45,920 | 90 | El Salvador | 3,855 |
| 19 | France | 44,008 | 91 | Cape Verde | 3,661 |
| 20 | Germany | 43,742 | 92 | Ukraine | 3,621 |
| 21 | Iceland | 43,088 | 93 | Indonesia | 3,509 |
| 22 | United Kingdom | 38,592 | 94 | Swaziland | 3,358 |
| 23 | New Zealand | 36,648 | 95 | Paraguay | 3,252 |
| 24 | Brunei Darussalam | 36,584 | 96 | Georgia | 3,210 |
| 25 | Italy | 36,267 | 97 | Guyana | 3,202 |
| 26 | Hong Kong SAR | 34,049 | 98 | Guatemala | 3,182 |
| 27 | Spain | 32,360 | 99 | Morocco | 3,083 |
| 28 | Israel | 31,986 | 100 | Mongolia | 3,042 |
| 29 | Cyprus | 30,571 | 101 | Armenia | 3,033 |
| 30 | Greece | 27,073 | 102 | Egypt | 2,970 |
| 31 | Puerto Rico | 26,500 | 103 | Sri Lanka | 2,877 |
| 32 | Slovenia | 24,533 | 104 | Bolivia | 2,315 |
| 33 | Oman | 23,315 | 105 | Philippines | 2,223 |
| 34 | Bahrain | 23,132 | 106 | Honduras | 2,116 |
| 35 | Korea, Rep. | 22,778 | 107 | Moldova | 1,969 |
| 36 | Portugal | 22,413 | 108 | Ghana | 1,529 |
| 37 | Malta | 21,028 | 109 | Nigeria | 1,490 |
| 38 | Saudi Arabia | 20,504 | 110 | Zambia | 1,414 |
| 39 | Czech Republic | 20,444 | 111 | India | 1,389 |
| 40 | Taiwan, China | 20,101 | 112 | Vietnam | 1,374 |
| 41 | Slovak Republic | 17,644 | 113 | Yemen | 1,340 |
| 42 | Trinidad and Tobago | 17,158 | 114 | Mauritania | 1,290 |
| 43 | Estonia | 16,583 | 115 | Lesotho | 1,264 |
| 44 | Barbados | 16,148 | 116 | Nicaragua | 1,239 |
| 45 | Croatia | 14,457 | 117 | Cameroon | 1,230 |
| 46 | Chile | 14,278 | 118 | Pakistan | 1,201 |
| 47 | Hungary | 14,050 | 119 | Senegal | 1,076 |
| 48 | Uruguay | 13,914 | 120 | Kyrgyz Republic | 1,070 |
| 49 | Poland | 13,540 | 121 | Côte d'Ivoire | 1,062 |
| 50 | Lithuania | 13,075 | 122 | Chad | 892 |
| 51 | Russian Federation | 12,993 | 123 | Cambodia | 852 |
| 52 | Brazil | 12,789 | 124 | Kenya | 851 |
| 53 | Latvia | 12,671 | 125 | Tajikistan | 831 |
| 54 | Seychelles | 11,170 | 126 | Zimbabwe | 741 |
| 55 | Argentina | 10,945 | 127 | Haiti | 738 |
| 56 | Kazakhstan | 10,694 | 128 | Benin | 737 |
| 57 | Gabon | 10,654 | 129 | Bangladesh | 678 |
| 58 | Venezuela | 10,610 | 130 | Mali | 669 |
| 59 | Turkey | 10,522 | 131 | Burkina Faso | 664 |
| 60 | Mexico | 10,153 | 132 | Nepal | 653 |
| 61 | Lebanon | 9,862 | 133 | Rwanda | 605 |
| 62 | Malaysia | 9,700 | 134 | Mozambique | 583 |
| 63 | Botswana | 9,481 | 135 | Tanzania | 553 |
| 64 | Costa Rica | 8,877 | 136 | Gambia, The | 543 |
| 65 | Romania | 8,863 | 137 | Guinea | 492 |
| 66 | Mauritius | 8,777 | 138 | Uganda | 478 |
| 67 | Panama | 8,514 | 139 | Madagascar | 459 |
| 68 | South Africa | 8,066 | 140 | Sierra Leone | 366 |
| 69 | Montenegro | 7,317 | 141 | Ethiopia | 360 |
| 70 | Bulgaria | 7,202 | 142 | Malawi | 351 |
| 71 | Colombia | 7,132 | 143 | Liberia | 298 |
| 72 | Suriname | 7,096 | 144 | Burundi | 279 |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

0.04 GDP as a share of world GDP

Gross domestic product based on purchasing power parity as a percentage of world GDP | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|------------------------|-------|
| 1 | United States | 19.13 | 73 | Kenya | 0.09 |
| 2 | China | 14.32 | 74 | Tanzania | 0.08 |
| 3 | India | 5.65 | 75 | Lebanon | 0.08 |
| 4 | Japan | 5.63 | 75 | Lithuania | 0.08 |
| 5 | Germany | 3.93 | 77 | Slovenia | 0.07 |
| 6 | Russian Federation | 3.02 | 77 | Yemen | 0.07 |
| 7 | Brazil | 2.91 | 79 | Costa Rica | 0.07 |
| 8 | United Kingdom | 2.87 | 80 | Bolivia | 0.07 |
| 9 | France | 2.81 | 80 | Uruguay | 0.07 |
| 10 | Italy | 2.34 | 82 | Panama | 0.06 |
| 11 | Mexico | 2.11 | 83 | Cameroon | 0.06 |
| 12 | Korea, Rep. | 1.97 | 84 | Uganda | 0.06 |
| 13 | Spain | 1.79 | 85 | El Salvador | 0.06 |
| 14 | Canada | 1.77 | 86 | Luxembourg | 0.05 |
| 15 | Indonesia | 1.43 | 87 | Libya | 0.05 |
| 16 | Turkey | 1.36 | 87 | Nepal | 0.05 |
| 17 | Iran, Islamic Rep. | 1.26 | 89 | Jordan | 0.05 |
| 18 | Australia | 1.16 | 90 | Côte d'Ivoire | 0.05 |
| 19 | Taiwan, China | 1.11 | 91 | Honduras | 0.05 |
| 20 | Poland | 0.98 | 91 | Paraguay | 0.05 |
| 21 | Argentina | 0.91 | 93 | Latvia | 0.04 |
| 22 | Netherlands | 0.89 | 94 | Cambodia | 0.04 |
| 23 | Saudi Arabia | 0.87 | 95 | Bosnia and Herzegovina | 0.04 |
| 24 | Thailand | 0.76 | 96 | Bahrain | 0.04 |
| 25 | South Africa | 0.70 | 97 | Botswana | 0.04 |
| 26 | Egypt | 0.66 | 98 | Estonia | 0.04 |
| 27 | Pakistan | 0.62 | 99 | Trinidad and Tobago | 0.03 |
| 28 | Colombia | 0.60 | 100 | Albania | 0.03 |
| 29 | Malaysia | 0.57 | 100 | Senegal | 0.03 |
| 30 | Belgium | 0.52 | 102 | Gabon | 0.03 |
| 30 | Nigeria | 0.52 | 102 | Georgia | 0.03 |
| 32 | Philippines | 0.50 | 102 | Jamaica | 0.03 |
| 33 | Sweden | 0.48 | 105 | Cyprus | 0.03 |
| 34 | Venezuela | 0.47 | 105 | Mozambique | 0.03 |
| 35 | Austria | 0.45 | 107 | Burkina Faso | 0.03 |
| 36 | Hong Kong SAR | 0.45 | 107 | Zambia | 0.03 |
| 37 | Switzerland | 0.43 | 109 | Brunei Darussalam | 0.03 |
| 38 | Ukraine | 0.42 | 109 | Macedonia, FYR | 0.03 |
| 39 | Singapore | 0.40 | 111 | Madagascar | 0.03 |
| 40 | Peru | 0.38 | 112 | Chad | 0.03 |
| 41 | Chile | 0.38 | 113 | Mauritius | 0.02 |
| 41 | Vietnam | 0.38 | 113 | Nicaragua | 0.02 |
| 43 | Greece | 0.37 | 115 | Armenia | 0.02 |
| 44 | Czech Republic | 0.36 | 115 | Mali | 0.02 |
| 45 | Bangladesh | 0.36 | 117 | Tajikistan | 0.02 |
| 46 | Romania | 0.34 | 118 | Namibia | 0.02 |
| 47 | Norway | 0.34 | 119 | Benin | 0.02 |
| 48 | Algeria | 0.33 | 120 | Malawi | 0.02 |
| 49 | United Arab Emirates | 0.33 | 121 | Kyrgyz Republic | 0.02 |
| 50 | Portugal | 0.32 | 121 | Mongolia | 0.02 |
| 51 | Israel | 0.30 | 121 | Rwanda | 0.02 |
| 52 | Kazakhstan | 0.28 | 124 | Haiti | 0.02 |
| 53 | Denmark | 0.26 | 124 | Iceland | 0.02 |
| 54 | Finland | 0.25 | 126 | Guinea | 0.02 |
| 54 | Hungary | 0.25 | 126 | Moldova | 0.02 |
| 56 | Qatar | 0.23 | 128 | Malta | 0.01 |
| 57 | Ireland | 0.23 | 129 | Timor-Leste | 0.01 |
| 58 | Morocco | 0.21 | 130 | Mauritania | 0.01 |
| 59 | Kuwait | 0.20 | 130 | Montenegro | 0.01 |
| 60 | Ecuador | 0.16 | 132 | Barbados | 0.01 |
| 61 | Slovak Republic | 0.16 | 132 | Swaziland | 0.01 |
| 62 | New Zealand | 0.16 | 132 | Zimbabwe | 0.01 |
| 63 | Sri Lanka | 0.15 | 135 | Burundi | 0.01 |
| 64 | Bulgaria | 0.13 | 135 | Guyana | 0.01 |
| 65 | Ethiopia | 0.12 | 137 | Sierra Leone | 0.01 |
| 66 | Azerbaijan | 0.12 | 137 | Suriname | 0.01 |
| 66 | Dominican Republic | 0.12 | 139 | Lesotho | 0.01 |
| 68 | Oman | 0.10 | 140 | Gambia, The | 0.00 |
| 69 | Croatia | 0.10 | 141 | Cape Verde | 0.00 |
| 70 | Serbia | 0.10 | 141 | Seychelles | 0.00 |
| 71 | Ghana | 0.10 | 143 | Liberia | 0.00 |
| 71 | Guatemala | 0.10 | n/a | Puerto Rico | n/a |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

Pillar 1

Institutions

1.01 Property rights

How would you rate the protection of property rights, including financial assets, in your country? [1 = very weak; 7 = very strong] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Finland | 6.5 | | | | 73 | Greece | 4.2 | | | |
| 2 | Switzerland | 6.4 | | | | 74 | Philippines | 4.1 | | | |
| 3 | Singapore | 6.4 | | | | 75 | Slovak Republic | 4.1 | | | |
| 4 | Luxembourg | 6.2 | | | | 76 | Czech Republic | 4.1 | | | |
| 5 | United Kingdom | 6.2 | | | | 77 | Kazakhstan | 4.1 | | | |
| 6 | New Zealand | 6.1 | | | | 78 | Senegal | 4.1 | | | |
| 7 | Hong Kong SAR | 6.1 | | | | 79 | Uganda | 4.1 | | | |
| 8 | Canada | 6.0 | | | | 80 | Trinidad and Tobago | 4.1 | | | |
| 9 | Netherlands | 6.0 | | | | 81 | Indonesia | 4.1 | | | |
| 10 | Norway | 5.9 | | | | 82 | Ethiopia | 4.1 | | | |
| 11 | Sweden | 5.9 | | | | 83 | Swaziland | 4.0 | | | |
| 12 | Taiwan, China | 5.9 | | | | 84 | Macedonia, FYR | 4.0 | | | |
| 13 | Austria | 5.8 | | | | 85 | Egypt | 4.0 | | | |
| 14 | Germany | 5.8 | | | | 86 | Cape Verde | 4.0 | | | |
| 15 | Japan | 5.8 | | | | 87 | Azerbaijan | 4.0 | | | |
| 16 | Ireland | 5.8 | | | | 88 | Malawi | 3.9 | | | |
| 17 | Puerto Rico | 5.8 | | | | 89 | Dominican Republic | 3.9 | | | |
| 18 | France | 5.7 | | | | 90 | Benin | 3.9 | | | |
| 19 | Bahrain | 5.7 | | | | 91 | Ghana | 3.9 | | | |
| 20 | Saudi Arabia | 5.6 | | | | 92 | Romania | 3.9 | | | |
| 21 | Malta | 5.6 | | | | 93 | Hungary | 3.8 | | | |
| 22 | Qatar | 5.5 | | | | 94 | Tajikistan | 3.8 | | | |
| 23 | Denmark | 5.5 | | | | 95 | Cambodia | 3.8 | | | |
| 24 | Oman | 5.5 | | | | 96 | Colombia | 3.8 | | | |
| 25 | Australia | 5.5 | | | | 97 | Cameroon | 3.8 | | | |
| 26 | South Africa | 5.4 | | | | 98 | Peru | 3.8 | | | |
| 27 | Barbados | 5.4 | | | | 99 | El Salvador | 3.8 | | | |
| 28 | Malaysia | 5.4 | | | | 100 | Croatia | 3.8 | | | |
| 29 | Israel | 5.3 | | | | 101 | Libya | 3.7 | | | |
| 30 | Jordan | 5.3 | | | | 102 | Guatemala | 3.7 | | | |
| 31 | Belgium | 5.3 | | | | 103 | Thailand | 3.7 | | | |
| 32 | Cyprus | 5.2 | | | | 104 | Bangladesh | 3.6 | | | |
| 33 | United Arab Emirates | 5.2 | | | | 105 | Guyana | 3.6 | | | |
| 34 | Rwanda | 5.2 | | | | 106 | Tanzania | 3.6 | | | |
| 35 | Estonia | 5.2 | | | | 107 | Honduras | 3.6 | | | |
| 36 | Mauritius | 5.2 | | | | 108 | Mali | 3.6 | | | |
| 37 | Chile | 5.2 | | | | 109 | Suriname | 3.6 | | | |
| 38 | Kuwait | 5.1 | | | | 110 | Kenya | 3.6 | | | |
| 39 | Iceland | 5.1 | | | | 111 | Sierra Leone | 3.6 | | | |
| 40 | Namibia | 5.1 | | | | 112 | Mozambique | 3.5 | | | |
| 41 | Uruguay | 5.0 | | | | 113 | Vietnam | 3.5 | | | |
| 42 | United States | 5.0 | | | | 114 | Nepal | 3.5 | | | |
| 43 | Panama | 4.9 | | | | 115 | Bulgaria | 3.5 | | | |
| 44 | Gabon | 4.9 | | | | 116 | Pakistan | 3.5 | | | |
| 45 | Gambia, The | 4.9 | | | | 117 | Mauritania | 3.4 | | | |
| 46 | Botswana | 4.9 | | | | 118 | Mongolia | 3.4 | | | |
| 47 | China | 4.9 | | | | 119 | Nigeria | 3.4 | | | |
| 48 | Spain | 4.8 | | | | 120 | Ecuador | 3.4 | | | |
| 49 | Portugal | 4.8 | | | | 121 | Bosnia and Herzegovina | 3.3 | | | |
| 50 | Seychelles | 4.7 | | | | 122 | Moldova | 3.3 | | | |
| 51 | Brazil | 4.7 | | | | 123 | Nicaragua | 3.3 | | | |
| 52 | Korea, Rep. | 4.7 | | | | 124 | Yemen | 3.3 | | | |
| 53 | Morocco | 4.6 | | | | 125 | Lesotho | 3.3 | | | |
| 54 | Montenegro | 4.6 | | | | 126 | Côte d'Ivoire | 3.2 | | | |
| 55 | Iran, Islamic Rep. | 4.6 | | | | 127 | Guinea | 3.2 | | | |
| 56 | Brunei Darussalam | 4.6 | | | | 128 | Bolivia | 3.2 | | | |
| 57 | Turkey | 4.5 | | | | 129 | Albania | 3.1 | | | |
| 58 | Zambia | 4.5 | | | | 130 | Serbia | 3.1 | | | |
| 59 | Costa Rica | 4.5 | | | | 131 | Georgia | 3.1 | | | |
| 60 | Slovenia | 4.4 | | | | 132 | Paraguay | 3.0 | | | |
| 61 | India | 4.4 | | | | 133 | Russian Federation | 2.8 | | | |
| 62 | Liberia | 4.4 | | | | 134 | Ukraine | 2.7 | | | |
| 63 | Poland | 4.4 | | | | 135 | Argentina | 2.6 | | | |
| 64 | Armenia | 4.3 | | | | 136 | Timor-Leste | 2.6 | | | |
| 65 | Sri Lanka | 4.3 | | | | 137 | Zimbabwe | 2.6 | | | |
| 66 | Burkina Faso | 4.3 | | | | 138 | Madagascar | 2.6 | | | |
| 67 | Lithuania | 4.3 | | | | 139 | Chad | 2.6 | | | |
| 68 | Lebanon | 4.3 | | | | 140 | Algeria | 2.5 | | | |
| 69 | Italy | 4.3 | | | | 141 | Burundi | 2.4 | | | |
| 70 | Latvia | 4.2 | | | | 142 | Kyrgyz Republic | 2.4 | | | |
| 71 | Mexico | 4.2 | | | | 143 | Haiti | 2.1 | | | |
| 72 | Jamaica | 4.2 | | | | 144 | Venezuela | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.02 Intellectual property protection

How would you rate intellectual property protection, including anti-counterfeiting measures, in your country? [1 = very weak; 7 = very strong] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Finland | 6.3 | | | | 73 | Macedonia, FYR | 3.5 | | | |
| 2 | Singapore | 6.1 | | | | 74 | Tajikistan | 3.5 | | | |
| 3 | New Zealand | 6.1 | | | | 75 | Brazil | 3.5 | | | |
| 4 | Switzerland | 6.0 | | | | 76 | Croatia | 3.5 | | | |
| 5 | Netherlands | 5.9 | | | | 77 | Mexico | 3.5 | | | |
| 6 | United Kingdom | 5.9 | | | | 78 | Guyana | 3.4 | | | |
| 7 | Luxembourg | 5.9 | | | | 79 | Jamaica | 3.4 | | | |
| 8 | Qatar | 5.8 | | | | 80 | Armenia | 3.4 | | | |
| 9 | France | 5.6 | | | | 81 | Trinidad and Tobago | 3.4 | | | |
| 10 | Germany | 5.6 | | | | 82 | Morocco | 3.4 | | | |
| 11 | Hong Kong SAR | 5.6 | | | | 83 | Egypt | 3.3 | | | |
| 12 | Sweden | 5.6 | | | | 84 | Uganda | 3.3 | | | |
| 13 | Puerto Rico | 5.6 | | | | 85 | Cambodia | 3.3 | | | |
| 14 | Norway | 5.5 | | | | 86 | Turkey | 3.3 | | | |
| 15 | Ireland | 5.5 | | | | 87 | Philippines | 3.2 | | | |
| 16 | Austria | 5.5 | | | | 88 | Bolivia | 3.2 | | | |
| 17 | Canada | 5.4 | | | | 89 | Colombia | 3.2 | | | |
| 18 | Japan | 5.4 | | | | 90 | Honduras | 3.2 | | | |
| 19 | Australia | 5.3 | | | | 91 | Benin | 3.2 | | | |
| 20 | South Africa | 5.3 | | | | 92 | Kazakhstan | 3.2 | | | |
| 21 | Denmark | 5.3 | | | | 93 | Ghana | 3.1 | | | |
| 22 | Taiwan, China | 5.2 | | | | 94 | Zimbabwe | 3.1 | | | |
| 23 | United Arab Emirates | 5.2 | | | | 95 | Senegal | 3.1 | | | |
| 24 | Belgium | 5.2 | | | | 96 | Kenya | 3.1 | | | |
| 25 | Oman | 5.2 | | | | 97 | Tanzania | 3.1 | | | |
| 26 | Iceland | 5.2 | | | | 98 | Nicaragua | 3.1 | | | |
| 27 | Saudi Arabia | 5.1 | | | | 99 | Gabon | 3.1 | | | |
| 28 | Bahrain | 5.1 | | | | 100 | Cameroon | 3.1 | | | |
| 29 | United States | 5.0 | | | | 101 | Thailand | 3.1 | | | |
| 30 | Barbados | 4.9 | | | | 102 | Sierra Leone | 3.1 | | | |
| 31 | Malaysia | 4.9 | | | | 103 | Albania | 3.0 | | | |
| 32 | Rwanda | 4.8 | | | | 104 | Lesotho | 3.0 | | | |
| 33 | Israel | 4.8 | | | | 105 | Bulgaria | 3.0 | | | |
| 34 | Estonia | 4.7 | | | | 106 | Pakistan | 3.0 | | | |
| 35 | Malta | 4.7 | | | | 107 | Mauritania | 2.9 | | | |
| 36 | Gambia, The | 4.7 | | | | 108 | Timor-Leste | 2.9 | | | |
| 37 | Liberia | 4.6 | | | | 109 | Mali | 2.9 | | | |
| 38 | Panama | 4.6 | | | | 110 | Nigeria | 2.9 | | | |
| 39 | Jordan | 4.5 | | | | 111 | Libya | 2.9 | | | |
| 40 | Korea, Rep. | 4.3 | | | | 112 | Iran, Islamic Rep. | 2.9 | | | |
| 41 | Slovenia | 4.3 | | | | 113 | Cape Verde | 2.9 | | | |
| 42 | Portugal | 4.3 | | | | 114 | Romania | 2.9 | | | |
| 43 | Namibia | 4.3 | | | | 115 | Ecuador | 2.8 | | | |
| 44 | Cyprus | 4.2 | | | | 116 | Serbia | 2.8 | | | |
| 45 | Botswana | 4.1 | | | | 117 | Moldova | 2.8 | | | |
| 46 | Kuwait | 4.0 | | | | 118 | Nepal | 2.8 | | | |
| 47 | Brunei Darussalam | 4.0 | | | | 119 | Dominican Republic | 2.7 | | | |
| 48 | Hungary | 4.0 | | | | 120 | Ukraine | 2.7 | | | |
| 49 | Uruguay | 4.0 | | | | 121 | Guatemala | 2.6 | | | |
| 50 | Spain | 4.0 | | | | 122 | Côte d'Ivoire | 2.6 | | | |
| 51 | China | 3.9 | | | | 123 | Vietnam | 2.6 | | | |
| 52 | Seychelles | 3.9 | | | | 124 | Lebanon | 2.6 | | | |
| 53 | Azerbaijan | 3.9 | | | | 125 | Russian Federation | 2.6 | | | |
| 54 | Mauritius | 3.8 | | | | 126 | Georgia | 2.6 | | | |
| 55 | Sri Lanka | 3.8 | | | | 127 | Peru | 2.6 | | | |
| 56 | Czech Republic | 3.8 | | | | 128 | Mozambique | 2.6 | | | |
| 57 | Latvia | 3.8 | | | | 129 | Suriname | 2.5 | | | |
| 58 | Slovak Republic | 3.8 | | | | 130 | Bosnia and Herzegovina | 2.5 | | | |
| 59 | Zambia | 3.8 | | | | 131 | Bangladesh | 2.4 | | | |
| 60 | Indonesia | 3.7 | | | | 132 | Mongolia | 2.4 | | | |
| 61 | Chile | 3.7 | | | | 133 | El Salvador | 2.4 | | | |
| 62 | Italy | 3.7 | | | | 134 | Argentina | 2.4 | | | |
| 63 | India | 3.7 | | | | 135 | Madagascar | 2.4 | | | |
| 64 | Greece | 3.7 | | | | 136 | Paraguay | 2.2 | | | |
| 65 | Lithuania | 3.7 | | | | 137 | Guinea | 2.2 | | | |
| 66 | Ethiopia | 3.6 | | | | 138 | Chad | 2.1 | | | |
| 67 | Poland | 3.6 | | | | 139 | Yemen | 2.0 | | | |
| 68 | Costa Rica | 3.6 | | | | 140 | Kyrgyz Republic | 2.0 | | | |
| 69 | Swaziland | 3.6 | | | | 141 | Burundi | 1.9 | | | |
| 70 | Montenegro | 3.6 | | | | 142 | Algeria | 1.8 | | | |
| 71 | Burkina Faso | 3.6 | | | | 143 | Venezuela | 1.7 | | | |
| 72 | Malawi | 3.6 | | | | 144 | Haiti | 1.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.03 Diversion of public funds

In your country, how common is diversion of public funds to companies, individuals, or groups due to corruption? [1 = very common; 7 = never occurs] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | New Zealand | 6.5 | | | | 73 | Malawi | 3.1 | | | |
| 2 | Denmark | 6.3 | | | | 74 | Kazakhstan | 3.1 | | | |
| 3 | Finland | 6.2 | | | | 75 | Zambia | 3.0 | | | |
| 4 | Singapore | 6.2 | | | | 76 | Pakistan | 3.0 | | | |
| 5 | Switzerland | 6.0 | | | | 77 | Panama | 3.0 | | | |
| 6 | Sweden | 6.0 | | | | 78 | Tanzania | 3.0 | | | |
| 7 | Luxembourg | 6.0 | | | | 79 | Lithuania | 3.0 | | | |
| 8 | Netherlands | 5.9 | | | | 80 | Timor-Leste | 3.0 | | | |
| 9 | Qatar | 5.9 | | | | 81 | Armenia | 3.0 | | | |
| 10 | Norway | 5.9 | | | | 82 | Thailand | 3.0 | | | |
| 11 | United Arab Emirates | 5.7 | | | | 83 | Lesotho | 3.0 | | | |
| 12 | Hong Kong SAR | 5.7 | | | | 84 | South Africa | 3.0 | | | |
| 13 | United Kingdom | 5.7 | | | | 85 | Italy | 2.9 | | | |
| 14 | Canada | 5.6 | | | | 86 | Azerbaijan | 2.9 | | | |
| 15 | Ireland | 5.6 | | | | 87 | Bulgaria | 2.9 | | | |
| 16 | Germany | 5.5 | | | | 88 | Mexico | 2.9 | | | |
| 17 | Australia | 5.5 | | | | 89 | Trinidad and Tobago | 2.9 | | | |
| 18 | Oman | 5.3 | | | | 90 | Libya | 2.9 | | | |
| 19 | Japan | 5.3 | | | | 91 | India | 2.8 | | | |
| 20 | Iceland | 5.3 | | | | 92 | Zimbabwe | 2.8 | | | |
| 21 | Belgium | 5.2 | | | | 93 | Kenya | 2.8 | | | |
| 22 | Chile | 5.2 | | | | 94 | Guinea | 2.8 | | | |
| 23 | Bahrain | 5.2 | | | | 95 | Serbia | 2.8 | | | |
| 24 | Saudi Arabia | 5.1 | | | | 96 | Sierra Leone | 2.8 | | | |
| 25 | Brunei Darussalam | 5.1 | | | | 97 | Albania | 2.8 | | | |
| 26 | Uruguay | 5.0 | | | | 98 | Guyana | 2.8 | | | |
| 27 | Barbados | 4.9 | | | | 99 | Croatia | 2.8 | | | |
| 28 | Israel | 4.9 | | | | 100 | Philippines | 2.8 | | | |
| 29 | France | 4.8 | | | | 101 | Honduras | 2.7 | | | |
| 30 | Georgia | 4.7 | | | | 102 | Gabon | 2.7 | | | |
| 31 | Botswana | 4.7 | | | | 103 | Peru | 2.7 | | | |
| 32 | Taiwan, China | 4.6 | | | | 104 | Nicaragua | 2.7 | | | |
| 33 | Estonia | 4.6 | | | | 105 | Nepal | 2.7 | | | |
| 34 | United States | 4.6 | | | | 106 | Hungary | 2.6 | | | |
| 35 | Gambia, The | 4.5 | | | | 107 | Bangladesh | 2.6 | | | |
| 36 | Austria | 4.5 | | | | 108 | Moldova | 2.6 | | | |
| 37 | Rwanda | 4.5 | | | | 109 | Ecuador | 2.6 | | | |
| 38 | Liberia | 4.4 | | | | 110 | El Salvador | 2.6 | | | |
| 39 | Cyprus | 4.4 | | | | 111 | Mauritania | 2.6 | | | |
| 40 | Cape Verde | 4.4 | | | | 112 | Benin | 2.6 | | | |
| 41 | Montenegro | 4.3 | | | | 113 | Egypt | 2.6 | | | |
| 42 | Malaysia | 4.2 | | | | 114 | Swaziland | 2.6 | | | |
| 43 | Malta | 4.1 | | | | 115 | Romania | 2.5 | | | |
| 44 | Poland | 4.0 | | | | 116 | Mali | 2.5 | | | |
| 45 | Portugal | 3.9 | | | | 117 | Ukraine | 2.5 | | | |
| 46 | Seychelles | 3.9 | | | | 118 | Burkina Faso | 2.5 | | | |
| 47 | Jordan | 3.8 | | | | 119 | Greece | 2.5 | | | |
| 48 | Mauritius | 3.8 | | | | 120 | Slovak Republic | 2.5 | | | |
| 49 | Costa Rica | 3.8 | | | | 121 | Brazil | 2.5 | | | |
| 50 | Puerto Rico | 3.8 | | | | 122 | Senegal | 2.5 | | | |
| 51 | China | 3.7 | | | | 123 | Lebanon | 2.5 | | | |
| 52 | Morocco | 3.7 | | | | 124 | Madagascar | 2.5 | | | |
| 53 | Spain | 3.7 | | | | 125 | Côte d'Ivoire | 2.4 | | | |
| 54 | Macedonia, FYR | 3.6 | | | | 126 | Russian Federation | 2.4 | | | |
| 55 | Turkey | 3.6 | | | | 127 | Czech Republic | 2.3 | | | |
| 56 | Bosnia and Herzegovina | 3.5 | | | | 128 | Mozambique | 2.3 | | | |
| 57 | Sri Lanka | 3.5 | | | | 129 | Mongolia | 2.3 | | | |
| 58 | Korea, Rep. | 3.5 | | | | 130 | Colombia | 2.3 | | | |
| 59 | Iran, Islamic Rep. | 3.5 | | | | 131 | Algeria | 2.2 | | | |
| 60 | Cambodia | 3.4 | | | | 132 | Guatemala | 2.2 | | | |
| 61 | Slovenia | 3.4 | | | | 133 | Cameroon | 2.2 | | | |
| 62 | Kuwait | 3.4 | | | | 134 | Chad | 2.2 | | | |
| 63 | Ethiopia | 3.4 | | | | 135 | Nigeria | 2.2 | | | |
| 64 | Suriname | 3.4 | | | | 136 | Paraguay | 2.2 | | | |
| 65 | Indonesia | 3.4 | | | | 137 | Haiti | 2.1 | | | |
| 66 | Tajikistan | 3.3 | | | | 138 | Kyrgyz Republic | 2.1 | | | |
| 67 | Bolivia | 3.3 | | | | 139 | Uganda | 2.0 | | | |
| 68 | Latvia | 3.3 | | | | 140 | Argentina | 1.9 | | | |
| 69 | Vietnam | 3.3 | | | | 141 | Burundi | 1.8 | | | |
| 70 | Ghana | 3.2 | | | | 142 | Dominican Republic | 1.8 | | | |
| 71 | Namibia | 3.1 | | | | 143 | Venezuela | 1.7 | | | |
| 72 | Jamaica | 3.1 | | | | 144 | Yemen | 1.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.04 Public trust in politicians

How would you rate the level of public trust in the ethical standards of politicians in your country? [1 = very low; 7 = very high] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.0 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.0 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.3 | | | | 73 | Malawi | 2.7 | | | |
| 2 | Qatar | 6.1 | | | | 74 | Sierra Leone | 2.6 | | | |
| 3 | United Arab Emirates | 5.8 | | | | 75 | Albania | 2.6 | | | |
| 4 | Norway | 5.7 | | | | 76 | Ghana | 2.6 | | | |
| 5 | Saudi Arabia | 5.6 | | | | 77 | Ecuador | 2.6 | | | |
| 6 | Rwanda | 5.6 | | | | 78 | Guinea | 2.6 | | | |
| 7 | Sweden | 5.5 | | | | 79 | Spain | 2.6 | | | |
| 8 | New Zealand | 5.5 | | | | 80 | Bosnia and Herzegovina | 2.6 | | | |
| 9 | Luxembourg | 5.4 | | | | 81 | Yemen | 2.6 | | | |
| 10 | Netherlands | 5.4 | | | | 82 | Mali | 2.6 | | | |
| 11 | Switzerland | 5.2 | | | | 83 | Uganda | 2.5 | | | |
| 12 | Finland | 5.1 | | | | 84 | Latvia | 2.5 | | | |
| 13 | Oman | 5.0 | | | | 85 | Bulgaria | 2.5 | | | |
| 14 | Brunei Darussalam | 4.9 | | | | 86 | Russian Federation | 2.5 | | | |
| 15 | Denmark | 4.7 | | | | 87 | Mauritania | 2.5 | | | |
| 16 | Barbados | 4.4 | | | | 88 | South Africa | 2.4 | | | |
| 17 | Malaysia | 4.4 | | | | 89 | Mozambique | 2.4 | | | |
| 18 | Gambia, The | 4.4 | | | | 90 | Poland | 2.4 | | | |
| 19 | Canada | 4.4 | | | | 91 | Nicaragua | 2.4 | | | |
| 20 | Taiwan, China | 4.3 | | | | 92 | Kenya | 2.4 | | | |
| 21 | Uruguay | 4.3 | | | | 93 | Swaziland | 2.4 | | | |
| 22 | Botswana | 4.3 | | | | 94 | Lesotho | 2.4 | | | |
| 23 | Bahrain | 4.2 | | | | 95 | Philippines | 2.4 | | | |
| 24 | Hong Kong SAR | 4.1 | | | | 96 | Moldova | 2.3 | | | |
| 25 | Liberia | 4.1 | | | | 97 | Mexico | 2.3 | | | |
| 26 | China | 4.1 | | | | 98 | Benin | 2.3 | | | |
| 27 | Australia | 4.0 | | | | 99 | Pakistan | 2.3 | | | |
| 28 | Cape Verde | 4.0 | | | | 100 | Colombia | 2.3 | | | |
| 29 | Chile | 4.0 | | | | 101 | Panama | 2.2 | | | |
| 30 | Estonia | 3.9 | | | | 102 | Nigeria | 2.2 | | | |
| 31 | United Kingdom | 3.8 | | | | 103 | Burkina Faso | 2.2 | | | |
| 32 | Tajikistan | 3.8 | | | | 104 | Trinidad and Tobago | 2.2 | | | |
| 33 | Germany | 3.7 | | | | 105 | Côte d'Ivoire | 2.2 | | | |
| 34 | Cambodia | 3.7 | | | | 106 | India | 2.2 | | | |
| 35 | Iran, Islamic Rep. | 3.7 | | | | 107 | Thailand | 2.2 | | | |
| 36 | Montenegro | 3.7 | | | | 108 | Chad | 2.2 | | | |
| 37 | Kazakhstan | 3.7 | | | | 109 | Honduras | 2.2 | | | |
| 38 | Seychelles | 3.6 | | | | 110 | Suriname | 2.1 | | | |
| 39 | Libya | 3.5 | | | | 111 | Cameroon | 2.1 | | | |
| 40 | Belgium | 3.5 | | | | 112 | Sri Lanka | 2.1 | | | |
| 41 | Cyprus | 3.5 | | | | 113 | Lithuania | 2.1 | | | |
| 42 | Vietnam | 3.4 | | | | 114 | Mongolia | 2.1 | | | |
| 43 | Turkey | 3.4 | | | | 115 | Croatia | 2.1 | | | |
| 44 | France | 3.4 | | | | 116 | Slovenia | 2.1 | | | |
| 45 | Jordan | 3.4 | | | | 117 | Korea, Rep. | 2.1 | | | |
| 46 | Namibia | 3.3 | | | | 118 | Serbia | 2.0 | | | |
| 47 | Azerbaijan | 3.3 | | | | 119 | Jamaica | 2.0 | | | |
| 48 | Ethiopia | 3.2 | | | | 120 | Ukraine | 2.0 | | | |
| 49 | Malta | 3.2 | | | | 121 | Brazil | 2.0 | | | |
| 50 | Ireland | 3.2 | | | | 122 | Guatemala | 2.0 | | | |
| 51 | Zambia | 3.2 | | | | 123 | Senegal | 2.0 | | | |
| 52 | Morocco | 3.2 | | | | 124 | Bangladesh | 1.9 | | | |
| 53 | Kuwait | 3.2 | | | | 125 | Nepal | 1.9 | | | |
| 54 | United States | 3.1 | | | | 126 | Kyrgyz Republic | 1.9 | | | |
| 55 | Gabon | 3.1 | | | | 127 | Peru | 1.9 | | | |
| 56 | Timor-Leste | 3.1 | | | | 128 | Hungary | 1.8 | | | |
| 57 | Japan | 3.1 | | | | 129 | Algeria | 1.8 | | | |
| 58 | Mauritius | 3.1 | | | | 130 | Zimbabwe | 1.8 | | | |
| 59 | Israel | 3.0 | | | | 131 | Italy | 1.8 | | | |
| 60 | Indonesia | 3.0 | | | | 132 | Madagascar | 1.8 | | | |
| 61 | Austria | 3.0 | | | | 133 | Romania | 1.8 | | | |
| 62 | Bolivia | 3.0 | | | | 134 | Burundi | 1.7 | | | |
| 63 | Georgia | 3.0 | | | | 135 | El Salvador | 1.7 | | | |
| 64 | Costa Rica | 2.9 | | | | 136 | Slovak Republic | 1.7 | | | |
| 65 | Macedonia, FYR | 2.9 | | | | 137 | Venezuela | 1.7 | | | |
| 66 | Tanzania | 2.8 | | | | 138 | Dominican Republic | 1.6 | | | |
| 67 | Portugal | 2.8 | | | | 139 | Czech Republic | 1.6 | | | |
| 68 | Iceland | 2.8 | | | | 140 | Paraguay | 1.6 | | | |
| 69 | Egypt | 2.8 | | | | 141 | Greece | 1.5 | | | |
| 70 | Guyana | 2.8 | | | | 142 | Lebanon | 1.5 | | | |
| 71 | Armenia | 2.8 | | | | 143 | Argentina | 1.5 | | | |
| 72 | Puerto Rico | 2.7 | | | | 144 | Haiti | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.05 Irregular payments and bribes

Average score across the five components of the following Executive Opinion Survey question: In your country, how common is it for firms to make undocumented extra payments or bribes connected with (a) imports and exports; (b) public utilities; (c) annual tax payments; (d) awarding of public contracts and licenses; (e) obtaining favorable judicial decisions. In each case, the answer ranges from 1 (very common) to 7 (never occurs). | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | New Zealand | 6.7 | | | | 73 | Guatemala | 3.9 | | | |
| 2 | Finland | 6.6 | | | | 74 | Czech Republic | 3.8 | | | |
| 3 | Singapore | 6.6 | | | | 75 | Libya | 3.8 | | | |
| 4 | Denmark | 6.4 | | | | 76 | Bulgaria | 3.8 | | | |
| 5 | Iceland | 6.4 | | | | 77 | Gabon | 3.8 | | | |
| 6 | United Arab Emirates | 6.4 | | | | 78 | Jamaica | 3.8 | | | |
| 7 | Luxembourg | 6.4 | | | | 79 | Romania | 3.7 | | | |
| 8 | Norway | 6.3 | | | | 80 | Thailand | 3.7 | | | |
| 9 | Qatar | 6.3 | | | | 81 | Mexico | 3.7 | | | |
| 10 | Sweden | 6.2 | | | | 82 | Armenia | 3.7 | | | |
| 11 | Japan | 6.2 | | | | 83 | Swaziland | 3.7 | | | |
| 12 | Netherlands | 6.2 | | | | 84 | Albania | 3.6 | | | |
| 13 | Switzerland | 6.2 | | | | 85 | Trinidad and Tobago | 3.6 | | | |
| 14 | Ireland | 6.1 | | | | 86 | Serbia | 3.6 | | | |
| 15 | Hong Kong SAR | 6.1 | | | | 87 | Honduras | 3.6 | | | |
| 16 | Canada | 6.0 | | | | 88 | Mozambique | 3.6 | | | |
| 17 | United Kingdom | 5.9 | | | | 89 | Timor-Leste | 3.6 | | | |
| 18 | Germany | 5.9 | | | | 90 | Suriname | 3.6 | | | |
| 19 | Oman | 5.8 | | | | 91 | Croatia | 3.6 | | | |
| 20 | Australia | 5.8 | | | | 92 | Slovak Republic | 3.6 | | | |
| 21 | Rwanda | 5.8 | | | | 93 | Zambia | 3.5 | | | |
| 22 | Bahrain | 5.8 | | | | 94 | Senegal | 3.5 | | | |
| 23 | Chile | 5.7 | | | | 95 | Lesotho | 3.5 | | | |
| 24 | Saudi Arabia | 5.6 | | | | 96 | Colombia | 3.5 | | | |
| 25 | Brunei Darussalam | 5.6 | | | | 97 | Malawi | 3.4 | | | |
| 26 | Georgia | 5.6 | | | | 98 | Nicaragua | 3.4 | | | |
| 27 | Belgium | 5.6 | | | | 99 | India | 3.4 | | | |
| 28 | Uruguay | 5.5 | | | | 100 | Egypt | 3.4 | | | |
| 29 | Estonia | 5.5 | | | | 101 | Tajikistan | 3.4 | | | |
| 30 | Austria | 5.4 | | | | 102 | El Salvador | 3.4 | | | |
| 31 | Israel | 5.4 | | | | 103 | Moldova | 3.4 | | | |
| 32 | France | 5.4 | | | | 104 | Greece | 3.4 | | | |
| 33 | Barbados | 5.3 | | | | 105 | Ethiopia | 3.3 | | | |
| 34 | Portugal | 5.1 | | | | 106 | Dominican Republic | 3.3 | | | |
| 35 | Taiwan, China | 5.1 | | | | 107 | Cambodia | 3.2 | | | |
| 36 | Botswana | 5.0 | | | | 108 | Philippines | 3.2 | | | |
| 37 | Poland | 4.9 | | | | 109 | Ecuador | 3.2 | | | |
| 38 | Cape Verde | 4.9 | | | | 110 | Azerbaijan | 3.2 | | | |
| 39 | Slovenia | 4.9 | | | | 111 | Indonesia | 3.2 | | | |
| 40 | Spain | 4.8 | | | | 112 | Burkina Faso | 3.2 | | | |
| 41 | Cyprus | 4.8 | | | | 113 | Côte d'Ivoire | 3.2 | | | |
| 42 | United States | 4.8 | | | | 114 | Mongolia | 3.2 | | | |
| 43 | Jordan | 4.8 | | | | 115 | Ghana | 3.1 | | | |
| 44 | Mauritius | 4.7 | | | | 116 | Tanzania | 3.1 | | | |
| 45 | Puerto Rico | 4.7 | | | | 117 | Sierra Leone | 3.1 | | | |
| 46 | Malaysia | 4.7 | | | | 118 | Vietnam | 3.1 | | | |
| 47 | South Africa | 4.6 | | | | 119 | Pakistan | 3.1 | | | |
| 48 | Lithuania | 4.5 | | | | 120 | Russian Federation | 3.1 | | | |
| 49 | Malta | 4.5 | | | | 121 | Paraguay | 3.1 | | | |
| 50 | Korea, Rep. | 4.4 | | | | 122 | Mauritania | 3.0 | | | |
| 51 | Gambia, The | 4.4 | | | | 123 | Guyana | 3.0 | | | |
| 52 | Kuwait | 4.4 | | | | 124 | Uganda | 3.0 | | | |
| 53 | Macedonia, FYR | 4.4 | | | | 125 | Kenya | 3.0 | | | |
| 54 | Montenegro | 4.4 | | | | 126 | Argentina | 2.9 | | | |
| 55 | Hungary | 4.3 | | | | 127 | Nigeria | 2.9 | | | |
| 56 | Costa Rica | 4.3 | | | | 128 | Cameroon | 2.9 | | | |
| 57 | Seychelles | 4.3 | | | | 129 | Nepal | 2.9 | | | |
| 58 | Latvia | 4.3 | | | | 130 | Madagascar | 2.9 | | | |
| 59 | Turkey | 4.3 | | | | 131 | Haiti | 2.7 | | | |
| 60 | Morocco | 4.2 | | | | 132 | Lebanon | 2.7 | | | |
| 61 | Namibia | 4.2 | | | | 133 | Ukraine | 2.7 | | | |
| 62 | Iran, Islamic Rep. | 4.1 | | | | 134 | Venezuela | 2.6 | | | |
| 63 | Bosnia and Herzegovina | 4.1 | | | | 135 | Algeria | 2.6 | | | |
| 64 | Kazakhstan | 4.0 | | | | 136 | Benin | 2.5 | | | |
| 65 | Brazil | 4.0 | | | | 137 | Kyrgyz Republic | 2.5 | | | |
| 66 | Liberia | 4.0 | | | | 138 | Yemen | 2.5 | | | |
| 67 | China | 4.0 | | | | 139 | Mali | 2.4 | | | |
| 68 | Italy | 3.9 | | | | 140 | Burundi | 2.3 | | | |
| 69 | Zimbabwe | 3.9 | | | | 141 | Chad | 2.3 | | | |
| 70 | Sri Lanka | 3.9 | | | | 142 | Guinea | 2.3 | | | |
| 71 | Panama | 3.9 | | | | 143 | Bolivia | 2.3 | | | |
| 72 | Peru | 3.9 | | | | 144 | Bangladesh | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.06 Judicial independence

To what extent is the judiciary in your country independent from influences of members of government, citizens, or firms? [1 = heavily influenced; 7 = entirely independent]
| 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | New Zealand | 6.7 | | | | 73 | Nigeria | 3.7 | | | |
| 2 | Finland | 6.5 | | | | 74 | Korea, Rep. | 3.7 | | | |
| 3 | Netherlands | 6.4 | | | | 75 | Czech Republic | 3.7 | | | |
| 4 | Ireland | 6.3 | | | | 76 | Indonesia | 3.6 | | | |
| 5 | Canada | 6.3 | | | | 77 | Tanzania | 3.5 | | | |
| 6 | Switzerland | 6.3 | | | | 78 | Bosnia and Herzegovina | 3.5 | | | |
| 7 | Germany | 6.2 | | | | 79 | Zambia | 3.5 | | | |
| 8 | Norway | 6.2 | | | | 80 | Uganda | 3.5 | | | |
| 9 | Sweden | 6.2 | | | | 81 | Morocco | 3.5 | | | |
| 10 | Qatar | 6.2 | | | | 82 | Lithuania | 3.5 | | | |
| 11 | United Kingdom | 6.2 | | | | 83 | Turkey | 3.5 | | | |
| 12 | Hong Kong SAR | 6.0 | | | | 84 | Libya | 3.4 | | | |
| 13 | Denmark | 6.0 | | | | 85 | Kenya | 3.4 | | | |
| 14 | Australia | 6.0 | | | | 86 | Azerbaijan | 3.4 | | | |
| 15 | Israel | 5.9 | | | | 87 | Vietnam | 3.4 | | | |
| 16 | Luxembourg | 5.8 | | | | 88 | Mexico | 3.4 | | | |
| 17 | Japan | 5.8 | | | | 89 | Nepal | 3.3 | | | |
| 18 | Iceland | 5.7 | | | | 90 | Swaziland | 3.3 | | | |
| 19 | Barbados | 5.7 | | | | 91 | Cambodia | 3.3 | | | |
| 20 | Singapore | 5.7 | | | | 92 | Timor-Leste | 3.2 | | | |
| 21 | Estonia | 5.5 | | | | 93 | Guyana | 3.2 | | | |
| 22 | Botswana | 5.5 | | | | 94 | Kazakhstan | 3.2 | | | |
| 23 | United Arab Emirates | 5.4 | | | | 95 | Georgia | 3.2 | | | |
| 24 | Chile | 5.3 | | | | 96 | Colombia | 3.2 | | | |
| 25 | Rwanda | 5.3 | | | | 97 | Bolivia | 3.1 | | | |
| 26 | Saudi Arabia | 5.3 | | | | 98 | Greece | 3.1 | | | |
| 27 | South Africa | 5.3 | | | | 99 | Philippines | 3.0 | | | |
| 28 | Belgium | 5.2 | | | | 100 | Lesotho | 3.0 | | | |
| 29 | Uruguay | 5.2 | | | | 101 | Benin | 2.9 | | | |
| 30 | Austria | 5.2 | | | | 102 | Bulgaria | 2.9 | | | |
| 31 | Oman | 5.1 | | | | 103 | Guatemala | 2.9 | | | |
| 32 | Bahrain | 5.1 | | | | 104 | Bangladesh | 2.8 | | | |
| 33 | Brunei Darussalam | 5.1 | | | | 105 | Macedonia, FYR | 2.8 | | | |
| 34 | Mauritius | 5.1 | | | | 106 | Croatia | 2.8 | | | |
| 35 | Malta | 5.0 | | | | 107 | Ethiopia | 2.8 | | | |
| 36 | Kuwait | 4.9 | | | | 108 | Sierra Leone | 2.8 | | | |
| 37 | France | 4.9 | | | | 109 | Mauritania | 2.8 | | | |
| 38 | United States | 4.9 | | | | 110 | Armenia | 2.8 | | | |
| 39 | Cyprus | 4.8 | | | | 111 | Mali | 2.8 | | | |
| 40 | Costa Rica | 4.7 | | | | 112 | Mongolia | 2.8 | | | |
| 41 | Puerto Rico | 4.6 | | | | 113 | Zimbabwe | 2.7 | | | |
| 42 | Taiwan, China | 4.6 | | | | 114 | Romania | 2.7 | | | |
| 43 | Malaysia | 4.6 | | | | 115 | Slovak Republic | 2.7 | | | |
| 44 | Namibia | 4.6 | | | | 116 | El Salvador | 2.7 | | | |
| 45 | India | 4.5 | | | | 117 | Gabon | 2.6 | | | |
| 46 | Jamaica | 4.4 | | | | 118 | Senegal | 2.6 | | | |
| 47 | Trinidad and Tobago | 4.4 | | | | 119 | Guinea | 2.6 | | | |
| 48 | Jordan | 4.4 | | | | 120 | Dominican Republic | 2.6 | | | |
| 49 | Gambia, The | 4.3 | | | | 121 | Albania | 2.6 | | | |
| 50 | Poland | 4.2 | | | | 122 | Russian Federation | 2.6 | | | |
| 51 | Cape Verde | 4.2 | | | | 123 | Algeria | 2.5 | | | |
| 52 | Liberia | 4.2 | | | | 124 | Ukraine | 2.5 | | | |
| 53 | Egypt | 4.1 | | | | 125 | Peru | 2.5 | | | |
| 54 | Malawi | 4.1 | | | | 126 | Burkina Faso | 2.5 | | | |
| 55 | Suriname | 4.1 | | | | 127 | Cameroon | 2.5 | | | |
| 56 | Sri Lanka | 4.1 | | | | 128 | Ecuador | 2.5 | | | |
| 57 | Pakistan | 4.1 | | | | 129 | Serbia | 2.4 | | | |
| 58 | Ghana | 4.1 | | | | 130 | Mozambique | 2.4 | | | |
| 59 | Thailand | 4.0 | | | | 131 | Lebanon | 2.4 | | | |
| 60 | Spain | 4.0 | | | | 132 | Panama | 2.3 | | | |
| 61 | Latvia | 4.0 | | | | 133 | Argentina | 2.3 | | | |
| 62 | Seychelles | 4.0 | | | | 134 | Nicaragua | 2.2 | | | |
| 63 | Iran, Islamic Rep. | 4.0 | | | | 135 | Madagascar | 2.2 | | | |
| 64 | Tajikistan | 3.9 | | | | 136 | Chad | 2.2 | | | |
| 65 | Montenegro | 3.9 | | | | 137 | Côte d'Ivoire | 2.1 | | | |
| 66 | China | 3.9 | | | | 138 | Moldova | 2.1 | | | |
| 67 | Portugal | 3.9 | | | | 139 | Yemen | 2.0 | | | |
| 68 | Italy | 3.8 | | | | 140 | Kyrgyz Republic | 1.9 | | | |
| 69 | Honduras | 3.8 | | | | 141 | Paraguay | 1.9 | | | |
| 70 | Slovenia | 3.8 | | | | 142 | Haiti | 1.8 | | | |
| 71 | Brazil | 3.8 | | | | 143 | Burundi | 1.7 | | | |
| 72 | Hungary | 3.7 | | | | 144 | Venezuela | 1.3 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.07 Favoritism in decisions of government officials

To what extent do government officials in your country show favoritism to well-connected firms and individuals when deciding upon policies and contracts? [1 = always show favoritism; 7 = never show favoritism] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.2 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | New Zealand | 5.4 | | | | 73 | Mexico | 3.0 | | | |
| 2 | Singapore | 5.3 | | | | 74 | Egypt | 3.0 | | | |
| 3 | Sweden | 5.3 | | | | 75 | Armenia | 3.0 | | | |
| 4 | Netherlands | 5.2 | | | | 76 | Malta | 3.0 | | | |
| 5 | Rwanda | 5.1 | | | | 77 | Macedonia, FYR | 3.0 | | | |
| 6 | Qatar | 5.1 | | | | 78 | Ghana | 3.0 | | | |
| 7 | Finland | 5.1 | | | | 79 | Vietnam | 3.0 | | | |
| 8 | United Arab Emirates | 5.0 | | | | 80 | Brazil | 2.9 | | | |
| 9 | Switzerland | 4.9 | | | | 81 | Ecuador | 2.9 | | | |
| 10 | Norway | 4.9 | | | | 82 | Peru | 2.9 | | | |
| 11 | Japan | 4.8 | | | | 83 | Mozambique | 2.9 | | | |
| 12 | Saudi Arabia | 4.6 | | | | 84 | Albania | 2.9 | | | |
| 13 | Denmark | 4.6 | | | | 85 | Madagascar | 2.9 | | | |
| 14 | Bahrain | 4.5 | | | | 86 | Thailand | 2.8 | | | |
| 15 | Germany | 4.5 | | | | 87 | Philippines | 2.8 | | | |
| 16 | Oman | 4.5 | | | | 88 | Namibia | 2.8 | | | |
| 17 | Gambia, The | 4.3 | | | | 89 | Korea, Rep. | 2.8 | | | |
| 18 | Taiwan, China | 4.3 | | | | 90 | Burkina Faso | 2.8 | | | |
| 19 | Luxembourg | 4.3 | | | | 91 | Kazakhstan | 2.8 | | | |
| 20 | Brunei Darussalam | 4.3 | | | | 92 | India | 2.8 | | | |
| 21 | Chile | 4.3 | | | | 93 | Mali | 2.8 | | | |
| 22 | United Kingdom | 4.2 | | | | 94 | Sierra Leone | 2.8 | | | |
| 23 | Canada | 4.2 | | | | 95 | Côte d'Ivoire | 2.8 | | | |
| 24 | Australia | 4.2 | | | | 96 | Guatemala | 2.7 | | | |
| 25 | Malaysia | 4.1 | | | | 97 | Croatia | 2.7 | | | |
| 26 | Estonia | 4.1 | | | | 98 | Senegal | 2.7 | | | |
| 27 | Belgium | 4.1 | | | | 99 | Kuwait | 2.7 | | | |
| 28 | Ireland | 4.1 | | | | 100 | Suriname | 2.7 | | | |
| 29 | Botswana | 4.1 | | | | 101 | Malawi | 2.7 | | | |
| 30 | Liberia | 4.0 | | | | 102 | Nicaragua | 2.7 | | | |
| 31 | Montenegro | 4.0 | | | | 103 | Panama | 2.6 | | | |
| 32 | Uruguay | 4.0 | | | | 104 | Slovenia | 2.6 | | | |
| 33 | Hong Kong SAR | 3.9 | | | | 105 | Colombia | 2.6 | | | |
| 34 | China | 3.8 | | | | 106 | Bulgaria | 2.6 | | | |
| 35 | Indonesia | 3.8 | | | | 107 | Hungary | 2.6 | | | |
| 36 | Iceland | 3.8 | | | | 108 | Cameroon | 2.6 | | | |
| 37 | Austria | 3.8 | | | | 109 | Trinidad and Tobago | 2.6 | | | |
| 38 | Barbados | 3.7 | | | | 110 | South Africa | 2.6 | | | |
| 39 | France | 3.7 | | | | 111 | Swaziland | 2.6 | | | |
| 40 | Tajikistan | 3.7 | | | | 112 | Jamaica | 2.5 | | | |
| 41 | Iran, Islamic Rep. | 3.6 | | | | 113 | Uganda | 2.5 | | | |
| 42 | Morocco | 3.6 | | | | 114 | Greece | 2.5 | | | |
| 43 | Azerbaijan | 3.6 | | | | 115 | Honduras | 2.5 | | | |
| 44 | Sri Lanka | 3.6 | | | | 116 | Italy | 2.5 | | | |
| 45 | Jordan | 3.5 | | | | 117 | Zimbabwe | 2.5 | | | |
| 46 | Israel | 3.5 | | | | 118 | Lesotho | 2.5 | | | |
| 47 | Seychelles | 3.5 | | | | 119 | Ukraine | 2.5 | | | |
| 48 | Cambodia | 3.5 | | | | 120 | Kenya | 2.5 | | | |
| 49 | Cape Verde | 3.5 | | | | 121 | Moldova | 2.5 | | | |
| 50 | Libya | 3.4 | | | | 122 | Nigeria | 2.5 | | | |
| 51 | Georgia | 3.4 | | | | 123 | Czech Republic | 2.4 | | | |
| 52 | Costa Rica | 3.3 | | | | 124 | Chad | 2.4 | | | |
| 53 | Cyprus | 3.3 | | | | 125 | El Salvador | 2.4 | | | |
| 54 | Spain | 3.3 | | | | 126 | Burundi | 2.4 | | | |
| 55 | Poland | 3.3 | | | | 127 | Russian Federation | 2.4 | | | |
| 56 | Tanzania | 3.3 | | | | 128 | Romania | 2.4 | | | |
| 57 | Guinea | 3.3 | | | | 129 | Pakistan | 2.4 | | | |
| 58 | Bolivia | 3.2 | | | | 130 | Mongolia | 2.3 | | | |
| 59 | United States | 3.2 | | | | 131 | Paraguay | 2.3 | | | |
| 60 | Mauritius | 3.2 | | | | 132 | Serbia | 2.3 | | | |
| 61 | Lithuania | 3.1 | | | | 133 | Guyana | 2.3 | | | |
| 62 | Timor-Leste | 3.1 | | | | 134 | Algeria | 2.2 | | | |
| 63 | Latvia | 3.1 | | | | 135 | Bangladesh | 2.2 | | | |
| 64 | Puerto Rico | 3.1 | | | | 136 | Kyrgyz Republic | 2.2 | | | |
| 65 | Benin | 3.1 | | | | 137 | Haiti | 2.1 | | | |
| 66 | Turkey | 3.0 | | | | 138 | Slovak Republic | 2.1 | | | |
| 67 | Portugal | 3.0 | | | | 139 | Yemen | 2.1 | | | |
| 68 | Zambia | 3.0 | | | | 140 | Mauritania | 2.1 | | | |
| 69 | Gabon | 3.0 | | | | 141 | Lebanon | 2.0 | | | |
| 70 | Bosnia and Herzegovina | 3.0 | | | | 142 | Venezuela | 1.9 | | | |
| 71 | Ethiopia | 3.0 | | | | 143 | Argentina | 1.9 | | | |
| 72 | Nepal | 3.0 | | | | 144 | Dominican Republic | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.08 Wastefulness of government spending

How would you rate the composition of public spending in your country? [1 = extremely wasteful; 7 = highly efficient in providing necessary goods and services] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.0 | | | | 73 | Ireland | 3.2 | | | |
| 2 | United Arab Emirates | 5.7 | | | | 74 | Mali | 3.2 | | | |
| 3 | Qatar | 5.6 | | | | 75 | Nicaragua | 3.2 | | | |
| 4 | Rwanda | 5.5 | | | | 76 | United States | 3.2 | | | |
| 5 | Saudi Arabia | 5.5 | | | | 77 | France | 3.1 | | | |
| 6 | Oman | 5.4 | | | | 78 | Trinidad and Tobago | 3.1 | | | |
| 7 | Switzerland | 5.2 | | | | 79 | Ecuador | 3.1 | | | |
| 8 | Sweden | 4.9 | | | | 80 | Puerto Rico | 3.1 | | | |
| 9 | Finland | 4.8 | | | | 81 | Kenya | 3.1 | | | |
| 10 | Chile | 4.8 | | | | 82 | Tanzania | 3.1 | | | |
| 11 | Bahrain | 4.8 | | | | 83 | Nepal | 3.1 | | | |
| 12 | Gambia, The | 4.7 | | | | 84 | Suriname | 3.1 | | | |
| 13 | Netherlands | 4.7 | | | | 85 | Guyana | 3.0 | | | |
| 14 | New Zealand | 4.5 | | | | 86 | Philippines | 3.0 | | | |
| 15 | Brunei Darussalam | 4.5 | | | | 87 | Moldova | 3.0 | | | |
| 16 | Norway | 4.5 | | | | 88 | Latvia | 3.0 | | | |
| 17 | Hong Kong SAR | 4.5 | | | | 89 | Bulgaria | 3.0 | | | |
| 18 | Luxembourg | 4.4 | | | | 90 | Lithuania | 3.0 | | | |
| 19 | Malaysia | 4.4 | | | | 91 | Japan | 2.9 | | | |
| 20 | Canada | 4.4 | | | | 92 | Burkina Faso | 2.9 | | | |
| 21 | Botswana | 4.4 | | | | 93 | Poland | 2.9 | | | |
| 22 | Liberia | 4.3 | | | | 94 | Malawi | 2.9 | | | |
| 23 | Barbados | 4.2 | | | | 95 | Uruguay | 2.9 | | | |
| 24 | Iceland | 4.1 | | | | 96 | Pakistan | 2.9 | | | |
| 25 | Seychelles | 4.0 | | | | 97 | Côte d'Ivoire | 2.9 | | | |
| 26 | Sri Lanka | 4.0 | | | | 98 | Lesotho | 2.9 | | | |
| 27 | Taiwan, China | 4.0 | | | | 99 | Zimbabwe | 2.9 | | | |
| 28 | Germany | 4.0 | | | | 100 | Kuwait | 2.9 | | | |
| 29 | Montenegro | 3.9 | | | | 101 | Jamaica | 2.8 | | | |
| 30 | Ethiopia | 3.9 | | | | 102 | Mozambique | 2.8 | | | |
| 31 | Kazakhstan | 3.8 | | | | 103 | Russian Federation | 2.8 | | | |
| 32 | Indonesia | 3.8 | | | | 104 | Colombia | 2.8 | | | |
| 33 | Turkey | 3.8 | | | | 105 | Costa Rica | 2.7 | | | |
| 34 | United Kingdom | 3.8 | | | | 106 | Spain | 2.7 | | | |
| 35 | Denmark | 3.8 | | | | 107 | Korea, Rep. | 2.7 | | | |
| 36 | Cambodia | 3.8 | | | | 108 | Cameroon | 2.6 | | | |
| 37 | Panama | 3.7 | | | | 109 | Hungary | 2.6 | | | |
| 38 | Mauritius | 3.7 | | | | 110 | Vietnam | 2.6 | | | |
| 39 | China | 3.7 | | | | 111 | Nigeria | 2.6 | | | |
| 40 | Benin | 3.7 | | | | 112 | Slovak Republic | 2.6 | | | |
| 41 | Guinea | 3.7 | | | | 113 | Egypt | 2.5 | | | |
| 42 | Tajikistan | 3.7 | | | | 114 | Romania | 2.5 | | | |
| 43 | Austria | 3.7 | | | | 115 | Senegal | 2.5 | | | |
| 44 | Malta | 3.6 | | | | 116 | Algeria | 2.4 | | | |
| 45 | Armenia | 3.6 | | | | 117 | Mauritania | 2.4 | | | |
| 46 | Belgium | 3.6 | | | | 118 | Slovenia | 2.4 | | | |
| 47 | Estonia | 3.6 | | | | 119 | Czech Republic | 2.4 | | | |
| 48 | Australia | 3.6 | | | | 120 | Uganda | 2.4 | | | |
| 49 | Peru | 3.5 | | | | 121 | Guatemala | 2.4 | | | |
| 50 | Jordan | 3.5 | | | | 122 | Kyrgyz Republic | 2.3 | | | |
| 51 | Cyprus | 3.5 | | | | 123 | Croatia | 2.3 | | | |
| 52 | Georgia | 3.5 | | | | 124 | Paraguay | 2.3 | | | |
| 53 | Iran, Islamic Rep. | 3.5 | | | | 125 | Honduras | 2.3 | | | |
| 54 | Cape Verde | 3.5 | | | | 126 | Italy | 2.3 | | | |
| 55 | Namibia | 3.4 | | | | 127 | Lebanon | 2.3 | | | |
| 56 | Israel | 3.4 | | | | 128 | Ukraine | 2.2 | | | |
| 57 | Zambia | 3.4 | | | | 129 | Swaziland | 2.2 | | | |
| 58 | Azerbaijan | 3.4 | | | | 130 | El Salvador | 2.2 | | | |
| 59 | Timor-Leste | 3.4 | | | | 131 | Madagascar | 2.2 | | | |
| 60 | Morocco | 3.4 | | | | 132 | Serbia | 2.2 | | | |
| 61 | Macedonia, FYR | 3.4 | | | | 133 | Portugal | 2.2 | | | |
| 62 | South Africa | 3.4 | | | | 134 | Chad | 2.1 | | | |
| 63 | India | 3.4 | | | | 135 | Brazil | 2.1 | | | |
| 64 | Gabon | 3.3 | | | | 136 | Argentina | 2.0 | | | |
| 65 | Sierra Leone | 3.3 | | | | 137 | Greece | 2.0 | | | |
| 66 | Albania | 3.3 | | | | 138 | Mongolia | 2.0 | | | |
| 67 | Mexico | 3.3 | | | | 139 | Bosnia and Herzegovina | 2.0 | | | |
| 68 | Bolivia | 3.3 | | | | 140 | Haiti | 2.0 | | | |
| 69 | Ghana | 3.3 | | | | 141 | Burundi | 2.0 | | | |
| 70 | Thailand | 3.2 | | | | 142 | Yemen | 1.9 | | | |
| 71 | Bangladesh | 3.2 | | | | 143 | Venezuela | 1.9 | | | |
| 72 | Libya | 3.2 | | | | 144 | Dominican Republic | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.09 Burden of government regulation

How burdensome is it for businesses in your country to comply with governmental administrative requirements (e.g., permits, regulations, reporting)? [1 = extremely burdensome; 7 = not burdensome at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.4 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.4 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 5.6 | | | | 73 | Cameroon | 3.4 | | | |
| 2 | Rwanda | 5.3 | | | | 74 | Kenya | 3.4 | | | |
| 3 | Qatar | 5.1 | | | | 75 | Thailand | 3.4 | | | |
| 4 | Hong Kong SAR | 5.0 | | | | 76 | United States | 3.3 | | | |
| 5 | United Arab Emirates | 4.8 | | | | 77 | Trinidad and Tobago | 3.3 | | | |
| 6 | Finland | 4.8 | | | | 78 | El Salvador | 3.3 | | | |
| 7 | Bahrain | 4.8 | | | | 79 | Malawi | 3.3 | | | |
| 8 | Malaysia | 4.6 | | | | 80 | Turkey | 3.3 | | | |
| 9 | Georgia | 4.6 | | | | 81 | Nicaragua | 3.3 | | | |
| 10 | Taiwan, China | 4.5 | | | | 82 | Austria | 3.3 | | | |
| 11 | Oman | 4.5 | | | | 83 | Dominican Republic | 3.2 | | | |
| 12 | Gambia, The | 4.4 | | | | 84 | Bosnia and Herzegovina | 3.2 | | | |
| 13 | Barbados | 4.4 | | | | 85 | Bangladesh | 3.2 | | | |
| 14 | New Zealand | 4.3 | | | | 86 | Nepal | 3.2 | | | |
| 15 | Liberia | 4.3 | | | | 87 | Japan | 3.2 | | | |
| 16 | Switzerland | 4.3 | | | | 88 | Costa Rica | 3.2 | | | |
| 17 | Estonia | 4.3 | | | | 89 | Uruguay | 3.1 | | | |
| 18 | Seychelles | 4.2 | | | | 90 | Israel | 3.1 | | | |
| 19 | Gabon | 4.2 | | | | 91 | Senegal | 3.1 | | | |
| 20 | Iceland | 4.2 | | | | 92 | Kyrgyz Republic | 3.1 | | | |
| 21 | Zambia | 4.2 | | | | 93 | Honduras | 3.1 | | | |
| 22 | Tajikistan | 4.2 | | | | 94 | Suriname | 3.1 | | | |
| 23 | China | 4.2 | | | | 95 | Chad | 3.1 | | | |
| 24 | Mauritania | 4.1 | | | | 96 | Australia | 3.1 | | | |
| 25 | Brunei Darussalam | 4.1 | | | | 97 | Mexico | 3.0 | | | |
| 26 | Albania | 4.1 | | | | 98 | India | 3.0 | | | |
| 27 | Cyprus | 4.1 | | | | 99 | Swaziland | 3.0 | | | |
| 28 | Saudi Arabia | 4.1 | | | | 100 | Lesotho | 3.0 | | | |
| 29 | Azerbaijan | 4.1 | | | | 101 | Ecuador | 3.0 | | | |
| 30 | Guinea | 4.0 | | | | 102 | Mongolia | 3.0 | | | |
| 31 | Sweden | 4.0 | | | | 103 | Lebanon | 3.0 | | | |
| 32 | Chile | 3.9 | | | | 104 | Malta | 3.0 | | | |
| 33 | Montenegro | 3.9 | | | | 105 | Moldova | 3.0 | | | |
| 34 | Netherlands | 3.9 | | | | 106 | Benin | 3.0 | | | |
| 35 | Sierra Leone | 3.9 | | | | 107 | Zimbabwe | 3.0 | | | |
| 36 | Nigeria | 3.9 | | | | 108 | Philippines | 3.0 | | | |
| 37 | Luxembourg | 3.8 | | | | 109 | Bulgaria | 3.0 | | | |
| 38 | Cape Verde | 3.8 | | | | 110 | Colombia | 3.0 | | | |
| 39 | Paraguay | 3.8 | | | | 111 | Lithuania | 2.9 | | | |
| 40 | Uganda | 3.8 | | | | 112 | Vietnam | 2.9 | | | |
| 41 | Armenia | 3.8 | | | | 113 | Egypt | 2.9 | | | |
| 42 | Cambodia | 3.8 | | | | 114 | Korea, Rep. | 2.9 | | | |
| 43 | Botswana | 3.8 | | | | 115 | Haiti | 2.9 | | | |
| 44 | Panama | 3.8 | | | | 116 | Iran, Islamic Rep. | 2.9 | | | |
| 45 | Sri Lanka | 3.8 | | | | 117 | Madagascar | 2.9 | | | |
| 46 | Ireland | 3.8 | | | | 118 | Romania | 2.8 | | | |
| 47 | Guyana | 3.7 | | | | 119 | Yemen | 2.8 | | | |
| 48 | Indonesia | 3.7 | | | | 120 | Spain | 2.8 | | | |
| 49 | Burkina Faso | 3.7 | | | | 121 | Burundi | 2.8 | | | |
| 50 | Mauritius | 3.7 | | | | 122 | Puerto Rico | 2.8 | | | |
| 51 | Jordan | 3.6 | | | | 123 | South Africa | 2.7 | | | |
| 52 | Kazakhstan | 3.6 | | | | 124 | Slovenia | 2.7 | | | |
| 53 | Guatemala | 3.6 | | | | 125 | Czech Republic | 2.7 | | | |
| 54 | Macedonia, FYR | 3.5 | | | | 126 | France | 2.7 | | | |
| 55 | Côte d'Ivoire | 3.5 | | | | 127 | Jamaica | 2.7 | | | |
| 56 | Mali | 3.5 | | | | 128 | Peru | 2.7 | | | |
| 57 | Timor-Leste | 3.5 | | | | 129 | Portugal | 2.6 | | | |
| 58 | Tanzania | 3.5 | | | | 130 | Russian Federation | 2.6 | | | |
| 59 | Bolivia | 3.5 | | | | 131 | Poland | 2.6 | | | |
| 60 | Canada | 3.5 | | | | 132 | Slovak Republic | 2.6 | | | |
| 61 | Libya | 3.4 | | | | 133 | Belgium | 2.6 | | | |
| 62 | Pakistan | 3.4 | | | | 134 | Argentina | 2.5 | | | |
| 63 | Morocco | 3.4 | | | | 135 | Ukraine | 2.4 | | | |
| 64 | Norway | 3.4 | | | | 136 | Serbia | 2.4 | | | |
| 65 | Ethiopia | 3.4 | | | | 137 | Kuwait | 2.4 | | | |
| 66 | Ghana | 3.4 | | | | 138 | Hungary | 2.3 | | | |
| 67 | Latvia | 3.4 | | | | 139 | Croatia | 2.3 | | | |
| 68 | Namibia | 3.4 | | | | 140 | Algeria | 2.3 | | | |
| 69 | Denmark | 3.4 | | | | 141 | Greece | 2.2 | | | |
| 70 | Mozambique | 3.4 | | | | 142 | Italy | 2.1 | | | |
| 71 | Germany | 3.4 | | | | 143 | Venezuela | 2.1 | | | |
| 72 | United Kingdom | 3.4 | | | | 144 | Brazil | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.10 Efficiency of legal framework in settling disputes

How efficient is the legal framework in your country for private businesses in settling disputes? [1 = extremely inefficient; 7 = highly efficient] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.2 | | | | 73 | Costa Rica | 3.6 | | | |
| 2 | Finland | 6.0 | | | | 74 | Vietnam | 3.6 | | | |
| 3 | New Zealand | 5.9 | | | | 75 | Armenia | 3.6 | | | |
| 4 | Switzerland | 5.7 | | | | 76 | Azerbaijan | 3.6 | | | |
| 5 | Sweden | 5.6 | | | | 77 | Iran, Islamic Rep. | 3.6 | | | |
| 6 | Hong Kong SAR | 5.6 | | | | 78 | Burkina Faso | 3.6 | | | |
| 7 | Norway | 5.6 | | | | 79 | Jamaica | 3.6 | | | |
| 8 | Netherlands | 5.6 | | | | 80 | Korea, Rep. | 3.6 | | | |
| 9 | Canada | 5.4 | | | | 81 | Swaziland | 3.5 | | | |
| 10 | Qatar | 5.4 | | | | 82 | Zimbabwe | 3.5 | | | |
| 11 | United Kingdom | 5.4 | | | | 83 | Trinidad and Tobago | 3.5 | | | |
| 12 | Luxembourg | 5.2 | | | | 84 | Brazil | 3.5 | | | |
| 13 | Denmark | 5.1 | | | | 85 | Mali | 3.5 | | | |
| 14 | Malaysia | 5.1 | | | | 86 | Egypt | 3.4 | | | |
| 15 | Rwanda | 5.1 | | | | 87 | Guyana | 3.4 | | | |
| 16 | Botswana | 5.0 | | | | 88 | Cameroon | 3.4 | | | |
| 17 | South Africa | 5.0 | | | | 89 | Georgia | 3.4 | | | |
| 18 | Australia | 5.0 | | | | 90 | Lithuania | 3.3 | | | |
| 19 | Oman | 5.0 | | | | 91 | Benin | 3.3 | | | |
| 20 | Germany | 4.9 | | | | 92 | Mauritania | 3.3 | | | |
| 21 | Gambia, The | 4.9 | | | | 93 | Mozambique | 3.3 | | | |
| 22 | United Arab Emirates | 4.8 | | | | 94 | Mongolia | 3.3 | | | |
| 23 | Chile | 4.8 | | | | 95 | Dominican Republic | 3.3 | | | |
| 24 | Puerto Rico | 4.8 | | | | 96 | Timor-Leste | 3.3 | | | |
| 25 | Austria | 4.8 | | | | 97 | Colombia | 3.3 | | | |
| 26 | Mauritius | 4.7 | | | | 98 | Albania | 3.3 | | | |
| 27 | Iceland | 4.7 | | | | 99 | Lesotho | 3.3 | | | |
| 28 | Barbados | 4.7 | | | | 100 | Mexico | 3.3 | | | |
| 29 | Ireland | 4.6 | | | | 101 | Bangladesh | 3.3 | | | |
| 30 | Bahrain | 4.6 | | | | 102 | Honduras | 3.2 | | | |
| 31 | Saudi Arabia | 4.6 | | | | 103 | Libya | 3.2 | | | |
| 32 | Cyprus | 4.6 | | | | 104 | Bolivia | 3.2 | | | |
| 33 | Sri Lanka | 4.5 | | | | 105 | Bosnia and Herzegovina | 3.2 | | | |
| 34 | Brunei Darussalam | 4.5 | | | | 106 | Latvia | 3.2 | | | |
| 35 | United States | 4.5 | | | | 107 | Philippines | 3.2 | | | |
| 36 | Japan | 4.5 | | | | 108 | Macedonia, FYR | 3.2 | | | |
| 37 | France | 4.4 | | | | 109 | Pakistan | 3.1 | | | |
| 38 | Namibia | 4.4 | | | | 110 | Guatemala | 3.1 | | | |
| 39 | Zambia | 4.4 | | | | 111 | Poland | 3.1 | | | |
| 40 | Taiwan, China | 4.3 | | | | 112 | Nicaragua | 3.1 | | | |
| 41 | Estonia | 4.3 | | | | 113 | Nepal | 3.1 | | | |
| 42 | Liberia | 4.2 | | | | 114 | Lebanon | 3.1 | | | |
| 43 | Jordan | 4.2 | | | | 115 | Czech Republic | 3.0 | | | |
| 44 | China | 4.2 | | | | 116 | Suriname | 3.0 | | | |
| 45 | Belgium | 4.2 | | | | 117 | Hungary | 3.0 | | | |
| 46 | Israel | 4.1 | | | | 118 | Peru | 3.0 | | | |
| 47 | Panama | 4.1 | | | | 119 | Côte d'Ivoire | 2.9 | | | |
| 48 | Nigeria | 4.1 | | | | 120 | Moldova | 2.9 | | | |
| 49 | Uganda | 4.1 | | | | 121 | Portugal | 2.9 | | | |
| 50 | Ghana | 4.0 | | | | 122 | Bulgaria | 2.8 | | | |
| 51 | Montenegro | 4.0 | | | | 123 | El Salvador | 2.8 | | | |
| 52 | Malawi | 4.0 | | | | 124 | Russian Federation | 2.8 | | | |
| 53 | Tajikistan | 4.0 | | | | 125 | Madagascar | 2.7 | | | |
| 54 | Morocco | 4.0 | | | | 126 | Slovenia | 2.7 | | | |
| 55 | Seychelles | 4.0 | | | | 127 | Paraguay | 2.7 | | | |
| 56 | Cambodia | 4.0 | | | | 128 | Guinea | 2.7 | | | |
| 57 | Kuwait | 4.0 | | | | 129 | Argentina | 2.7 | | | |
| 58 | Malta | 3.9 | | | | 130 | Ecuador | 2.7 | | | |
| 59 | India | 3.8 | | | | 131 | Chad | 2.7 | | | |
| 60 | Gabon | 3.8 | | | | 132 | Algeria | 2.6 | | | |
| 61 | Turkey | 3.8 | | | | 133 | Romania | 2.6 | | | |
| 62 | Ethiopia | 3.8 | | | | 134 | Burundi | 2.6 | | | |
| 63 | Uruguay | 3.8 | | | | 135 | Greece | 2.5 | | | |
| 64 | Sierra Leone | 3.8 | | | | 136 | Kyrgyz Republic | 2.5 | | | |
| 65 | Thailand | 3.8 | | | | 137 | Croatia | 2.5 | | | |
| 66 | Indonesia | 3.8 | | | | 138 | Serbia | 2.5 | | | |
| 67 | Kazakhstan | 3.8 | | | | 139 | Italy | 2.5 | | | |
| 68 | Tanzania | 3.7 | | | | 140 | Slovak Republic | 2.4 | | | |
| 69 | Spain | 3.7 | | | | 141 | Ukraine | 2.4 | | | |
| 70 | Cape Verde | 3.7 | | | | 142 | Yemen | 2.1 | | | |
| 71 | Senegal | 3.7 | | | | 143 | Haiti | 2.1 | | | |
| 72 | Kenya | 3.7 | | | | 144 | Venezuela | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.11 Efficiency of legal framework in challenging regulations

How efficient is the legal framework in your country for private businesses in challenging the legality of government actions and/or regulations? [1 = extremely inefficient; 7 = highly efficient] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Finland | 5.9 | | | | 73 | Thailand | 3.6 | | | |
| 2 | Switzerland | 5.6 | | | | 74 | Vietnam | 3.6 | | | |
| 3 | Netherlands | 5.6 | | | | 75 | Kazakhstan | 3.5 | | | |
| 4 | New Zealand | 5.5 | | | | 76 | Honduras | 3.5 | | | |
| 5 | Sweden | 5.5 | | | | 77 | Ethiopia | 3.5 | | | |
| 6 | Singapore | 5.5 | | | | 78 | Ghana | 3.5 | | | |
| 7 | Hong Kong SAR | 5.4 | | | | 79 | Armenia | 3.5 | | | |
| 8 | Luxembourg | 5.3 | | | | 80 | Panama | 3.5 | | | |
| 9 | Norway | 5.3 | | | | 81 | Burkina Faso | 3.5 | | | |
| 10 | Malaysia | 5.1 | | | | 82 | Mali | 3.5 | | | |
| 11 | United Kingdom | 5.1 | | | | 83 | Timor-Leste | 3.4 | | | |
| 12 | Canada | 5.1 | | | | 84 | Senegal | 3.4 | | | |
| 13 | Germany | 5.0 | | | | 85 | Mexico | 3.4 | | | |
| 14 | Qatar | 4.9 | | | | 86 | Nepal | 3.4 | | | |
| 15 | Botswana | 4.9 | | | | 87 | Bosnia and Herzegovina | 3.3 | | | |
| 16 | South Africa | 4.8 | | | | 88 | Libya | 3.3 | | | |
| 17 | Rwanda | 4.8 | | | | 89 | Colombia | 3.3 | | | |
| 18 | Cyprus | 4.7 | | | | 90 | Jamaica | 3.3 | | | |
| 19 | Australia | 4.7 | | | | 91 | Cameroon | 3.3 | | | |
| 20 | Denmark | 4.6 | | | | 92 | Latvia | 3.3 | | | |
| 21 | Chile | 4.6 | | | | 93 | Albania | 3.3 | | | |
| 22 | Austria | 4.6 | | | | 94 | Trinidad and Tobago | 3.3 | | | |
| 23 | Puerto Rico | 4.6 | | | | 95 | Guyana | 3.2 | | | |
| 24 | Saudi Arabia | 4.6 | | | | 96 | Korea, Rep. | 3.2 | | | |
| 25 | United Arab Emirates | 4.5 | | | | 97 | Pakistan | 3.2 | | | |
| 26 | Gambia, The | 4.5 | | | | 98 | Guatemala | 3.2 | | | |
| 27 | France | 4.5 | | | | 99 | Bolivia | 3.2 | | | |
| 28 | Bahrain | 4.5 | | | | 100 | Egypt | 3.2 | | | |
| 29 | Iceland | 4.5 | | | | 101 | Portugal | 3.2 | | | |
| 30 | Mauritius | 4.5 | | | | 102 | Philippines | 3.2 | | | |
| 31 | Ireland | 4.5 | | | | 103 | Poland | 3.2 | | | |
| 32 | Barbados | 4.5 | | | | 104 | Iran, Islamic Rep. | 3.1 | | | |
| 33 | Oman | 4.5 | | | | 105 | Peru | 3.1 | | | |
| 34 | Sri Lanka | 4.4 | | | | 106 | Georgia | 3.1 | | | |
| 35 | Seychelles | 4.2 | | | | 107 | Macedonia, FYR | 3.1 | | | |
| 36 | Taiwan, China | 4.2 | | | | 108 | Swaziland | 3.0 | | | |
| 37 | United States | 4.2 | | | | 109 | Mozambique | 3.0 | | | |
| 38 | Liberia | 4.2 | | | | 110 | Sierra Leone | 3.0 | | | |
| 39 | Estonia | 4.2 | | | | 111 | Lesotho | 3.0 | | | |
| 40 | Cambodia | 4.2 | | | | 112 | Moldova | 3.0 | | | |
| 41 | Belgium | 4.2 | | | | 113 | Mongolia | 3.0 | | | |
| 42 | Namibia | 4.1 | | | | 114 | Bulgaria | 2.9 | | | |
| 43 | Tajikistan | 4.1 | | | | 115 | Suriname | 2.9 | | | |
| 44 | Jordan | 4.0 | | | | 116 | Slovenia | 2.9 | | | |
| 45 | Lithuania | 4.0 | | | | 117 | El Salvador | 2.9 | | | |
| 46 | Uruguay | 4.0 | | | | 118 | Czech Republic | 2.9 | | | |
| 47 | Costa Rica | 4.0 | | | | 119 | Dominican Republic | 2.9 | | | |
| 48 | Japan | 4.0 | | | | 120 | Côte d'Ivoire | 2.8 | | | |
| 49 | Brunei Darussalam | 4.0 | | | | 121 | Chad | 2.8 | | | |
| 50 | Gabon | 4.0 | | | | 122 | Guinea | 2.8 | | | |
| 51 | Malawi | 3.9 | | | | 123 | Madagascar | 2.8 | | | |
| 52 | India | 3.9 | | | | 124 | Paraguay | 2.7 | | | |
| 53 | China | 3.9 | | | | 125 | Nicaragua | 2.7 | | | |
| 54 | Montenegro | 3.9 | | | | 126 | Lebanon | 2.7 | | | |
| 55 | Zambia | 3.9 | | | | 127 | Russian Federation | 2.7 | | | |
| 56 | Turkey | 3.9 | | | | 128 | Romania | 2.7 | | | |
| 57 | Israel | 3.9 | | | | 129 | Croatia | 2.7 | | | |
| 58 | Azerbaijan | 3.9 | | | | 130 | Yemen | 2.6 | | | |
| 59 | Uganda | 3.9 | | | | 131 | Italy | 2.6 | | | |
| 60 | Morocco | 3.8 | | | | 132 | Greece | 2.6 | | | |
| 61 | Brazil | 3.8 | | | | 133 | Serbia | 2.6 | | | |
| 62 | Spain | 3.8 | | | | 134 | Zimbabwe | 2.6 | | | |
| 63 | Indonesia | 3.8 | | | | 135 | Hungary | 2.5 | | | |
| 64 | Cape Verde | 3.7 | | | | 136 | Kyrgyz Republic | 2.5 | | | |
| 65 | Nigeria | 3.7 | | | | 137 | Algeria | 2.5 | | | |
| 66 | Benin | 3.7 | | | | 138 | Ecuador | 2.5 | | | |
| 67 | Kuwait | 3.7 | | | | 139 | Ukraine | 2.4 | | | |
| 68 | Malta | 3.7 | | | | 140 | Slovak Republic | 2.4 | | | |
| 69 | Kenya | 3.6 | | | | 141 | Burundi | 2.4 | | | |
| 70 | Tanzania | 3.6 | | | | 142 | Argentina | 2.1 | | | |
| 71 | Bangladesh | 3.6 | | | | 143 | Haiti | 2.1 | | | |
| 72 | Mauritania | 3.6 | | | | 144 | Venezuela | 1.7 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.12 Transparency of government policymaking

How easy is it for businesses in your country to obtain information about changes in government policies and regulations affecting their activities? [1 = impossible; 7 = extremely easy] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.2 | | | | 73 | Cameroon | 4.2 | | | |
| 2 | Finland | 6.1 | | | | 74 | Latvia | 4.2 | | | |
| 3 | New Zealand | 6.0 | | | | 75 | Brunei Darussalam | 4.2 | | | |
| 4 | Hong Kong SAR | 5.9 | | | | 76 | Macedonia, FYR | 4.2 | | | |
| 5 | Switzerland | 5.9 | | | | 77 | Spain | 4.2 | | | |
| 6 | Taiwan, China | 5.6 | | | | 78 | Slovak Republic | 4.2 | | | |
| 7 | Rwanda | 5.5 | | | | 79 | Honduras | 4.2 | | | |
| 8 | Sweden | 5.5 | | | | 80 | Guyana | 4.2 | | | |
| 9 | Qatar | 5.5 | | | | 81 | Puerto Rico | 4.2 | | | |
| 10 | Luxembourg | 5.5 | | | | 82 | Indonesia | 4.2 | | | |
| 11 | Canada | 5.4 | | | | 83 | Colombia | 4.1 | | | |
| 12 | Bahrain | 5.4 | | | | 84 | Senegal | 4.1 | | | |
| 13 | United Kingdom | 5.3 | | | | 85 | Namibia | 4.1 | | | |
| 14 | Netherlands | 5.3 | | | | 86 | Paraguay | 4.1 | | | |
| 15 | Chile | 5.3 | | | | 87 | Kyrgyz Republic | 4.1 | | | |
| 16 | Armenia | 5.2 | | | | 88 | Peru | 4.1 | | | |
| 17 | Malaysia | 5.2 | | | | 89 | Thailand | 4.0 | | | |
| 18 | Barbados | 5.2 | | | | 90 | Ghana | 4.0 | | | |
| 19 | Estonia | 5.1 | | | | 91 | Brazil | 4.0 | | | |
| 20 | Austria | 5.1 | | | | 92 | Libya | 4.0 | | | |
| 21 | United Arab Emirates | 5.1 | | | | 93 | Tanzania | 4.0 | | | |
| 22 | Japan | 5.1 | | | | 94 | Croatia | 4.0 | | | |
| 23 | Norway | 5.1 | | | | 95 | Cambodia | 4.0 | | | |
| 24 | Iceland | 5.0 | | | | 96 | Ecuador | 4.0 | | | |
| 25 | Oman | 5.0 | | | | 97 | Philippines | 4.0 | | | |
| 26 | Uruguay | 5.0 | | | | 98 | Czech Republic | 4.0 | | | |
| 27 | Germany | 5.0 | | | | 99 | Trinidad and Tobago | 3.9 | | | |
| 28 | Ireland | 5.0 | | | | 100 | Vietnam | 3.9 | | | |
| 29 | Australia | 4.9 | | | | 101 | Bangladesh | 3.9 | | | |
| 30 | Montenegro | 4.9 | | | | 102 | Mongolia | 3.9 | | | |
| 31 | Cyprus | 4.9 | | | | 103 | Malawi | 3.9 | | | |
| 32 | Kazakhstan | 4.9 | | | | 104 | Poland | 3.8 | | | |
| 33 | Panama | 4.8 | | | | 105 | Kenya | 3.8 | | | |
| 34 | Saudi Arabia | 4.8 | | | | 106 | Côte d'Ivoire | 3.8 | | | |
| 35 | South Africa | 4.8 | | | | 107 | Lebanon | 3.8 | | | |
| 36 | Georgia | 4.8 | | | | 108 | Benin | 3.8 | | | |
| 37 | Seychelles | 4.8 | | | | 109 | Pakistan | 3.8 | | | |
| 38 | Slovenia | 4.7 | | | | 110 | Kuwait | 3.8 | | | |
| 39 | Gabon | 4.7 | | | | 111 | Serbia | 3.8 | | | |
| 40 | Turkey | 4.7 | | | | 112 | Bosnia and Herzegovina | 3.8 | | | |
| 41 | Guatemala | 4.7 | | | | 113 | Egypt | 3.8 | | | |
| 42 | Mauritius | 4.7 | | | | 114 | Sierra Leone | 3.8 | | | |
| 43 | Botswana | 4.7 | | | | 115 | Hungary | 3.8 | | | |
| 44 | Gambia, The | 4.7 | | | | 116 | Nepal | 3.8 | | | |
| 45 | Denmark | 4.7 | | | | 117 | Mali | 3.7 | | | |
| 46 | Zambia | 4.6 | | | | 118 | Jamaica | 3.7 | | | |
| 47 | France | 4.6 | | | | 119 | Timor-Leste | 3.7 | | | |
| 48 | Lithuania | 4.6 | | | | 120 | Nicaragua | 3.7 | | | |
| 49 | Azerbaijan | 4.5 | | | | 121 | Suriname | 3.7 | | | |
| 50 | Liberia | 4.5 | | | | 122 | Greece | 3.7 | | | |
| 51 | China | 4.5 | | | | 123 | Ukraine | 3.6 | | | |
| 52 | Costa Rica | 4.5 | | | | 124 | Russian Federation | 3.6 | | | |
| 53 | Morocco | 4.4 | | | | 125 | El Salvador | 3.6 | | | |
| 54 | Israel | 4.4 | | | | 126 | Guinea | 3.6 | | | |
| 55 | Jordan | 4.4 | | | | 127 | Iran, Islamic Rep. | 3.6 | | | |
| 56 | United States | 4.4 | | | | 128 | Bulgaria | 3.6 | | | |
| 57 | Malta | 4.4 | | | | 129 | Ethiopia | 3.5 | | | |
| 58 | Cape Verde | 4.4 | | | | 130 | Bolivia | 3.5 | | | |
| 59 | Uganda | 4.4 | | | | 131 | Mauritania | 3.5 | | | |
| 60 | Burkina Faso | 4.4 | | | | 132 | Swaziland | 3.5 | | | |
| 61 | Moldova | 4.4 | | | | 133 | Korea, Rep. | 3.3 | | | |
| 62 | Belgium | 4.4 | | | | 134 | Burundi | 3.3 | | | |
| 63 | Nigeria | 4.4 | | | | 135 | Lesotho | 3.3 | | | |
| 64 | Mexico | 4.4 | | | | 136 | Romania | 3.3 | | | |
| 65 | India | 4.3 | | | | 137 | Argentina | 3.2 | | | |
| 66 | Sri Lanka | 4.3 | | | | 138 | Chad | 3.1 | | | |
| 67 | Albania | 4.3 | | | | 139 | Italy | 3.1 | | | |
| 68 | Tajikistan | 4.3 | | | | 140 | Yemen | 3.1 | | | |
| 69 | Dominican Republic | 4.3 | | | | 141 | Madagascar | 3.0 | | | |
| 70 | Mozambique | 4.3 | | | | 142 | Venezuela | 3.0 | | | |
| 71 | Portugal | 4.3 | | | | 143 | Haiti | 2.6 | | | |
| 72 | Zimbabwe | 4.3 | | | | 144 | Algeria | 2.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.13 Government provision of services for improved business performance

To what extent does the government in your country continuously improve its provision of services to help businesses in your country boost their economic performance? [1 = not at all; 7 = extensively] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Qatar | 6.0 | | | | 73 | Costa Rica | 3.6 | | | |
| 2 | Singapore | 5.9 | | | | 74 | Austria | 3.6 | | | |
| 3 | United Arab Emirates | 5.7 | | | | 75 | India | 3.6 | | | |
| 4 | Malaysia | 5.3 | | | | 76 | Guyana | 3.6 | | | |
| 5 | Saudi Arabia | 5.2 | | | | 77 | Ghana | 3.6 | | | |
| 6 | Taiwan, China | 5.1 | | | | 78 | Nicaragua | 3.6 | | | |
| 7 | Oman | 5.0 | | | | 79 | Brazil | 3.6 | | | |
| 8 | Finland | 4.8 | | | | 80 | Egypt | 3.5 | | | |
| 9 | Gambia, The | 4.8 | | | | 81 | Peru | 3.4 | | | |
| 10 | Hong Kong SAR | 4.7 | | | | 82 | Cyprus | 3.4 | | | |
| 11 | Panama | 4.7 | | | | 83 | Iceland | 3.4 | | | |
| 12 | Bahrain | 4.6 | | | | 84 | Mauritania | 3.4 | | | |
| 13 | Kazakhstan | 4.6 | | | | 85 | Spain | 3.4 | | | |
| 14 | Brunei Darussalam | 4.5 | | | | 86 | Senegal | 3.4 | | | |
| 15 | Switzerland | 4.5 | | | | 87 | Denmark | 3.4 | | | |
| 16 | Luxembourg | 4.5 | | | | 88 | Namibia | 3.4 | | | |
| 17 | Azerbaijan | 4.5 | | | | 89 | Bolivia | 3.4 | | | |
| 18 | Cambodia | 4.5 | | | | 90 | Guinea | 3.4 | | | |
| 19 | Turkey | 4.5 | | | | 91 | Iran, Islamic Rep. | 3.3 | | | |
| 20 | Chile | 4.5 | | | | 92 | Sierra Leone | 3.3 | | | |
| 21 | Indonesia | 4.5 | | | | 93 | Trinidad and Tobago | 3.3 | | | |
| 22 | Germany | 4.5 | | | | 94 | Latvia | 3.3 | | | |
| 23 | Tajikistan | 4.4 | | | | 95 | Guatemala | 3.3 | | | |
| 24 | Seychelles | 4.4 | | | | 96 | Nigeria | 3.2 | | | |
| 25 | Netherlands | 4.4 | | | | 97 | Bulgaria | 3.2 | | | |
| 26 | Montenegro | 4.3 | | | | 98 | Gabon | 3.2 | | | |
| 27 | Sweden | 4.3 | | | | 99 | Dominican Republic | 3.2 | | | |
| 28 | Puerto Rico | 4.3 | | | | 100 | Czech Republic | 3.2 | | | |
| 29 | Jordan | 4.3 | | | | 101 | Jamaica | 3.1 | | | |
| 30 | New Zealand | 4.3 | | | | 102 | Slovenia | 3.1 | | | |
| 31 | Armenia | 4.3 | | | | 103 | Malawi | 3.1 | | | |
| 32 | China | 4.3 | | | | 104 | Mongolia | 3.1 | | | |
| 33 | United States | 4.2 | | | | 105 | Poland | 3.1 | | | |
| 34 | Belgium | 4.2 | | | | 106 | South Africa | 3.1 | | | |
| 35 | Mauritius | 4.2 | | | | 107 | Uruguay | 3.1 | | | |
| 36 | Estonia | 4.2 | | | | 108 | Pakistan | 3.0 | | | |
| 37 | Israel | 4.2 | | | | 109 | Ukraine | 3.0 | | | |
| 38 | Norway | 4.2 | | | | 110 | Russian Federation | 3.0 | | | |
| 39 | Malta | 4.1 | | | | 111 | Lesotho | 3.0 | | | |
| 40 | Canada | 4.1 | | | | 112 | Hungary | 3.0 | | | |
| 41 | Zambia | 4.1 | | | | 113 | Moldova | 3.0 | | | |
| 42 | United Kingdom | 4.1 | | | | 114 | Madagascar | 3.0 | | | |
| 43 | Côte d'Ivoire | 4.1 | | | | 115 | Nepal | 3.0 | | | |
| 44 | Ireland | 4.1 | | | | 116 | Libya | 3.0 | | | |
| 45 | Barbados | 4.1 | | | | 117 | El Salvador | 2.9 | | | |
| 46 | Korea, Rep. | 4.0 | | | | 118 | Croatia | 2.9 | | | |
| 47 | Morocco | 4.0 | | | | 119 | Chad | 2.9 | | | |
| 48 | Ethiopia | 4.0 | | | | 120 | Bangladesh | 2.9 | | | |
| 49 | Cameroon | 4.0 | | | | 121 | Swaziland | 2.9 | | | |
| 50 | Botswana | 4.0 | | | | 122 | Kyrgyz Republic | 2.9 | | | |
| 51 | Philippines | 3.9 | | | | 123 | Italy | 2.9 | | | |
| 52 | Benin | 3.9 | | | | 124 | Algeria | 2.8 | | | |
| 53 | Cape Verde | 3.9 | | | | 125 | Suriname | 2.8 | | | |
| 54 | Timor-Leste | 3.9 | | | | 126 | Serbia | 2.8 | | | |
| 55 | Macedonia, FYR | 3.9 | | | | 127 | Kuwait | 2.8 | | | |
| 56 | Australia | 3.9 | | | | 128 | Honduras | 2.7 | | | |
| 57 | Mexico | 3.8 | | | | 129 | Romania | 2.7 | | | |
| 58 | Thailand | 3.8 | | | | 130 | Slovak Republic | 2.6 | | | |
| 59 | Liberia | 3.8 | | | | 131 | Zimbabwe | 2.6 | | | |
| 60 | Bosnia and Herzegovina | 3.8 | | | | 132 | Yemen | 2.5 | | | |
| 61 | Kenya | 3.8 | | | | 133 | Paraguay | 2.4 | | | |
| 62 | Vietnam | 3.8 | | | | 134 | Greece | 2.3 | | | |
| 63 | Uganda | 3.8 | | | | 135 | Argentina | 2.1 | | | |
| 64 | Burkina Faso | 3.8 | | | | 136 | Burundi | 2.1 | | | |
| 65 | Mali | 3.8 | | | | 137 | Lebanon | 2.1 | | | |
| 66 | Lithuania | 3.7 | | | | 138 | Haiti | 1.8 | | | |
| 67 | Mozambique | 3.7 | | | | 139 | Venezuela | 1.7 | | | |
| 68 | Portugal | 3.7 | | | | n/a | Albania | n/a | | | |
| 69 | Colombia | 3.7 | | | | n/a | Ecuador | n/a | | | |
| 70 | France | 3.6 | | | | n/a | Georgia | n/a | | | |
| 71 | Japan | 3.6 | | | | n/a | Rwanda | n/a | | | |
| 72 | Tanzania | 3.6 | | | | n/a | Sri Lanka | n/a | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.14 Business costs of terrorism

To what extent does the threat of terrorism impose costs on businesses in your country? [1 = to a great extent; 7 = not at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.4 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.4 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Slovenia | 6.7 | | | | 73 | Dominican Republic | 5.5 | | | |
| 2 | Finland | 6.7 | | | | 74 | Korea, Rep. | 5.5 | | | |
| 3 | Iceland | 6.6 | | | | 75 | Jordan | 5.5 | | | |
| 4 | Austria | 6.6 | | | | 76 | Singapore | 5.5 | | | |
| 5 | Czech Republic | 6.5 | | | | 77 | Costa Rica | 5.5 | | | |
| 6 | Hungary | 6.5 | | | | 78 | Denmark | 5.5 | | | |
| 7 | Botswana | 6.5 | | | | 79 | Swaziland | 5.5 | | | |
| 8 | Armenia | 6.5 | | | | 80 | Cape Verde | 5.5 | | | |
| 9 | Estonia | 6.4 | | | | 81 | Georgia | 5.5 | | | |
| 10 | Bosnia and Herzegovina | 6.4 | | | | 82 | Canada | 5.5 | | | |
| 11 | Brazil | 6.4 | | | | 83 | Senegal | 5.4 | | | |
| 12 | Mongolia | 6.4 | | | | 84 | Vietnam | 5.4 | | | |
| 13 | Qatar | 6.4 | | | | 85 | Burkina Faso | 5.4 | | | |
| 14 | United Arab Emirates | 6.4 | | | | 86 | Libya | 5.4 | | | |
| 15 | Oman | 6.4 | | | | 87 | Panama | 5.4 | | | |
| 16 | Saudi Arabia | 6.3 | | | | 88 | Greece | 5.3 | | | |
| 17 | Brunei Darussalam | 6.3 | | | | 89 | Liberia | 5.3 | | | |
| 18 | Portugal | 6.3 | | | | 90 | Japan | 5.3 | | | |
| 19 | Uruguay | 6.3 | | | | 91 | Guyana | 5.3 | | | |
| 20 | Montenegro | 6.3 | | | | 92 | Spain | 5.3 | | | |
| 21 | Ireland | 6.3 | | | | 93 | France | 5.2 | | | |
| 22 | Lithuania | 6.3 | | | | 94 | Ghana | 5.2 | | | |
| 23 | New Zealand | 6.2 | | | | 95 | Cameroon | 5.2 | | | |
| 24 | Slovak Republic | 6.2 | | | | 96 | Kyrgyz Republic | 5.2 | | | |
| 25 | Moldova | 6.2 | | | | 97 | Côte d'Ivoire | 5.2 | | | |
| 26 | Belgium | 6.2 | | | | 98 | United Kingdom | 5.2 | | | |
| 27 | Luxembourg | 6.2 | | | | 99 | Haiti | 5.2 | | | |
| 28 | Zambia | 6.2 | | | | 100 | Venezuela | 5.1 | | | |
| 29 | South Africa | 6.2 | | | | 101 | Benin | 5.1 | | | |
| 30 | Croatia | 6.2 | | | | 102 | China | 5.1 | | | |
| 31 | Taiwan, China | 6.2 | | | | 103 | Bangladesh | 5.1 | | | |
| 32 | Sweden | 6.2 | | | | 104 | Madagascar | 5.1 | | | |
| 33 | Sri Lanka | 6.2 | | | | 105 | Iran, Islamic Rep. | 5.1 | | | |
| 34 | Namibia | 6.2 | | | | 106 | Paraguay | 5.1 | | | |
| 35 | Mauritius | 6.2 | | | | 107 | Cambodia | 5.0 | | | |
| 36 | Ukraine | 6.1 | | | | 108 | Guinea | 5.0 | | | |
| 37 | Switzerland | 6.1 | | | | 109 | Tajikistan | 5.0 | | | |
| 38 | Zimbabwe | 6.1 | | | | 110 | Bahrain | 4.9 | | | |
| 39 | Netherlands | 6.1 | | | | 111 | Mozambique | 4.9 | | | |
| 40 | Poland | 6.1 | | | | 112 | Seychelles | 4.9 | | | |
| 41 | Latvia | 6.0 | | | | 113 | Bulgaria | 4.8 | | | |
| 42 | Argentina | 6.0 | | | | 114 | India | 4.8 | | | |
| 43 | Cyprus | 6.0 | | | | 115 | Thailand | 4.8 | | | |
| 44 | Sierra Leone | 6.0 | | | | 116 | Nicaragua | 4.8 | | | |
| 45 | Suriname | 6.0 | | | | 117 | Mexico | 4.7 | | | |
| 46 | Barbados | 6.0 | | | | 118 | Russian Federation | 4.7 | | | |
| 47 | Australia | 6.0 | | | | 119 | Peru | 4.7 | | | |
| 48 | Timor-Leste | 5.9 | | | | 120 | Tanzania | 4.6 | | | |
| 49 | Gabon | 5.9 | | | | 121 | Indonesia | 4.6 | | | |
| 50 | Chile | 5.9 | | | | 122 | Mauritania | 4.5 | | | |
| 51 | Malta | 5.9 | | | | 123 | Guatemala | 4.5 | | | |
| 52 | Hong Kong SAR | 5.9 | | | | 124 | United States | 4.4 | | | |
| 53 | Norway | 5.9 | | | | 125 | Chad | 4.4 | | | |
| 54 | Puerto Rico | 5.8 | | | | 126 | Philippines | 4.4 | | | |
| 55 | Azerbaijan | 5.8 | | | | 127 | Ecuador | 4.4 | | | |
| 56 | Germany | 5.8 | | | | 128 | Israel | 4.3 | | | |
| 57 | Jamaica | 5.7 | | | | 129 | El Salvador | 4.2 | | | |
| 58 | Malaysia | 5.7 | | | | 130 | Turkey | 4.2 | | | |
| 59 | Romania | 5.7 | | | | 131 | Honduras | 4.2 | | | |
| 60 | Kuwait | 5.6 | | | | 132 | Mali | 4.0 | | | |
| 61 | Malawi | 5.6 | | | | 133 | Nepal | 4.0 | | | |
| 62 | Italy | 5.6 | | | | 134 | Burundi | 4.0 | | | |
| 63 | Ethiopia | 5.6 | | | | 135 | Lebanon | 4.0 | | | |
| 64 | Trinidad and Tobago | 5.6 | | | | 136 | Bolivia | 3.9 | | | |
| 65 | Gambia, The | 5.6 | | | | 137 | Kenya | 3.8 | | | |
| 66 | Rwanda | 5.6 | | | | 138 | Uganda | 3.7 | | | |
| 67 | Lesotho | 5.6 | | | | 139 | Nigeria | 3.7 | | | |
| 68 | Macedonia, FYR | 5.6 | | | | 140 | Algeria | 3.5 | | | |
| 69 | Albania | 5.6 | | | | 141 | Yemen | 3.2 | | | |
| 70 | Kazakhstan | 5.6 | | | | 142 | Egypt | 3.1 | | | |
| 71 | Serbia | 5.6 | | | | 143 | Pakistan | 3.1 | | | |
| 72 | Morocco | 5.6 | | | | 144 | Colombia | 2.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.15 Business costs of crime and violence

To what extent does the incidence of crime and violence impose costs on businesses in your country? [1 = to a great extent; 7 = not at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.7 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Qatar | 6.6 | | | | 73 | Zimbabwe | 4.8 | | | |
| 2 | United Arab Emirates | 6.5 | | | | 74 | Barbados | 4.8 | | | |
| 3 | Finland | 6.4 | | | | 75 | Tajikistan | 4.8 | | | |
| 4 | Saudi Arabia | 6.3 | | | | 76 | Turkey | 4.8 | | | |
| 5 | Iceland | 6.3 | | | | 77 | Thailand | 4.8 | | | |
| 6 | Luxembourg | 6.2 | | | | 78 | Iran, Islamic Rep. | 4.7 | | | |
| 7 | Switzerland | 6.1 | | | | 79 | Zambia | 4.7 | | | |
| 8 | Oman | 6.1 | | | | 80 | Albania | 4.7 | | | |
| 9 | Singapore | 6.1 | | | | 81 | Greece | 4.7 | | | |
| 10 | Hong Kong SAR | 6.0 | | | | 82 | Kyrgyz Republic | 4.7 | | | |
| 11 | Brunei Darussalam | 6.0 | | | | 83 | Sierra Leone | 4.6 | | | |
| 12 | Slovenia | 6.0 | | | | 84 | Timor-Leste | 4.6 | | | |
| 13 | Armenia | 5.9 | | | | 85 | Serbia | 4.6 | | | |
| 14 | Malta | 5.9 | | | | 86 | United States | 4.5 | | | |
| 15 | Portugal | 5.9 | | | | 87 | Tanzania | 4.5 | | | |
| 16 | New Zealand | 5.9 | | | | 88 | Uruguay | 4.5 | | | |
| 17 | Norway | 5.8 | | | | 89 | Benin | 4.5 | | | |
| 18 | Taiwan, China | 5.8 | | | | 90 | Russian Federation | 4.5 | | | |
| 19 | Austria | 5.8 | | | | 91 | Italy | 4.5 | | | |
| 20 | Ethiopia | 5.8 | | | | 92 | Liberia | 4.5 | | | |
| 21 | Germany | 5.8 | | | | 93 | Cambodia | 4.4 | | | |
| 22 | Belgium | 5.8 | | | | 94 | Ghana | 4.4 | | | |
| 23 | Sri Lanka | 5.8 | | | | 95 | Suriname | 4.3 | | | |
| 24 | Kuwait | 5.8 | | | | 96 | Burkina Faso | 4.3 | | | |
| 25 | Australia | 5.7 | | | | 97 | Bangladesh | 4.3 | | | |
| 26 | Jordan | 5.7 | | | | 98 | Indonesia | 4.3 | | | |
| 27 | Sweden | 5.7 | | | | 99 | Malawi | 4.3 | | | |
| 28 | Cyprus | 5.6 | | | | 100 | Swaziland | 4.3 | | | |
| 29 | Ireland | 5.6 | | | | 101 | Cameroon | 4.3 | | | |
| 30 | Rwanda | 5.6 | | | | 102 | Seychelles | 4.2 | | | |
| 31 | Libya | 5.6 | | | | 103 | Mali | 4.2 | | | |
| 32 | Netherlands | 5.6 | | | | 104 | Mozambique | 4.2 | | | |
| 33 | Canada | 5.6 | | | | 105 | Nicaragua | 4.1 | | | |
| 34 | Spain | 5.5 | | | | 106 | Cape Verde | 4.0 | | | |
| 35 | Montenegro | 5.5 | | | | 107 | Philippines | 3.9 | | | |
| 36 | Israel | 5.5 | | | | 108 | Costa Rica | 3.9 | | | |
| 37 | Estonia | 5.5 | | | | 109 | Bolivia | 3.8 | | | |
| 38 | Poland | 5.5 | | | | 110 | Yemen | 3.8 | | | |
| 39 | Bosnia and Herzegovina | 5.4 | | | | 111 | Bulgaria | 3.8 | | | |
| 40 | Senegal | 5.4 | | | | 112 | Puerto Rico | 3.8 | | | |
| 41 | Japan | 5.4 | | | | 113 | Namibia | 3.8 | | | |
| 42 | Ukraine | 5.4 | | | | 114 | Lesotho | 3.8 | | | |
| 43 | Czech Republic | 5.4 | | | | 115 | Argentina | 3.8 | | | |
| 44 | Korea, Rep. | 5.4 | | | | 116 | Burundi | 3.6 | | | |
| 45 | Gambia, The | 5.3 | | | | 117 | Chad | 3.6 | | | |
| 46 | Latvia | 5.3 | | | | 118 | Panama | 3.6 | | | |
| 47 | France | 5.3 | | | | 119 | Algeria | 3.6 | | | |
| 48 | Gabon | 5.3 | | | | 120 | Kenya | 3.5 | | | |
| 49 | Lithuania | 5.3 | | | | 121 | Paraguay | 3.5 | | | |
| 50 | Mauritania | 5.3 | | | | 122 | Brazil | 3.5 | | | |
| 51 | United Kingdom | 5.3 | | | | 123 | Guyana | 3.5 | | | |
| 52 | Azerbaijan | 5.3 | | | | 124 | Nepal | 3.5 | | | |
| 53 | Moldova | 5.3 | | | | 125 | Peru | 3.4 | | | |
| 54 | Croatia | 5.2 | | | | 126 | Uganda | 3.4 | | | |
| 55 | Denmark | 5.2 | | | | 127 | Dominican Republic | 3.4 | | | |
| 56 | Georgia | 5.1 | | | | 128 | Nigeria | 3.3 | | | |
| 57 | Morocco | 5.1 | | | | 129 | Madagascar | 3.3 | | | |
| 58 | Romania | 5.1 | | | | 130 | Guinea | 3.1 | | | |
| 59 | Botswana | 5.1 | | | | 131 | Ecuador | 3.1 | | | |
| 60 | Mauritius | 5.1 | | | | 132 | Pakistan | 3.1 | | | |
| 61 | Hungary | 5.0 | | | | 133 | Egypt | 3.0 | | | |
| 62 | Macedonia, FYR | 5.0 | | | | 134 | South Africa | 2.9 | | | |
| 63 | Kazakhstan | 5.0 | | | | 135 | Mexico | 2.9 | | | |
| 64 | India | 5.0 | | | | 136 | Colombia | 2.8 | | | |
| 65 | Chile | 5.0 | | | | 137 | Côte d'Ivoire | 2.8 | | | |
| 66 | Mongolia | 5.0 | | | | 138 | Haiti | 2.5 | | | |
| 67 | Bahrain | 4.9 | | | | 139 | Trinidad and Tobago | 2.5 | | | |
| 68 | Slovak Republic | 4.9 | | | | 140 | Venezuela | 2.3 | | | |
| 69 | Malaysia | 4.9 | | | | 141 | Jamaica | 2.2 | | | |
| 70 | China | 4.8 | | | | 142 | Honduras | 2.0 | | | |
| 71 | Vietnam | 4.8 | | | | 143 | El Salvador | 1.9 | | | |
| 72 | Lebanon | 4.8 | | | | 144 | Guatemala | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.16 Organized crime

To what extent does organized crime (mafia-oriented racketeering, extortion) impose costs on businesses in your country? [1 = to a great extent; 7 = not at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | United Arab Emirates | 6.8 | | | | 73 | Burkina Faso | 5.2 | | | |
| 2 | Luxembourg | 6.8 | | | | 74 | Bosnia and Herzegovina | 5.2 | | | |
| 3 | Oman | 6.7 | | | | 75 | Georgia | 5.2 | | | |
| 4 | Finland | 6.7 | | | | 76 | Thailand | 5.2 | | | |
| 5 | Singapore | 6.7 | | | | 77 | Swaziland | 5.1 | | | |
| 6 | Saudi Arabia | 6.6 | | | | 78 | Ghana | 5.1 | | | |
| 7 | New Zealand | 6.6 | | | | 79 | Sierra Leone | 5.1 | | | |
| 8 | Estonia | 6.6 | | | | 80 | Moldova | 5.0 | | | |
| 9 | Iceland | 6.5 | | | | 81 | India | 5.0 | | | |
| 10 | Bahrain | 6.5 | | | | 82 | Egypt | 5.0 | | | |
| 11 | Qatar | 6.4 | | | | 83 | Tajikistan | 5.0 | | | |
| 12 | Austria | 6.4 | | | | 84 | Vietnam | 5.0 | | | |
| 13 | Brunei Darussalam | 6.4 | | | | 85 | Kazakhstan | 4.9 | | | |
| 14 | Switzerland | 6.4 | | | | 86 | Cambodia | 4.9 | | | |
| 15 | Malta | 6.4 | | | | 87 | United States | 4.9 | | | |
| 16 | Barbados | 6.3 | | | | 88 | Iran, Islamic Rep. | 4.9 | | | |
| 17 | Mauritius | 6.3 | | | | 89 | Lesotho | 4.9 | | | |
| 18 | Ireland | 6.3 | | | | 90 | Yemen | 4.9 | | | |
| 19 | Australia | 6.3 | | | | 91 | Liberia | 4.9 | | | |
| 20 | Botswana | 6.3 | | | | 92 | Costa Rica | 4.9 | | | |
| 21 | Netherlands | 6.3 | | | | 93 | Tanzania | 4.8 | | | |
| 22 | Norway | 6.2 | | | | 94 | Ukraine | 4.8 | | | |
| 23 | Kuwait | 6.2 | | | | 95 | Panama | 4.8 | | | |
| 24 | Ethiopia | 6.2 | | | | 96 | Cameroon | 4.7 | | | |
| 25 | Jordan | 6.2 | | | | 97 | Philippines | 4.7 | | | |
| 26 | Portugal | 6.2 | | | | 98 | China | 4.7 | | | |
| 27 | Belgium | 6.1 | | | | 99 | Albania | 4.7 | | | |
| 28 | Denmark | 6.1 | | | | 100 | Romania | 4.6 | | | |
| 29 | Hong Kong SAR | 6.1 | | | | 101 | Slovak Republic | 4.6 | | | |
| 30 | Sweden | 6.0 | | | | 102 | Turkey | 4.6 | | | |
| 31 | Gabon | 6.0 | | | | 103 | Benin | 4.6 | | | |
| 32 | Germany | 6.0 | | | | 104 | Cape Verde | 4.5 | | | |
| 33 | Uruguay | 6.0 | | | | 105 | Kyrgyz Republic | 4.5 | | | |
| 34 | Libya | 6.0 | | | | 106 | Bangladesh | 4.5 | | | |
| 35 | United Kingdom | 6.0 | | | | 107 | Macedonia, FYR | 4.5 | | | |
| 36 | Zimbabwe | 5.8 | | | | 108 | Guyana | 4.5 | | | |
| 37 | Zambia | 5.8 | | | | 109 | Mali | 4.4 | | | |
| 38 | Sri Lanka | 5.8 | | | | 110 | Dominican Republic | 4.3 | | | |
| 39 | France | 5.8 | | | | 111 | South Africa | 4.3 | | | |
| 40 | Rwanda | 5.8 | | | | 112 | Uganda | 4.2 | | | |
| 41 | Gambia, The | 5.8 | | | | 113 | Nicaragua | 4.2 | | | |
| 42 | Morocco | 5.8 | | | | 114 | Russian Federation | 4.2 | | | |
| 43 | Taiwan, China | 5.8 | | | | 115 | Kenya | 4.2 | | | |
| 44 | Canada | 5.8 | | | | 116 | Indonesia | 4.1 | | | |
| 45 | Seychelles | 5.8 | | | | 117 | Mozambique | 4.1 | | | |
| 46 | Spain | 5.8 | | | | 118 | Serbia | 4.1 | | | |
| 47 | Slovenia | 5.8 | | | | 119 | Guinea | 4.1 | | | |
| 48 | Poland | 5.7 | | | | 120 | Argentina | 4.1 | | | |
| 49 | Latvia | 5.7 | | | | 121 | Trinidad and Tobago | 4.1 | | | |
| 50 | Cyprus | 5.7 | | | | 122 | Brazil | 4.0 | | | |
| 51 | Lithuania | 5.7 | | | | 123 | Madagascar | 4.0 | | | |
| 52 | Armenia | 5.7 | | | | 124 | Paraguay | 4.0 | | | |
| 53 | Mauritania | 5.7 | | | | 125 | Burundi | 3.9 | | | |
| 54 | Chile | 5.6 | | | | 126 | Peru | 3.9 | | | |
| 55 | Israel | 5.6 | | | | 127 | Bulgaria | 3.9 | | | |
| 56 | Suriname | 5.5 | | | | 128 | Bolivia | 3.9 | | | |
| 57 | Korea, Rep. | 5.5 | | | | 129 | Nepal | 3.8 | | | |
| 58 | Puerto Rico | 5.4 | | | | 130 | Ecuador | 3.6 | | | |
| 59 | Japan | 5.4 | | | | 131 | Italy | 3.5 | | | |
| 60 | Malaysia | 5.4 | | | | 132 | Côte d'Ivoire | 3.5 | | | |
| 61 | Malawi | 5.4 | | | | 133 | Nigeria | 3.5 | | | |
| 62 | Czech Republic | 5.4 | | | | 134 | Chad | 3.5 | | | |
| 63 | Hungary | 5.4 | | | | 135 | Haiti | 3.5 | | | |
| 64 | Timor-Leste | 5.3 | | | | 136 | Pakistan | 3.4 | | | |
| 65 | Mongolia | 5.3 | | | | 137 | Algeria | 3.3 | | | |
| 66 | Senegal | 5.3 | | | | 138 | Jamaica | 3.2 | | | |
| 67 | Lebanon | 5.3 | | | | 139 | Mexico | 2.9 | | | |
| 68 | Greece | 5.3 | | | | 140 | Colombia | 2.8 | | | |
| 69 | Azerbaijan | 5.3 | | | | 141 | Honduras | 2.7 | | | |
| 70 | Namibia | 5.3 | | | | 142 | Venezuela | 2.7 | | | |
| 71 | Montenegro | 5.2 | | | | 143 | Guatemala | 2.1 | | | |
| 72 | Croatia | 5.2 | | | | 144 | El Salvador | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.17 Reliability of police services

To what extent can police services be relied upon to enforce law and order in your country? [1 = cannot be relied upon at all; 7 = can be completely relied upon] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Finland | 6.6 | | | | 73 | Namibia | 4.2 | | | |
| 2 | Switzerland | 6.4 | | | | 74 | Colombia | 4.2 | | | |
| 3 | Singapore | 6.4 | | | | 75 | Swaziland | 4.2 | | | |
| 4 | New Zealand | 6.3 | | | | 76 | Tajikistan | 4.0 | | | |
| 5 | Qatar | 6.3 | | | | 77 | Albania | 4.0 | | | |
| 6 | Netherlands | 6.2 | | | | 78 | Serbia | 4.0 | | | |
| 7 | Denmark | 6.2 | | | | 79 | Liberia | 4.0 | | | |
| 8 | Canada | 6.2 | | | | 80 | Azerbaijan | 4.0 | | | |
| 9 | Iceland | 6.2 | | | | 81 | Turkey | 4.0 | | | |
| 10 | Hong Kong SAR | 6.2 | | | | 82 | Ethiopia | 4.0 | | | |
| 11 | United Arab Emirates | 6.1 | | | | 83 | Timor-Leste | 4.0 | | | |
| 12 | Australia | 6.1 | | | | 84 | Greece | 3.9 | | | |
| 13 | Sweden | 6.1 | | | | 85 | Indonesia | 3.9 | | | |
| 14 | Chile | 6.1 | | | | 86 | Slovak Republic | 3.9 | | | |
| 15 | Ireland | 6.0 | | | | 87 | Uganda | 3.9 | | | |
| 16 | Spain | 6.0 | | | | 88 | Cameroon | 3.9 | | | |
| 17 | Austria | 6.0 | | | | 89 | Mongolia | 3.8 | | | |
| 18 | Norway | 6.0 | | | | 90 | South Africa | 3.8 | | | |
| 19 | Rwanda | 5.9 | | | | 91 | Malawi | 3.8 | | | |
| 20 | Germany | 5.9 | | | | 92 | Czech Republic | 3.8 | | | |
| 21 | Luxembourg | 5.9 | | | | 93 | Armenia | 3.8 | | | |
| 22 | Barbados | 5.9 | | | | 94 | Nicaragua | 3.8 | | | |
| 23 | United Kingdom | 5.9 | | | | 95 | Burkina Faso | 3.8 | | | |
| 24 | Belgium | 5.7 | | | | 96 | Kazakhstan | 3.7 | | | |
| 25 | Oman | 5.7 | | | | 97 | Seychelles | 3.7 | | | |
| 26 | Japan | 5.7 | | | | 98 | Jamaica | 3.7 | | | |
| 27 | Saudi Arabia | 5.6 | | | | 99 | Gabon | 3.7 | | | |
| 28 | Jordan | 5.6 | | | | 100 | Philippines | 3.6 | | | |
| 29 | Bahrain | 5.6 | | | | 101 | Thailand | 3.6 | | | |
| 30 | United States | 5.5 | | | | 102 | Tanzania | 3.6 | | | |
| 31 | Estonia | 5.5 | | | | 103 | Mali | 3.6 | | | |
| 32 | Taiwan, China | 5.3 | | | | 104 | Sierra Leone | 3.6 | | | |
| 33 | France | 5.3 | | | | 105 | Cambodia | 3.5 | | | |
| 34 | Portugal | 5.2 | | | | 106 | Egypt | 3.5 | | | |
| 35 | Brunei Darussalam | 5.1 | | | | 107 | Lebanon | 3.5 | | | |
| 36 | Cyprus | 5.1 | | | | 108 | Nepal | 3.5 | | | |
| 37 | Georgia | 5.1 | | | | 109 | Lesotho | 3.5 | | | |
| 38 | Italy | 5.1 | | | | 110 | Romania | 3.4 | | | |
| 39 | Korea, Rep. | 5.0 | | | | 111 | Bulgaria | 3.4 | | | |
| 40 | Malaysia | 5.0 | | | | 112 | Mozambique | 3.4 | | | |
| 41 | Montenegro | 5.0 | | | | 113 | Kenya | 3.4 | | | |
| 42 | Malta | 5.0 | | | | 114 | Libya | 3.3 | | | |
| 43 | Botswana | 5.0 | | | | 115 | Nigeria | 3.2 | | | |
| 44 | Gambia, The | 4.9 | | | | 116 | Ecuador | 3.2 | | | |
| 45 | Bosnia and Herzegovina | 4.9 | | | | 117 | Trinidad and Tobago | 3.2 | | | |
| 46 | Costa Rica | 4.8 | | | | 118 | El Salvador | 3.1 | | | |
| 47 | Kuwait | 4.8 | | | | 119 | Moldova | 3.1 | | | |
| 48 | Israel | 4.8 | | | | 120 | Guinea | 3.0 | | | |
| 49 | Suriname | 4.7 | | | | 121 | Algeria | 3.0 | | | |
| 50 | Slovenia | 4.7 | | | | 122 | Bolivia | 3.0 | | | |
| 51 | Croatia | 4.7 | | | | 123 | Ukraine | 3.0 | | | |
| 52 | Panama | 4.7 | | | | 124 | Zimbabwe | 3.0 | | | |
| 53 | Vietnam | 4.6 | | | | 125 | Honduras | 3.0 | | | |
| 54 | Puerto Rico | 4.6 | | | | 126 | Bangladesh | 3.0 | | | |
| 55 | Ghana | 4.6 | | | | 127 | Pakistan | 3.0 | | | |
| 56 | Iran, Islamic Rep. | 4.5 | | | | 128 | Peru | 3.0 | | | |
| 57 | Mauritius | 4.5 | | | | 129 | Kyrgyz Republic | 2.9 | | | |
| 58 | Cape Verde | 4.5 | | | | 130 | Mauritania | 2.9 | | | |
| 59 | China | 4.5 | | | | 131 | Argentina | 2.9 | | | |
| 60 | Brazil | 4.4 | | | | 132 | Guyana | 2.8 | | | |
| 61 | Benin | 4.4 | | | | 133 | Russian Federation | 2.8 | | | |
| 62 | Senegal | 4.4 | | | | 134 | Mexico | 2.8 | | | |
| 63 | Zambia | 4.4 | | | | 135 | Côte d'Ivoire | 2.8 | | | |
| 64 | Morocco | 4.3 | | | | 136 | Haiti | 2.6 | | | |
| 65 | Latvia | 4.3 | | | | 137 | Guatemala | 2.6 | | | |
| 66 | Lithuania | 4.3 | | | | 138 | Paraguay | 2.6 | | | |
| 67 | Poland | 4.3 | | | | 139 | Chad | 2.4 | | | |
| 68 | Macedonia, FYR | 4.3 | | | | 140 | Madagascar | 2.3 | | | |
| 69 | India | 4.3 | | | | 141 | Yemen | 2.2 | | | |
| 70 | Hungary | 4.2 | | | | 142 | Venezuela | 2.1 | | | |
| 71 | Uruguay | 4.2 | | | | 143 | Dominican Republic | 2.0 | | | |
| 72 | Sri Lanka | 4.2 | | | | 144 | Burundi | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.18 Ethical behavior of firms

How would you compare the corporate ethics (ethical behavior in interactions with public officials, politicians, and other enterprises) of firms in your country with those of other countries in the world? [1 = among the worst in the world; 7 = among the best in the world] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | New Zealand | 6.6 | | | | 73 | Egypt | 3.8 | | | |
| 2 | Finland | 6.5 | | | | 74 | Guatemala | 3.8 | | | |
| 3 | Singapore | 6.4 | | | | 75 | Ghana | 3.8 | | | |
| 4 | Denmark | 6.4 | | | | 76 | Mexico | 3.8 | | | |
| 5 | Switzerland | 6.4 | | | | 77 | Malawi | 3.8 | | | |
| 6 | Netherlands | 6.3 | | | | 78 | Tajikistan | 3.8 | | | |
| 7 | Canada | 6.2 | | | | 79 | Honduras | 3.8 | | | |
| 8 | Sweden | 6.2 | | | | 80 | Cambodia | 3.8 | | | |
| 9 | Norway | 6.2 | | | | 81 | India | 3.8 | | | |
| 10 | Luxembourg | 6.1 | | | | 82 | Guyana | 3.8 | | | |
| 11 | Australia | 5.9 | | | | 83 | Suriname | 3.7 | | | |
| 12 | United Kingdom | 5.9 | | | | 84 | Brazil | 3.7 | | | |
| 13 | Qatar | 5.8 | | | | 85 | Libya | 3.7 | | | |
| 14 | Germany | 5.8 | | | | 86 | Senegal | 3.7 | | | |
| 15 | Japan | 5.7 | | | | 87 | Philippines | 3.7 | | | |
| 16 | United Arab Emirates | 5.7 | | | | 88 | Vietnam | 3.6 | | | |
| 17 | Hong Kong SAR | 5.7 | | | | 89 | Uganda | 3.6 | | | |
| 18 | Austria | 5.6 | | | | 90 | Italy | 3.6 | | | |
| 19 | Iceland | 5.6 | | | | 91 | Armenia | 3.6 | | | |
| 20 | Belgium | 5.4 | | | | 92 | Sierra Leone | 3.6 | | | |
| 21 | Ireland | 5.4 | | | | 93 | Peru | 3.6 | | | |
| 22 | Oman | 5.4 | | | | 94 | Croatia | 3.6 | | | |
| 23 | France | 5.4 | | | | 95 | Jamaica | 3.6 | | | |
| 24 | Chile | 5.3 | | | | 96 | Indonesia | 3.6 | | | |
| 25 | Barbados | 5.2 | | | | 97 | Benin | 3.6 | | | |
| 26 | Bahrain | 5.2 | | | | 98 | Hungary | 3.6 | | | |
| 27 | Saudi Arabia | 5.2 | | | | 99 | Swaziland | 3.6 | | | |
| 28 | Rwanda | 5.0 | | | | 100 | Macedonia, FYR | 3.6 | | | |
| 29 | United States | 5.0 | | | | 101 | Nicaragua | 3.6 | | | |
| 30 | Brunei Darussalam | 5.0 | | | | 102 | Kenya | 3.6 | | | |
| 31 | Estonia | 5.0 | | | | 103 | Trinidad and Tobago | 3.5 | | | |
| 32 | Israel | 5.0 | | | | 104 | Côte d'Ivoire | 3.5 | | | |
| 33 | Malaysia | 5.0 | | | | 105 | Ethiopia | 3.5 | | | |
| 34 | Uruguay | 5.0 | | | | 106 | Nigeria | 3.5 | | | |
| 35 | Taiwan, China | 4.9 | | | | 107 | Bulgaria | 3.5 | | | |
| 36 | Puerto Rico | 4.8 | | | | 108 | Pakistan | 3.5 | | | |
| 37 | Botswana | 4.8 | | | | 109 | Tanzania | 3.5 | | | |
| 38 | Gambia, The | 4.7 | | | | 110 | Mali | 3.5 | | | |
| 39 | Costa Rica | 4.6 | | | | 111 | Dominican Republic | 3.5 | | | |
| 40 | Spain | 4.5 | | | | 112 | Colombia | 3.5 | | | |
| 41 | Portugal | 4.5 | | | | 113 | Cameroon | 3.4 | | | |
| 42 | Malta | 4.5 | | | | 114 | Bolivia | 3.4 | | | |
| 43 | Mauritius | 4.4 | | | | 115 | Czech Republic | 3.4 | | | |
| 44 | Liberia | 4.4 | | | | 116 | Slovak Republic | 3.4 | | | |
| 45 | Cyprus | 4.4 | | | | 117 | Moldova | 3.4 | | | |
| 46 | Cape Verde | 4.4 | | | | 118 | El Salvador | 3.4 | | | |
| 47 | Jordan | 4.3 | | | | 119 | Russian Federation | 3.4 | | | |
| 48 | South Africa | 4.3 | | | | 120 | Guinea | 3.3 | | | |
| 49 | Gabon | 4.3 | | | | 121 | Mongolia | 3.3 | | | |
| 50 | Montenegro | 4.2 | | | | 122 | Mozambique | 3.2 | | | |
| 51 | Seychelles | 4.2 | | | | 123 | Paraguay | 3.2 | | | |
| 52 | Slovenia | 4.2 | | | | 124 | Ukraine | 3.2 | | | |
| 53 | Poland | 4.2 | | | | 125 | Nepal | 3.2 | | | |
| 54 | Burkina Faso | 4.1 | | | | 126 | Romania | 3.2 | | | |
| 55 | Georgia | 4.1 | | | | 127 | Lebanon | 3.2 | | | |
| 56 | Korea, Rep. | 4.1 | | | | 128 | Mauritania | 3.1 | | | |
| 57 | Turkey | 4.0 | | | | 129 | Timor-Leste | 3.1 | | | |
| 58 | China | 4.0 | | | | 130 | Greece | 3.1 | | | |
| 59 | Namibia | 4.0 | | | | 131 | Ecuador | 3.1 | | | |
| 60 | Kuwait | 4.0 | | | | 132 | Serbia | 3.1 | | | |
| 61 | Sri Lanka | 4.0 | | | | 133 | Lesotho | 3.1 | | | |
| 62 | Lithuania | 4.0 | | | | 134 | Bosnia and Herzegovina | 3.1 | | | |
| 63 | Zambia | 4.0 | | | | 135 | Madagascar | 3.1 | | | |
| 64 | Panama | 4.0 | | | | 136 | Yemen | 3.0 | | | |
| 65 | Latvia | 4.0 | | | | 137 | Venezuela | 3.0 | | | |
| 66 | Iran, Islamic Rep. | 4.0 | | | | 138 | Argentina | 3.0 | | | |
| 67 | Morocco | 4.0 | | | | 139 | Bangladesh | 2.9 | | | |
| 68 | Thailand | 3.9 | | | | 140 | Chad | 2.8 | | | |
| 69 | Azerbaijan | 3.9 | | | | 141 | Kyrgyz Republic | 2.8 | | | |
| 70 | Kazakhstan | 3.9 | | | | 142 | Haiti | 2.8 | | | |
| 71 | Albania | 3.9 | | | | 143 | Algeria | 2.6 | | | |
| 72 | Zimbabwe | 3.9 | | | | 144 | Burundi | 2.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.19 Strength of auditing and reporting standards

In your country, how would you assess financial auditing and reporting standards regarding company financial performance? [1 = extremely weak; 7 = extremely strong] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | South Africa | 6.6 | | | | 73 | Dominican Republic | 4.5 | | | |
| 2 | Finland | 6.3 | | | | 74 | Kazakhstan | 4.5 | | | |
| 3 | New Zealand | 6.2 | | | | 75 | Korea, Rep. | 4.5 | | | |
| 4 | Qatar | 6.1 | | | | 76 | Lebanon | 4.4 | | | |
| 5 | Singapore | 6.1 | | | | 77 | Armenia | 4.4 | | | |
| 6 | Canada | 6.1 | | | | 78 | Liberia | 4.4 | | | |
| 7 | Netherlands | 6.0 | | | | 79 | Ghana | 4.4 | | | |
| 8 | Australia | 6.0 | | | | 80 | Senegal | 4.4 | | | |
| 9 | Bahrain | 6.0 | | | | 81 | Kenya | 4.4 | | | |
| 10 | Hong Kong SAR | 6.0 | | | | 82 | Greece | 4.4 | | | |
| 11 | Sweden | 5.9 | | | | 83 | Macedonia, FYR | 4.4 | | | |
| 12 | Norway | 5.9 | | | | 84 | Colombia | 4.4 | | | |
| 13 | United Kingdom | 5.9 | | | | 85 | Gabon | 4.4 | | | |
| 14 | Puerto Rico | 5.8 | | | | 86 | Pakistan | 4.4 | | | |
| 15 | Luxembourg | 5.8 | | | | 87 | Indonesia | 4.4 | | | |
| 16 | Malta | 5.8 | | | | 88 | Slovak Republic | 4.3 | | | |
| 17 | Barbados | 5.7 | | | | 89 | Morocco | 4.3 | | | |
| 18 | Austria | 5.7 | | | | 90 | El Salvador | 4.3 | | | |
| 19 | Saudi Arabia | 5.6 | | | | 91 | Trinidad and Tobago | 4.3 | | | |
| 20 | Oman | 5.6 | | | | 92 | Bulgaria | 4.3 | | | |
| 21 | Belgium | 5.6 | | | | 93 | Iran, Islamic Rep. | 4.3 | | | |
| 22 | Mauritius | 5.6 | | | | 94 | Georgia | 4.3 | | | |
| 23 | Switzerland | 5.5 | | | | 95 | Montenegro | 4.3 | | | |
| 24 | Estonia | 5.5 | | | | 96 | Nicaragua | 4.2 | | | |
| 25 | Israel | 5.5 | | | | 97 | Guyana | 4.2 | | | |
| 26 | Germany | 5.5 | | | | 98 | Moldova | 4.2 | | | |
| 27 | Taiwan, China | 5.4 | | | | 99 | Venezuela | 4.2 | | | |
| 28 | United Arab Emirates | 5.4 | | | | 100 | Croatia | 4.2 | | | |
| 29 | Cyprus | 5.4 | | | | 101 | Albania | 4.2 | | | |
| 30 | Malaysia | 5.4 | | | | 102 | Paraguay | 4.2 | | | |
| 31 | Namibia | 5.3 | | | | 103 | Italy | 4.1 | | | |
| 32 | Jamaica | 5.3 | | | | 104 | Egypt | 4.1 | | | |
| 33 | Denmark | 5.3 | | | | 105 | Uganda | 4.1 | | | |
| 34 | France | 5.3 | | | | 106 | Ecuador | 4.0 | | | |
| 35 | Zimbabwe | 5.2 | | | | 107 | Ethiopia | 4.0 | | | |
| 36 | Panama | 5.2 | | | | 108 | Suriname | 4.0 | | | |
| 37 | United States | 5.2 | | | | 109 | Burkina Faso | 4.0 | | | |
| 38 | Poland | 5.2 | | | | 110 | Romania | 4.0 | | | |
| 39 | Japan | 5.1 | | | | 111 | Azerbaijan | 4.0 | | | |
| 40 | Swaziland | 5.1 | | | | 112 | Cape Verde | 4.0 | | | |
| 41 | Philippines | 5.1 | | | | 113 | Nigeria | 3.9 | | | |
| 42 | Brazil | 5.1 | | | | 114 | Tanzania | 3.9 | | | |
| 43 | Hungary | 5.1 | | | | 115 | Nepal | 3.9 | | | |
| 44 | India | 5.0 | | | | 116 | Mozambique | 3.9 | | | |
| 45 | Chile | 5.0 | | | | 117 | Serbia | 3.9 | | | |
| 46 | Sri Lanka | 5.0 | | | | 118 | Cambodia | 3.9 | | | |
| 47 | Lithuania | 5.0 | | | | 119 | Bosnia and Herzegovina | 3.9 | | | |
| 48 | Jordan | 5.0 | | | | 120 | Argentina | 3.8 | | | |
| 49 | Peru | 5.0 | | | | 121 | Lesotho | 3.8 | | | |
| 50 | Botswana | 4.9 | | | | 122 | Ukraine | 3.8 | | | |
| 51 | Czech Republic | 4.9 | | | | 123 | Russian Federation | 3.8 | | | |
| 52 | Gambia, The | 4.9 | | | | 124 | Cameroon | 3.7 | | | |
| 53 | Thailand | 4.9 | | | | 125 | Tajikistan | 3.7 | | | |
| 54 | Portugal | 4.9 | | | | 126 | Sierra Leone | 3.7 | | | |
| 55 | Mexico | 4.8 | | | | 127 | Bangladesh | 3.7 | | | |
| 56 | Malawi | 4.8 | | | | 128 | Bolivia | 3.7 | | | |
| 57 | Honduras | 4.8 | | | | 129 | Kyrgyz Republic | 3.6 | | | |
| 58 | Brunei Darussalam | 4.8 | | | | 130 | Mongolia | 3.6 | | | |
| 59 | Seychelles | 4.7 | | | | 131 | Yemen | 3.6 | | | |
| 60 | Kuwait | 4.7 | | | | 132 | Vietnam | 3.5 | | | |
| 61 | Latvia | 4.7 | | | | 133 | Côte d'Ivoire | 3.5 | | | |
| 62 | Costa Rica | 4.7 | | | | 134 | Madagascar | 3.3 | | | |
| 63 | Turkey | 4.7 | | | | 135 | Chad | 3.3 | | | |
| 64 | Slovenia | 4.7 | | | | 136 | Libya | 3.3 | | | |
| 65 | Guatemala | 4.7 | | | | 137 | Benin | 3.3 | | | |
| 66 | Ireland | 4.6 | | | | 138 | Mauritania | 3.2 | | | |
| 67 | Zambia | 4.6 | | | | 139 | Mali | 3.2 | | | |
| 68 | Spain | 4.6 | | | | 140 | Timor-Leste | 3.1 | | | |
| 69 | Rwanda | 4.6 | | | | 141 | Haiti | 2.9 | | | |
| 70 | Iceland | 4.6 | | | | 142 | Guinea | 2.9 | | | |
| 71 | Uruguay | 4.6 | | | | 143 | Algeria | 2.8 | | | |
| 72 | China | 4.5 | | | | 144 | Burundi | 2.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.20 Efficacy of corporate boards

How would you characterize corporate governance by investors and boards of directors in your country? [1 = management has little accountability to investors and boards; 7 = investors and boards exert strong supervision of management decisions] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | South Africa | 5.8 | | | | 73 | Malawi | 4.5 | | | |
| 2 | New Zealand | 5.7 | | | | 74 | Liberia | 4.4 | | | |
| 3 | Singapore | 5.6 | | | | 75 | India | 4.4 | | | |
| 4 | Australia | 5.6 | | | | 76 | Panama | 4.4 | | | |
| 5 | Norway | 5.6 | | | | 77 | Ghana | 4.4 | | | |
| 6 | Sweden | 5.6 | | | | 78 | Tanzania | 4.4 | | | |
| 7 | Switzerland | 5.5 | | | | 79 | Kenya | 4.4 | | | |
| 8 | Canada | 5.5 | | | | 80 | Poland | 4.4 | | | |
| 9 | Finland | 5.4 | | | | 81 | Namibia | 4.4 | | | |
| 10 | Netherlands | 5.4 | | | | 82 | Suriname | 4.4 | | | |
| 11 | Qatar | 5.4 | | | | 83 | El Salvador | 4.4 | | | |
| 12 | Denmark | 5.3 | | | | 84 | Malta | 4.4 | | | |
| 13 | Puerto Rico | 5.3 | | | | 85 | Madagascar | 4.4 | | | |
| 14 | Malaysia | 5.3 | | | | 86 | Latvia | 4.4 | | | |
| 15 | United Kingdom | 5.3 | | | | 87 | Swaziland | 4.4 | | | |
| 16 | Luxembourg | 5.2 | | | | 88 | Guinea | 4.3 | | | |
| 17 | Germany | 5.2 | | | | 89 | Nigeria | 4.3 | | | |
| 18 | Austria | 5.2 | | | | 90 | Jamaica | 4.3 | | | |
| 19 | Saudi Arabia | 5.2 | | | | 91 | China | 4.3 | | | |
| 20 | Belgium | 5.2 | | | | 92 | Tajikistan | 4.3 | | | |
| 21 | France | 5.2 | | | | 93 | Montenegro | 4.3 | | | |
| 22 | United Arab Emirates | 5.1 | | | | 94 | Hungary | 4.3 | | | |
| 23 | United States | 5.1 | | | | 95 | Jordan | 4.2 | | | |
| 24 | Japan | 5.1 | | | | 96 | Turkey | 4.2 | | | |
| 25 | Gambia, The | 5.1 | | | | 97 | Haiti | 4.2 | | | |
| 26 | Bahrain | 5.0 | | | | 98 | Dominican Republic | 4.2 | | | |
| 27 | Barbados | 5.0 | | | | 99 | Vietnam | 4.2 | | | |
| 28 | Hong Kong SAR | 5.0 | | | | 100 | Georgia | 4.2 | | | |
| 29 | Oman | 5.0 | | | | 101 | Portugal | 4.2 | | | |
| 30 | Sri Lanka | 5.0 | | | | 102 | Kyrgyz Republic | 4.2 | | | |
| 31 | Côte d'Ivoire | 5.0 | | | | 103 | Spain | 4.2 | | | |
| 32 | Mauritius | 4.9 | | | | 104 | Iran, Islamic Rep. | 4.2 | | | |
| 33 | Taiwan, China | 4.9 | | | | 105 | Lesotho | 4.2 | | | |
| 34 | Lithuania | 4.9 | | | | 106 | Argentina | 4.1 | | | |
| 35 | Brunei Darussalam | 4.9 | | | | 107 | Ethiopia | 4.1 | | | |
| 36 | Kazakhstan | 4.9 | | | | 108 | Paraguay | 4.1 | | | |
| 37 | Chile | 4.9 | | | | 109 | Macedonia, FYR | 4.1 | | | |
| 38 | Brazil | 4.9 | | | | 110 | Armenia | 4.1 | | | |
| 39 | Guatemala | 4.9 | | | | 111 | Pakistan | 4.1 | | | |
| 40 | Ireland | 4.8 | | | | 112 | Sierra Leone | 4.0 | | | |
| 41 | Zimbabwe | 4.8 | | | | 113 | Ukraine | 4.0 | | | |
| 42 | Botswana | 4.8 | | | | 114 | Trinidad and Tobago | 4.0 | | | |
| 43 | Estonia | 4.8 | | | | 115 | Ecuador | 4.0 | | | |
| 44 | Gabon | 4.8 | | | | 116 | Bangladesh | 4.0 | | | |
| 45 | Morocco | 4.8 | | | | 117 | Cape Verde | 4.0 | | | |
| 46 | Rwanda | 4.8 | | | | 118 | Romania | 4.0 | | | |
| 47 | Burkina Faso | 4.8 | | | | 119 | Nicaragua | 4.0 | | | |
| 48 | Uganda | 4.7 | | | | 120 | Lebanon | 4.0 | | | |
| 49 | Senegal | 4.7 | | | | 121 | Korea, Rep. | 4.0 | | | |
| 50 | Iceland | 4.7 | | | | 122 | Slovenia | 4.0 | | | |
| 51 | Philippines | 4.7 | | | | 123 | Mozambique | 3.9 | | | |
| 52 | Guyana | 4.7 | | | | 124 | Russian Federation | 3.9 | | | |
| 53 | Zambia | 4.7 | | | | 125 | Mongolia | 3.9 | | | |
| 54 | Peru | 4.7 | | | | 126 | Burundi | 3.9 | | | |
| 55 | Costa Rica | 4.7 | | | | 127 | Croatia | 3.9 | | | |
| 56 | Albania | 4.7 | | | | 128 | Mauritania | 3.9 | | | |
| 57 | Cambodia | 4.7 | | | | 129 | Venezuela | 3.9 | | | |
| 58 | Cameroon | 4.7 | | | | 130 | Kuwait | 3.9 | | | |
| 59 | Israel | 4.6 | | | | 131 | Greece | 3.9 | | | |
| 60 | Benin | 4.6 | | | | 132 | Bulgaria | 3.8 | | | |
| 61 | Bosnia and Herzegovina | 4.6 | | | | 133 | Nepal | 3.8 | | | |
| 62 | Indonesia | 4.6 | | | | 134 | Italy | 3.8 | | | |
| 63 | Honduras | 4.6 | | | | 135 | Mali | 3.8 | | | |
| 64 | Czech Republic | 4.5 | | | | 136 | Egypt | 3.8 | | | |
| 65 | Moldova | 4.5 | | | | 137 | Timor-Leste | 3.8 | | | |
| 66 | Colombia | 4.5 | | | | 138 | Bolivia | 3.7 | | | |
| 67 | Mexico | 4.5 | | | | 139 | Cyprus | 3.7 | | | |
| 68 | Thailand | 4.5 | | | | 140 | Libya | 3.7 | | | |
| 69 | Azerbaijan | 4.5 | | | | 141 | Serbia | 3.7 | | | |
| 70 | Seychelles | 4.5 | | | | 142 | Chad | 3.3 | | | |
| 71 | Slovak Republic | 4.5 | | | | 143 | Algeria | 3.1 | | | |
| 72 | Uruguay | 4.5 | | | | 144 | Yemen | 3.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.21 Protection of minority shareholders' interests

In your country, to what extent are the interests of minority shareholders protected by the legal system? [1 = not protected at all; 7 = fully protected] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Finland | 6.1 | | | | 73 | Turkey | 4.2 | | | |
| 2 | South Africa | 6.0 | | | | 74 | Ethiopia | 4.1 | | | |
| 3 | New Zealand | 5.8 | | | | 75 | Egypt | 4.1 | | | |
| 4 | Norway | 5.8 | | | | 76 | Cameroon | 4.1 | | | |
| 5 | Puerto Rico | 5.7 | | | | 77 | Latvia | 4.1 | | | |
| 6 | Sweden | 5.6 | | | | 78 | Iran, Islamic Rep. | 4.1 | | | |
| 7 | Qatar | 5.6 | | | | 79 | Czech Republic | 4.1 | | | |
| 8 | Singapore | 5.5 | | | | 80 | Guinea | 4.0 | | | |
| 9 | Saudi Arabia | 5.5 | | | | 81 | Pakistan | 4.0 | | | |
| 10 | Bahrain | 5.5 | | | | 82 | Colombia | 4.0 | | | |
| 11 | Canada | 5.4 | | | | 83 | Azerbaijan | 4.0 | | | |
| 12 | Netherlands | 5.4 | | | | 84 | Lebanon | 4.0 | | | |
| 13 | Hong Kong SAR | 5.3 | | | | 85 | Hungary | 4.0 | | | |
| 14 | Oman | 5.3 | | | | 86 | Poland | 4.0 | | | |
| 15 | Malaysia | 5.2 | | | | 87 | Kenya | 3.9 | | | |
| 16 | United Kingdom | 5.2 | | | | 88 | Cambodia | 3.9 | | | |
| 17 | Malta | 5.2 | | | | 89 | Kazakhstan | 3.9 | | | |
| 18 | Luxembourg | 5.2 | | | | 90 | Tajikistan | 3.9 | | | |
| 19 | Mauritius | 5.2 | | | | 91 | Nigeria | 3.9 | | | |
| 20 | Australia | 5.1 | | | | 92 | Cape Verde | 3.9 | | | |
| 21 | Cyprus | 5.1 | | | | 93 | Lithuania | 3.9 | | | |
| 22 | Austria | 5.1 | | | | 94 | Tanzania | 3.9 | | | |
| 23 | Sri Lanka | 5.0 | | | | 95 | Burkina Faso | 3.9 | | | |
| 24 | United Arab Emirates | 5.0 | | | | 96 | Kuwait | 3.9 | | | |
| 25 | Denmark | 5.0 | | | | 97 | Uganda | 3.9 | | | |
| 26 | Germany | 4.9 | | | | 98 | Côte d'Ivoire | 3.8 | | | |
| 27 | Belgium | 4.9 | | | | 99 | Vietnam | 3.8 | | | |
| 28 | Japan | 4.9 | | | | 100 | Benin | 3.8 | | | |
| 29 | Barbados | 4.9 | | | | 101 | Mali | 3.8 | | | |
| 30 | Rwanda | 4.8 | | | | 102 | Mozambique | 3.8 | | | |
| 31 | Taiwan, China | 4.8 | | | | 103 | Slovak Republic | 3.8 | | | |
| 32 | Jordan | 4.8 | | | | 104 | Armenia | 3.8 | | | |
| 33 | United States | 4.8 | | | | 105 | Bulgaria | 3.7 | | | |
| 34 | Switzerland | 4.8 | | | | 106 | Guatemala | 3.7 | | | |
| 35 | Gambia, The | 4.8 | | | | 107 | Paraguay | 3.7 | | | |
| 36 | Brunei Darussalam | 4.8 | | | | 108 | Guyana | 3.7 | | | |
| 37 | Brazil | 4.7 | | | | 109 | Korea, Rep. | 3.7 | | | |
| 38 | Israel | 4.7 | | | | 110 | Nepal | 3.7 | | | |
| 39 | Panama | 4.7 | | | | 111 | Ecuador | 3.7 | | | |
| 40 | Namibia | 4.7 | | | | 112 | Sierra Leone | 3.6 | | | |
| 41 | Ireland | 4.7 | | | | 113 | Gabon | 3.6 | | | |
| 42 | France | 4.6 | | | | 114 | Georgia | 3.6 | | | |
| 43 | Zimbabwe | 4.6 | | | | 115 | Bolivia | 3.6 | | | |
| 44 | Botswana | 4.5 | | | | 116 | Moldova | 3.6 | | | |
| 45 | Seychelles | 4.5 | | | | 117 | El Salvador | 3.6 | | | |
| 46 | Zambia | 4.5 | | | | 118 | Mauritania | 3.6 | | | |
| 47 | Morocco | 4.5 | | | | 119 | Trinidad and Tobago | 3.6 | | | |
| 48 | Chile | 4.5 | | | | 120 | Croatia | 3.6 | | | |
| 49 | Uruguay | 4.5 | | | | 121 | Lesotho | 3.5 | | | |
| 50 | Costa Rica | 4.5 | | | | 122 | Italy | 3.5 | | | |
| 51 | Ghana | 4.4 | | | | 123 | Macedonia, FYR | 3.5 | | | |
| 52 | India | 4.4 | | | | 124 | Romania | 3.5 | | | |
| 53 | Thailand | 4.4 | | | | 125 | Nicaragua | 3.5 | | | |
| 54 | Iceland | 4.4 | | | | 126 | Slovenia | 3.4 | | | |
| 55 | Malawi | 4.4 | | | | 127 | Suriname | 3.4 | | | |
| 56 | Jamaica | 4.3 | | | | 128 | Argentina | 3.4 | | | |
| 57 | Philippines | 4.3 | | | | 129 | Yemen | 3.3 | | | |
| 58 | Estonia | 4.3 | | | | 130 | Venezuela | 3.2 | | | |
| 59 | Portugal | 4.3 | | | | 131 | Bangladesh | 3.2 | | | |
| 60 | Mexico | 4.3 | | | | 132 | Mongolia | 3.2 | | | |
| 61 | Greece | 4.3 | | | | 133 | Timor-Leste | 3.1 | | | |
| 62 | Indonesia | 4.3 | | | | 134 | Burundi | 3.1 | | | |
| 63 | Dominican Republic | 4.3 | | | | 135 | Madagascar | 3.1 | | | |
| 64 | Liberia | 4.3 | | | | 136 | Algeria | 3.1 | | | |
| 65 | Montenegro | 4.2 | | | | 137 | Kyrgyz Republic | 3.1 | | | |
| 66 | Spain | 4.2 | | | | 138 | Bosnia and Herzegovina | 3.1 | | | |
| 67 | Swaziland | 4.2 | | | | 139 | Libya | 3.1 | | | |
| 68 | China | 4.2 | | | | 140 | Russian Federation | 3.0 | | | |
| 69 | Senegal | 4.2 | | | | 141 | Ukraine | 3.0 | | | |
| 70 | Albania | 4.2 | | | | 142 | Chad | 2.9 | | | |
| 71 | Peru | 4.2 | | | | 143 | Serbia | 2.6 | | | |
| 72 | Honduras | 4.2 | | | | 144 | Haiti | 2.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

1.22 Strength of investor protection

Strength of Investor Protection Index on a 0–10 (best) scale | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|---------------------|-------|------|------------------------|-------|
| 1 | New Zealand | 9.7 | 65 | Korea, Rep. | 5.3 |
| 2 | Singapore | 9.3 | 65 | Malawi | 5.3 |
| 3 | Hong Kong SAR | 9.0 | 65 | Namibia | 5.3 |
| 4 | Malaysia | 8.7 | 65 | Nepal | 5.3 |
| 5 | Canada | 8.3 | 65 | Serbia | 5.3 |
| 5 | Colombia | 8.3 | 65 | Taiwan, China | 5.3 |
| 5 | Ireland | 8.3 | 65 | Zambia | 5.3 |
| 5 | Israel | 8.3 | 80 | Armenia | 5.0 |
| 5 | United States | 8.3 | 80 | Bosnia and Herzegovina | 5.0 |
| 10 | Kazakhstan | 8.0 | 80 | China | 5.0 |
| 10 | South Africa | 8.0 | 80 | Czech Republic | 5.0 |
| 10 | United Kingdom | 8.0 | 80 | Germany | 5.0 |
| 13 | Kyrgyz Republic | 7.7 | 80 | Kenya | 5.0 |
| 13 | Mauritius | 7.7 | 80 | Lebanon | 5.0 |
| 13 | Thailand | 7.7 | 80 | Morocco | 5.0 |
| 16 | Albania | 7.3 | 80 | Nicaragua | 5.0 |
| 17 | Belgium | 7.0 | 80 | Oman | 5.0 |
| 17 | Georgia | 7.0 | 80 | Qatar | 5.0 |
| 17 | Japan | 7.0 | 80 | Spain | 5.0 |
| 17 | Macedonia, FYR | 7.0 | 80 | Tanzania | 5.0 |
| 17 | Peru | 7.0 | 80 | Uruguay | 5.0 |
| 17 | Puerto Rico | 7.0 | 94 | Argentina | 4.7 |
| 17 | Saudi Arabia | 7.0 | 94 | Moldova | 4.7 |
| 24 | Azerbaijan | 6.7 | 94 | Netherlands | 4.7 |
| 24 | Bangladesh | 6.7 | 94 | Panama | 4.7 |
| 24 | Norway | 6.7 | 94 | Russian Federation | 4.7 |
| 24 | Slovenia | 6.7 | 94 | Slovak Republic | 4.7 |
| 24 | Trinidad and Tobago | 6.7 | 94 | Ukraine | 4.7 |
| 29 | Chile | 6.3 | 101 | Brunei Darussalam | 4.3 |
| 29 | Cyprus | 6.3 | 101 | Cameroon | 4.3 |
| 29 | Denmark | 6.3 | 101 | Ethiopia | 4.3 |
| 29 | Kuwait | 6.3 | 101 | Hungary | 4.3 |
| 29 | Mongolia | 6.3 | 101 | Jordan | 4.3 |
| 29 | Montenegro | 6.3 | 101 | Luxembourg | 4.3 |
| 29 | Pakistan | 6.3 | 101 | Swaziland | 4.3 |
| 29 | Rwanda | 6.3 | 101 | United Arab Emirates | 4.3 |
| 29 | Sierra Leone | 6.3 | 101 | Zimbabwe | 4.3 |
| 29 | Sweden | 6.3 | 110 | Austria | 4.0 |
| 39 | Botswana | 6.0 | 110 | Bolivia | 4.0 |
| 39 | Bulgaria | 6.0 | 110 | Cape Verde | 4.0 |
| 39 | Burundi | 6.0 | 110 | Croatia | 4.0 |
| 39 | Ghana | 6.0 | 110 | Ecuador | 4.0 |
| 39 | Iceland | 6.0 | 110 | Guatemala | 4.0 |
| 39 | India | 6.0 | 110 | Philippines | 4.0 |
| 39 | Indonesia | 6.0 | 110 | Timor-Leste | 4.0 |
| 39 | Mexico | 6.0 | 110 | Uganda | 4.0 |
| 39 | Mozambique | 6.0 | 110 | Yemen | 4.0 |
| 39 | Poland | 6.0 | 120 | Burkina Faso | 3.7 |
| 39 | Portugal | 6.0 | 120 | Lesotho | 3.7 |
| 39 | Romania | 6.0 | 120 | Liberia | 3.7 |
| 39 | Sri Lanka | 6.0 | 120 | Mali | 3.7 |
| 52 | Australia | 5.7 | 120 | Mauritania | 3.7 |
| 52 | Dominican Republic | 5.7 | 125 | Benin | 3.3 |
| 52 | Estonia | 5.7 | 125 | Chad | 3.3 |
| 52 | Finland | 5.7 | 125 | Côte d'Ivoire | 3.3 |
| 52 | Italy | 5.7 | 125 | Gabon | 3.3 |
| 52 | Latvia | 5.7 | 125 | Greece | 3.3 |
| 52 | Lithuania | 5.7 | 130 | Costa Rica | 3.0 |
| 52 | Madagascar | 5.7 | 130 | El Salvador | 3.0 |
| 52 | Nigeria | 5.7 | 130 | Haiti | 3.0 |
| 52 | Paraguay | 5.7 | 130 | Honduras | 3.0 |
| 52 | Seychelles | 5.7 | 130 | Iran, Islamic Rep. | 3.0 |
| 52 | Tajikistan | 5.7 | 130 | Senegal | 3.0 |
| 52 | Turkey | 5.7 | 130 | Switzerland | 3.0 |
| 65 | Algeria | 5.3 | 130 | Vietnam | 3.0 |
| 65 | Bahrain | 5.3 | 138 | Gambia, The | 2.7 |
| 65 | Brazil | 5.3 | 138 | Guinea | 2.7 |
| 65 | Cambodia | 5.3 | 140 | Venezuela | 2.3 |
| 65 | Egypt | 5.3 | 141 | Suriname | 2.0 |
| 65 | France | 5.3 | n/a | Barbados | n/a |
| 65 | Guyana | 5.3 | n/a | Libya | n/a |
| 65 | Jamaica | 5.3 | n/a | Malta | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

Pillar 2

Infrastructure

2.01 Quality of overall infrastructure

How would you assess general infrastructure (e.g., transport, telephony, and energy) in your country? [1 = extremely underdeveloped; 7 = extensive and efficient by international standards] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.6 | | | | 73 | Swaziland | 4.2 | | | |
| 2 | Singapore | 6.5 | | | | 74 | Iran, Islamic Rep. | 4.2 | | | |
| 3 | Finland | 6.5 | | | | 75 | Liberia | 4.2 | | | |
| 4 | Hong Kong SAR | 6.5 | | | | 76 | Jamaica | 4.2 | | | |
| 5 | France | 6.4 | | | | 77 | Albania | 4.2 | | | |
| 6 | United Arab Emirates | 6.4 | | | | 78 | Kazakhstan | 4.1 | | | |
| 7 | Iceland | 6.3 | | | | 79 | Poland | 4.0 | | | |
| 8 | Austria | 6.3 | | | | 80 | Kenya | 4.0 | | | |
| 9 | Germany | 6.2 | | | | 81 | Uruguay | 4.0 | | | |
| 10 | Netherlands | 6.2 | | | | 82 | Italy | 3.9 | | | |
| 11 | Portugal | 6.2 | | | | 83 | Guyana | 3.9 | | | |
| 12 | Luxembourg | 6.2 | | | | 84 | Zambia | 3.9 | | | |
| 13 | Denmark | 6.0 | | | | 85 | Ecuador | 3.9 | | | |
| 14 | Bahrain | 6.0 | | | | 86 | Ghana | 3.9 | | | |
| 15 | Canada | 6.0 | | | | 87 | India | 3.8 | | | |
| 16 | Japan | 5.9 | | | | 88 | Egypt | 3.8 | | | |
| 17 | Belgium | 5.9 | | | | 89 | Mali | 3.8 | | | |
| 18 | Spain | 5.8 | | | | 90 | Tajikistan | 3.7 | | | |
| 19 | Sweden | 5.8 | | | | 91 | Macedonia, FYR | 3.7 | | | |
| 20 | Oman | 5.8 | | | | 92 | Indonesia | 3.7 | | | |
| 21 | Barbados | 5.8 | | | | 93 | Montenegro | 3.7 | | | |
| 22 | Korea, Rep. | 5.8 | | | | 94 | Cape Verde | 3.7 | | | |
| 23 | Saudi Arabia | 5.8 | | | | 95 | Costa Rica | 3.7 | | | |
| 24 | United Kingdom | 5.6 | | | | 96 | Dominican Republic | 3.7 | | | |
| 25 | United States | 5.6 | | | | 97 | Honduras | 3.7 | | | |
| 26 | Qatar | 5.5 | | | | 98 | Philippines | 3.6 | | | |
| 27 | Taiwan, China | 5.5 | | | | 99 | Côte d'Ivoire | 3.6 | | | |
| 28 | Czech Republic | 5.5 | | | | 100 | Ethiopia | 3.6 | | | |
| 29 | Malaysia | 5.4 | | | | 101 | Russian Federation | 3.5 | | | |
| 30 | Slovenia | 5.4 | | | | 102 | Algeria | 3.5 | | | |
| 31 | Chile | 5.4 | | | | 103 | Kyrgyz Republic | 3.4 | | | |
| 32 | Estonia | 5.4 | | | | 104 | Lesotho | 3.4 | | | |
| 33 | Cyprus | 5.3 | | | | 105 | Pakistan | 3.4 | | | |
| 34 | Turkey | 5.3 | | | | 106 | Nicaragua | 3.4 | | | |
| 35 | Malta | 5.2 | | | | 107 | Brazil | 3.4 | | | |
| 36 | Australia | 5.2 | | | | 108 | Colombia | 3.4 | | | |
| 37 | Ireland | 5.2 | | | | 109 | Senegal | 3.4 | | | |
| 38 | Croatia | 5.2 | | | | 110 | Uganda | 3.4 | | | |
| 39 | Norway | 5.2 | | | | 111 | Peru | 3.4 | | | |
| 40 | Namibia | 5.1 | | | | 112 | Argentina | 3.4 | | | |
| 41 | Jordan | 5.1 | | | | 113 | Moldova | 3.3 | | | |
| 42 | Lithuania | 5.1 | | | | 114 | Gabon | 3.3 | | | |
| 43 | Brunei Darussalam | 5.1 | | | | 115 | Bulgaria | 3.3 | | | |
| 44 | Panama | 5.1 | | | | 116 | Malawi | 3.2 | | | |
| 45 | Israel | 5.0 | | | | 117 | Nigeria | 3.2 | | | |
| 46 | Puerto Rico | 5.0 | | | | 118 | Bolivia | 3.2 | | | |
| 47 | New Zealand | 4.9 | | | | 119 | Vietnam | 3.2 | | | |
| 48 | Rwanda | 4.9 | | | | 120 | Serbia | 3.2 | | | |
| 49 | Thailand | 4.9 | | | | 121 | Benin | 3.2 | | | |
| 50 | Sri Lanka | 4.8 | | | | 122 | Cameroon | 3.2 | | | |
| 51 | Hungary | 4.8 | | | | 123 | Zimbabwe | 3.2 | | | |
| 52 | Morocco | 4.8 | | | | 124 | Tanzania | 3.1 | | | |
| 53 | Mauritius | 4.7 | | | | 125 | Madagascar | 3.0 | | | |
| 54 | Seychelles | 4.7 | | | | 126 | Mozambique | 3.0 | | | |
| 55 | Georgia | 4.6 | | | | 127 | Sierra Leone | 2.9 | | | |
| 56 | Ukraine | 4.6 | | | | 128 | Libya | 2.9 | | | |
| 57 | Latvia | 4.6 | | | | 129 | Nepal | 2.9 | | | |
| 58 | South Africa | 4.5 | | | | 130 | Yemen | 2.8 | | | |
| 59 | Azerbaijan | 4.5 | | | | 131 | Bangladesh | 2.8 | | | |
| 60 | Kuwait | 4.5 | | | | 132 | Romania | 2.8 | | | |
| 61 | Greece | 4.5 | | | | 133 | Mauritania | 2.8 | | | |
| 62 | Trinidad and Tobago | 4.5 | | | | 134 | Chad | 2.8 | | | |
| 63 | Gambia, The | 4.5 | | | | 135 | Venezuela | 2.8 | | | |
| 64 | Botswana | 4.4 | | | | 136 | Burkina Faso | 2.7 | | | |
| 65 | Mexico | 4.4 | | | | 137 | Mongolia | 2.7 | | | |
| 66 | El Salvador | 4.4 | | | | 138 | Timor-Leste | 2.7 | | | |
| 67 | Guatemala | 4.4 | | | | 139 | Bosnia and Herzegovina | 2.7 | | | |
| 68 | Suriname | 4.3 | | | | 140 | Paraguay | 2.6 | | | |
| 69 | China | 4.3 | | | | 141 | Lebanon | 2.4 | | | |
| 70 | Slovak Republic | 4.3 | | | | 142 | Burundi | 2.3 | | | |
| 71 | Armenia | 4.3 | | | | 143 | Guinea | 2.1 | | | |
| 72 | Cambodia | 4.2 | | | | 144 | Haiti | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

2.02 Quality of roads

How would you assess the roads in your country? [1 = extremely underdeveloped; 7 = extensive and efficient by international standards] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | France | 6.5 | | | | 73 | Pakistan | 3.9 | | | |
| 2 | United Arab Emirates | 6.5 | | | | 74 | Trinidad and Tobago | 3.8 | | | |
| 3 | Singapore | 6.5 | | | | 75 | Nicaragua | 3.8 | | | |
| 4 | Portugal | 6.4 | | | | 76 | Liberia | 3.8 | | | |
| 5 | Oman | 6.4 | | | | 77 | Czech Republic | 3.7 | | | |
| 6 | Switzerland | 6.4 | | | | 78 | Slovak Republic | 3.7 | | | |
| 7 | Austria | 6.3 | | | | 79 | Guyana | 3.7 | | | |
| 8 | Hong Kong SAR | 6.3 | | | | 80 | Armenia | 3.7 | | | |
| 9 | Finland | 6.1 | | | | 81 | Uruguay | 3.6 | | | |
| 10 | Germany | 6.1 | | | | 82 | Mali | 3.6 | | | |
| 11 | Netherlands | 6.0 | | | | 83 | Jamaica | 3.6 | | | |
| 12 | Saudi Arabia | 6.0 | | | | 84 | Norway | 3.6 | | | |
| 13 | Spain | 5.9 | | | | 85 | Ghana | 3.5 | | | |
| 14 | Japan | 5.9 | | | | 86 | India | 3.5 | | | |
| 15 | Luxembourg | 5.9 | | | | 87 | Philippines | 3.4 | | | |
| 16 | Canada | 5.9 | | | | 88 | Algeria | 3.4 | | | |
| 17 | Korea, Rep. | 5.8 | | | | 89 | Malawi | 3.4 | | | |
| 18 | Bahrain | 5.8 | | | | 90 | Indonesia | 3.4 | | | |
| 19 | Denmark | 5.7 | | | | 91 | Guatemala | 3.3 | | | |
| 20 | United States | 5.7 | | | | 92 | Honduras | 3.3 | | | |
| 21 | Taiwan, China | 5.7 | | | | 93 | Montenegro | 3.2 | | | |
| 22 | Cyprus | 5.6 | | | | 94 | Tanzania | 3.2 | | | |
| 23 | Chile | 5.6 | | | | 95 | Zimbabwe | 3.2 | | | |
| 24 | United Kingdom | 5.6 | | | | 96 | Zambia | 3.2 | | | |
| 25 | Sweden | 5.6 | | | | 97 | Senegal | 3.2 | | | |
| 26 | Belgium | 5.5 | | | | 98 | Tajikistan | 3.2 | | | |
| 27 | Malaysia | 5.4 | | | | 99 | Latvia | 3.2 | | | |
| 28 | Ireland | 5.4 | | | | 100 | Peru | 3.1 | | | |
| 29 | Croatia | 5.3 | | | | 101 | Bolivia | 3.1 | | | |
| 30 | Brunei Darussalam | 5.2 | | | | 102 | Libya | 3.1 | | | |
| 31 | Iceland | 5.2 | | | | 103 | Chad | 3.1 | | | |
| 32 | Lithuania | 5.2 | | | | 104 | Benin | 3.1 | | | |
| 33 | Barbados | 5.2 | | | | 105 | Malta | 3.1 | | | |
| 34 | Qatar | 5.1 | | | | 106 | Argentina | 3.0 | | | |
| 35 | Namibia | 5.1 | | | | 107 | Côte d'Ivoire | 3.0 | | | |
| 36 | Australia | 5.1 | | | | 108 | Macedonia, FYR | 3.0 | | | |
| 37 | Puerto Rico | 5.0 | | | | 109 | Egypt | 2.9 | | | |
| 38 | Slovenia | 5.0 | | | | 110 | Uganda | 2.9 | | | |
| 39 | Thailand | 5.0 | | | | 111 | Lesotho | 2.9 | | | |
| 40 | Rwanda | 5.0 | | | | 112 | Cameroon | 2.9 | | | |
| 41 | New Zealand | 4.9 | | | | 113 | Bangladesh | 2.8 | | | |
| 42 | South Africa | 4.9 | | | | 114 | Nigeria | 2.8 | | | |
| 43 | Turkey | 4.9 | | | | 115 | Lebanon | 2.8 | | | |
| 44 | Kuwait | 4.9 | | | | 116 | Sierra Leone | 2.8 | | | |
| 45 | Jordan | 4.8 | | | | 117 | Kazakhstan | 2.7 | | | |
| 46 | Israel | 4.7 | | | | 118 | Yemen | 2.7 | | | |
| 47 | Swaziland | 4.6 | | | | 119 | Mauritania | 2.7 | | | |
| 48 | Sri Lanka | 4.6 | | | | 120 | Vietnam | 2.7 | | | |
| 49 | Panama | 4.5 | | | | 121 | Burundi | 2.7 | | | |
| 50 | Mexico | 4.5 | | | | 122 | Serbia | 2.7 | | | |
| 51 | Gambia, The | 4.5 | | | | 123 | Brazil | 2.7 | | | |
| 52 | El Salvador | 4.5 | | | | 124 | Poland | 2.6 | | | |
| 53 | Ecuador | 4.4 | | | | 125 | Burkina Faso | 2.6 | | | |
| 54 | China | 4.4 | | | | 126 | Colombia | 2.6 | | | |
| 55 | Botswana | 4.4 | | | | 127 | Nepal | 2.6 | | | |
| 56 | Georgia | 4.4 | | | | 128 | Venezuela | 2.6 | | | |
| 57 | Italy | 4.3 | | | | 129 | Bulgaria | 2.5 | | | |
| 58 | Mauritius | 4.3 | | | | 130 | Madagascar | 2.5 | | | |
| 59 | Albania | 4.3 | | | | 131 | Costa Rica | 2.5 | | | |
| 60 | Seychelles | 4.3 | | | | 132 | Paraguay | 2.5 | | | |
| 61 | Estonia | 4.2 | | | | 133 | Kyrgyz Republic | 2.5 | | | |
| 62 | Dominican Republic | 4.2 | | | | 134 | Bosnia and Herzegovina | 2.5 | | | |
| 63 | Suriname | 4.1 | | | | 135 | Mozambique | 2.4 | | | |
| 64 | Ethiopia | 4.1 | | | | 136 | Russian Federation | 2.3 | | | |
| 65 | Cape Verde | 4.1 | | | | 137 | Ukraine | 2.3 | | | |
| 66 | Cambodia | 4.0 | | | | 138 | Gabon | 2.3 | | | |
| 67 | Azerbaijan | 4.0 | | | | 139 | Timor-Leste | 2.2 | | | |
| 68 | Iran, Islamic Rep. | 4.0 | | | | 140 | Guinea | 2.0 | | | |
| 69 | Hungary | 4.0 | | | | 141 | Mongolia | 2.0 | | | |
| 70 | Morocco | 4.0 | | | | 142 | Romania | 1.9 | | | |
| 71 | Greece | 4.0 | | | | 143 | Haiti | 1.8 | | | |
| 72 | Kenya | 3.9 | | | | 144 | Moldova | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

2.03 Quality of railroad infrastructure

How would you assess the railroad system in your country? [1 = extremely underdeveloped; 7 = extensive and efficient by international standards] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.1 | 7 |
|------|--------------------|-------|---|----------|---|------|------------------------|---------|---|----------|---|
| 1 | Switzerland | 6.8 | | | | 73 | Bangladesh | 2.5 | | | |
| 2 | Japan | 6.6 | | | | 74 | Bosnia and Herzegovina | 2.5 | | | |
| 3 | Hong Kong SAR | 6.4 | | | | 75 | Cameroon | 2.5 | | | |
| 4 | France | 6.3 | | | | 76 | Zimbabwe | 2.4 | | | |
| 5 | Singapore | 5.7 | | | | 77 | Poland | 2.4 | | | |
| 6 | Finland | 5.7 | | | | 78 | Ecuador | 2.3 | | | |
| 7 | Germany | 5.7 | | | | 79 | Kyrgyz Republic | 2.3 | | | |
| 8 | Spain | 5.7 | | | | 80 | Zambia | 2.3 | | | |
| 9 | Netherlands | 5.7 | | | | 81 | Cambodia | 2.3 | | | |
| 10 | Korea, Rep. | 5.6 | | | | 82 | Tanzania | 2.3 | | | |
| 11 | Taiwan, China | 5.5 | | | | 83 | Romania | 2.2 | | | |
| 12 | Austria | 5.3 | | | | 84 | Malawi | 2.2 | | | |
| 13 | Belgium | 5.2 | | | | 85 | Nicaragua | 2.2 | | | |
| 14 | Luxembourg | 5.2 | | | | 86 | Puerto Rico | 2.1 | | | |
| 15 | Canada | 5.0 | | | | 87 | Côte d'Ivoire | 2.1 | | | |
| 16 | United Kingdom | 5.0 | | | | 88 | Brunei Darussalam | 2.1 | | | |
| 17 | Malaysia | 4.9 | | | | 89 | Mozambique | 2.0 | | | |
| 18 | United States | 4.8 | | | | 90 | Algeria | 2.0 | | | |
| 19 | Denmark | 4.8 | | | | 91 | Mauritania | 2.0 | | | |
| 20 | Lithuania | 4.7 | | | | 92 | Burkina Faso | 2.0 | | | |
| 21 | Sweden | 4.7 | | | | 93 | Macedonia, FYR | 1.9 | | | |
| 22 | China | 4.6 | | | | 94 | Philippines | 1.9 | | | |
| 23 | Czech Republic | 4.6 | | | | 95 | Nigeria | 1.9 | | | |
| 24 | Ukraine | 4.5 | | | | 96 | Jordan | 1.9 | | | |
| 25 | Slovak Republic | 4.5 | | | | 97 | Peru | 1.9 | | | |
| 26 | Portugal | 4.5 | | | | 98 | Madagascar | 1.9 | | | |
| 27 | India | 4.4 | | | | 99 | Guyana | 1.8 | | | |
| 28 | Australia | 4.3 | | | | 100 | Brazil | 1.8 | | | |
| 29 | Kazakhstan | 4.3 | | | | 101 | El Salvador | 1.8 | | | |
| 30 | Russian Federation | 4.2 | | | | 102 | Serbia | 1.7 | | | |
| 31 | Ireland | 4.1 | | | | 103 | Argentina | 1.7 | | | |
| 32 | Panama | 4.0 | | | | 104 | Ghana | 1.7 | | | |
| 33 | Latvia | 4.0 | | | | 105 | Senegal | 1.7 | | | |
| 34 | Georgia | 4.0 | | | | 106 | Costa Rica | 1.7 | | | |
| 35 | Azerbaijan | 3.9 | | | | 107 | Benin | 1.6 | | | |
| 36 | Morocco | 3.9 | | | | 108 | Guinea | 1.6 | | | |
| 37 | Sri Lanka | 3.8 | | | | 109 | Colombia | 1.6 | | | |
| 38 | Saudi Arabia | 3.7 | | | | 110 | Lesotho | 1.6 | | | |
| 39 | Namibia | 3.7 | | | | 111 | Uganda | 1.4 | | | |
| 40 | Italy | 3.6 | | | | 112 | Ethiopia | 1.4 | | | |
| 41 | New Zealand | 3.6 | | | | 113 | Venezuela | 1.4 | | | |
| 42 | Hungary | 3.5 | | | | 114 | Sierra Leone | 1.3 | | | |
| 43 | Tajikistan | 3.5 | | | | 115 | Uruguay | 1.3 | | | |
| 44 | Estonia | 3.5 | | | | 116 | Haiti | 1.3 | | | |
| 45 | Iran, Islamic Rep. | 3.4 | | | | 117 | Jamaica | 1.3 | | | |
| 46 | South Africa | 3.4 | | | | 118 | Guatemala | 1.2 | | | |
| 47 | Norway | 3.3 | | | | 119 | Albania | 1.2 | | | |
| 48 | Swaziland | 3.2 | | | | 120 | Honduras | 1.1 | | | |
| 49 | Croatia | 3.2 | | | | 121 | Suriname | 1.1 | | | |
| 50 | Israel | 3.2 | | | | 122 | Nepal | 1.1 | | | |
| 51 | Indonesia | 3.2 | | | | 123 | Paraguay | 1.1 | | | |
| 52 | Egypt | 3.1 | | | | 124 | Lebanon | 1.0 | | | |
| 53 | Turkey | 3.1 | | | | n/a | Bahrain | n/appl. | | | |
| 54 | Slovenia | 3.1 | | | | n/a | Barbados | n/appl. | | | |
| 55 | Botswana | 3.1 | | | | n/a | Burundi | n/appl. | | | |
| 56 | Bulgaria | 3.0 | | | | n/a | Cape Verde | n/appl. | | | |
| 57 | Bolivia | 3.0 | | | | n/a | Chad | n/appl. | | | |
| 58 | Montenegro | 2.9 | | | | n/a | Cyprus | n/appl. | | | |
| 59 | Liberia | 2.9 | | | | n/a | Gambia, The | n/appl. | | | |
| 60 | Mexico | 2.8 | | | | n/a | Iceland | n/appl. | | | |
| 61 | Mali | 2.7 | | | | n/a | Kuwait | n/appl. | | | |
| 62 | Dominican Republic | 2.7 | | | | n/a | Libya | n/appl. | | | |
| 63 | Armenia | 2.6 | | | | n/a | Malta | n/appl. | | | |
| 64 | Chile | 2.6 | | | | n/a | Mauritius | n/appl. | | | |
| 65 | Thailand | 2.6 | | | | n/a | Oman | n/appl. | | | |
| 66 | Pakistan | 2.6 | | | | n/a | Qatar | n/appl. | | | |
| 67 | Gabon | 2.6 | | | | n/a | Rwanda | n/appl. | | | |
| 68 | Vietnam | 2.6 | | | | n/a | Seychelles | n/appl. | | | |
| 69 | Greece | 2.5 | | | | n/a | Timor-Leste | n/appl. | | | |
| 70 | Moldova | 2.5 | | | | n/a | Trinidad and Tobago | n/appl. | | | |
| 71 | Mongolia | 2.5 | | | | n/a | United Arab Emirates | n/appl. | | | |
| 72 | Kenya | 2.5 | | | | n/a | Yemen | n/appl. | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

NOTE: n/appl. is used for economies where the railroad network totals less than 50 km.

2.04 Quality of port infrastructure

How would you assess the port facilities in your country? [1 = extremely underdeveloped; 7 = well developed and efficient by international standards]. For landlocked countries, the question is as follows: How accessible are port facilities? [1 = extremely inaccessible; 7 = extremely accessible] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|-----------------------------|-------|---|----------|---|------|------------------------------|-------|---|----------|---|
| 1 | Netherlands | 6.8 | | | | 73 | Kuwait | 4.1 | | | |
| 2 | Singapore | 6.8 | | | | 74 | Mali ¹ | 4.1 | | | |
| 3 | Hong Kong SAR | 6.5 | | | | 75 | Ukraine | 4.0 | | | |
| 4 | Panama | 6.4 | | | | 76 | Ghana | 4.0 | | | |
| 5 | United Arab Emirates | 6.4 | | | | 77 | Croatia | 4.0 | | | |
| 6 | Belgium | 6.3 | | | | 78 | Azerbaijan ¹ | 4.0 | | | |
| 7 | Finland | 6.3 | | | | 79 | Egypt | 4.0 | | | |
| 8 | Iceland | 6.2 | | | | 80 | India | 4.0 | | | |
| 9 | Germany | 6.0 | | | | 81 | Iran, Islamic Rep. | 4.0 | | | |
| 10 | Bahrain | 6.0 | | | | 82 | Slovak Republic ¹ | 4.0 | | | |
| 11 | Sweden | 5.9 | | | | 83 | Hungary ¹ | 4.0 | | | |
| 12 | United Kingdom | 5.8 | | | | 84 | Guatemala | 4.0 | | | |
| 13 | Denmark | 5.8 | | | | 85 | Cape Verde | 3.9 | | | |
| 14 | Spain | 5.8 | | | | 86 | El Salvador | 3.9 | | | |
| 15 | Malta | 5.7 | | | | 87 | Israel | 3.9 | | | |
| 16 | Canada | 5.7 | | | | 88 | Ecuador | 3.9 | | | |
| 17 | Barbados | 5.6 | | | | 89 | Italy | 3.9 | | | |
| 18 | Estonia | 5.6 | | | | 90 | Uganda ¹ | 3.8 | | | |
| 19 | United States | 5.6 | | | | 91 | Kenya | 3.8 | | | |
| 20 | Korea, Rep. | 5.5 | | | | 92 | Trinidad and Tobago | 3.8 | | | |
| 21 | Malaysia | 5.5 | | | | 93 | Russian Federation | 3.7 | | | |
| 22 | New Zealand | 5.5 | | | | 94 | Malawi ¹ | 3.7 | | | |
| 23 | Luxembourg ¹ | 5.5 | | | | 95 | Benin | 3.7 | | | |
| 24 | Oman | 5.4 | | | | 96 | Albania | 3.7 | | | |
| 25 | Norway | 5.4 | | | | 97 | Botswana ¹ | 3.7 | | | |
| 26 | France | 5.4 | | | | 98 | Mauritania | 3.7 | | | |
| 27 | Namibia | 5.4 | | | | 99 | Cameroon | 3.7 | | | |
| 28 | Saudi Arabia | 5.3 | | | | 100 | Bulgaria | 3.7 | | | |
| 29 | Taiwan, China | 5.3 | | | | 101 | Argentina | 3.6 | | | |
| 30 | Ireland | 5.3 | | | | 102 | Montenegro | 3.6 | | | |
| 31 | Japan | 5.2 | | | | 103 | Burkina Faso ¹ | 3.6 | | | |
| 32 | Puerto Rico | 5.2 | | | | 104 | Indonesia | 3.6 | | | |
| 33 | Slovenia | 5.2 | | | | 105 | Paraguay ¹ | 3.6 | | | |
| 34 | Chile | 5.2 | | | | 106 | Nigeria | 3.6 | | | |
| 35 | Lithuania | 5.2 | | | | 107 | Guinea | 3.5 | | | |
| 36 | Qatar | 5.2 | | | | 108 | Poland | 3.5 | | | |
| 37 | Switzerland ¹ | 5.2 | | | | 109 | Rwanda ¹ | 3.5 | | | |
| 38 | Australia | 5.1 | | | | 110 | Ethiopia ¹ | 3.5 | | | |
| 39 | Jamaica | 5.1 | | | | 111 | Peru | 3.5 | | | |
| 40 | Portugal | 5.0 | | | | 112 | Libya | 3.5 | | | |
| 41 | Cyprus | 5.0 | | | | 113 | Vietnam | 3.4 | | | |
| 42 | Suriname | 5.0 | | | | 114 | Lesotho ¹ | 3.4 | | | |
| 43 | Seychelles | 5.0 | | | | 115 | Kazakhstan ¹ | 3.4 | | | |
| 44 | Austria ¹ | 4.9 | | | | 116 | Mozambique | 3.4 | | | |
| 45 | Sri Lanka | 4.9 | | | | 117 | Tanzania | 3.3 | | | |
| 46 | Uruguay | 4.9 | | | | 118 | Sierra Leone | 3.3 | | | |
| 47 | Gambia, The | 4.8 | | | | 119 | Guyana | 3.3 | | | |
| 48 | Mauritius | 4.8 | | | | 120 | Philippines | 3.3 | | | |
| 49 | Morocco | 4.8 | | | | 121 | Bangladesh | 3.3 | | | |
| 50 | Latvia | 4.8 | | | | 122 | Bolivia ¹ | 3.3 | | | |
| 51 | Dominican Republic | 4.7 | | | | 123 | Madagascar | 3.2 | | | |
| 52 | South Africa | 4.7 | | | | 124 | Nicaragua | 3.2 | | | |
| 53 | Côte d'Ivoire | 4.6 | | | | 125 | Colombia | 3.2 | | | |
| 54 | Czech Republic ¹ | 4.6 | | | | 126 | Mongolia ¹ | 3.0 | | | |
| 55 | Honduras | 4.6 | | | | 127 | Armenia ¹ | 3.0 | | | |
| 56 | Thailand | 4.6 | | | | 128 | Yemen | 3.0 | | | |
| 57 | Brunei Darussalam | 4.5 | | | | 129 | Moldova ¹ | 3.0 | | | |
| 58 | Senegal | 4.5 | | | | 130 | Chad ¹ | 2.8 | | | |
| 59 | China | 4.4 | | | | 131 | Algeria | 2.7 | | | |
| 60 | Pakistan | 4.4 | | | | 132 | Timor-Leste | 2.7 | | | |
| 61 | Zimbabwe ¹ | 4.4 | | | | 133 | Nepal ¹ | 2.7 | | | |
| 62 | Jordan | 4.4 | | | | 134 | Serbia ¹ | 2.7 | | | |
| 63 | Turkey | 4.4 | | | | 135 | Brazil | 2.6 | | | |
| 64 | Mexico | 4.3 | | | | 136 | Burundi ¹ | 2.6 | | | |
| 65 | Georgia | 4.3 | | | | 137 | Romania | 2.6 | | | |
| 66 | Greece | 4.2 | | | | 138 | Gabon | 2.6 | | | |
| 67 | Macedonia, FYR ¹ | 4.2 | | | | 139 | Venezuela | 2.5 | | | |
| 68 | Swaziland ¹ | 4.2 | | | | 140 | Costa Rica | 2.4 | | | |
| 69 | Cambodia | 4.2 | | | | 141 | Haiti | 1.9 | | | |
| 70 | Zambia ¹ | 4.1 | | | | 142 | Bosnia and Herzegovina | 1.7 | | | |
| 71 | Lebanon | 4.1 | | | | 143 | Tajikistan ¹ | 1.7 | | | |
| 72 | Liberia | 4.1 | | | | 144 | Kyrgyz Republic ¹ | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

¹ Landlocked

2.05 Quality of air transport infrastructure

How would you assess passenger air transport infrastructure in your country? [1 = extremely underdeveloped; 7 = extensive and efficient by international standards] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.8 | | | | 73 | Estonia | 4.5 | | | |
| 2 | Hong Kong SAR | 6.7 | | | | 74 | Peru | 4.5 | | | |
| 3 | United Arab Emirates | 6.6 | | | | 75 | Cambodia | 4.4 | | | |
| 4 | Netherlands | 6.6 | | | | 76 | Montenegro | 4.4 | | | |
| 5 | Switzerland | 6.5 | | | | 77 | Senegal | 4.4 | | | |
| 6 | Panama | 6.4 | | | | 78 | Pakistan | 4.3 | | | |
| 7 | Germany | 6.4 | | | | 79 | Croatia | 4.3 | | | |
| 8 | Barbados | 6.3 | | | | 80 | Ecuador | 4.3 | | | |
| 9 | Iceland | 6.2 | | | | 81 | Cape Verde | 4.3 | | | |
| 10 | France | 6.2 | | | | 82 | Georgia | 4.3 | | | |
| 11 | Finland | 6.2 | | | | 83 | Côte d'Ivoire | 4.3 | | | |
| 12 | New Zealand | 6.2 | | | | 84 | Rwanda | 4.3 | | | |
| 13 | Norway | 6.2 | | | | 85 | Ukraine | 4.3 | | | |
| 14 | Belgium | 6.2 | | | | 86 | Lithuania | 4.2 | | | |
| 15 | South Africa | 6.1 | | | | 87 | Kuwait | 4.2 | | | |
| 16 | Bahrain | 6.0 | | | | 88 | Tajikistan | 4.2 | | | |
| 17 | Spain | 6.0 | | | | 89 | Indonesia | 4.2 | | | |
| 18 | Qatar | 6.0 | | | | 90 | Nicaragua | 4.2 | | | |
| 19 | Denmark | 6.0 | | | | 91 | Hungary | 4.2 | | | |
| 20 | Sweden | 6.0 | | | | 92 | Mali | 4.2 | | | |
| 21 | Czech Republic | 6.0 | | | | 93 | Guyana | 4.1 | | | |
| 22 | United Kingdom | 6.0 | | | | 94 | Vietnam | 4.1 | | | |
| 23 | Canada | 5.9 | | | | 95 | Kazakhstan | 4.1 | | | |
| 24 | Malaysia | 5.9 | | | | 96 | Botswana | 4.1 | | | |
| 25 | Malta | 5.9 | | | | 97 | Ghana | 4.1 | | | |
| 26 | Korea, Rep. | 5.9 | | | | 98 | Liberia | 4.0 | | | |
| 27 | Luxembourg | 5.8 | | | | 99 | Suriname | 4.0 | | | |
| 28 | Puerto Rico | 5.8 | | | | 100 | Nigeria | 4.0 | | | |
| 29 | Australia | 5.8 | | | | 101 | Bulgaria | 4.0 | | | |
| 30 | United States | 5.8 | | | | 102 | Zambia | 3.9 | | | |
| 31 | Austria | 5.8 | | | | 103 | Mozambique | 3.9 | | | |
| 32 | Ireland | 5.7 | | | | 104 | Russian Federation | 3.8 | | | |
| 33 | Thailand | 5.7 | | | | 105 | Poland | 3.8 | | | |
| 34 | Saudi Arabia | 5.7 | | | | 106 | Colombia | 3.8 | | | |
| 35 | Portugal | 5.6 | | | | 107 | Uganda | 3.8 | | | |
| 36 | Turkey | 5.6 | | | | 108 | Gabon | 3.7 | | | |
| 37 | Jamaica | 5.5 | | | | 109 | Cameroon | 3.7 | | | |
| 38 | Jordan | 5.5 | | | | 110 | Guinea | 3.6 | | | |
| 39 | Chile | 5.5 | | | | 111 | Macedonia, FYR | 3.6 | | | |
| 40 | Oman | 5.5 | | | | 112 | Philippines | 3.6 | | | |
| 41 | Dominican Republic | 5.4 | | | | 113 | Moldova | 3.6 | | | |
| 42 | El Salvador | 5.4 | | | | 114 | Madagascar | 3.6 | | | |
| 43 | Cyprus | 5.4 | | | | 115 | Argentina | 3.5 | | | |
| 44 | Taiwan, China | 5.4 | | | | 116 | Swaziland | 3.5 | | | |
| 45 | Greece | 5.3 | | | | 117 | Tanzania | 3.5 | | | |
| 46 | Japan | 5.3 | | | | 118 | Bolivia | 3.5 | | | |
| 47 | Latvia | 5.3 | | | | 119 | Yemen | 3.5 | | | |
| 48 | Israel | 5.3 | | | | 120 | Bangladesh | 3.5 | | | |
| 49 | Mauritius | 5.2 | | | | 121 | Romania | 3.4 | | | |
| 50 | Ethiopia | 5.1 | | | | 122 | Zimbabwe | 3.4 | | | |
| 51 | Lebanon | 5.1 | | | | 123 | Benin | 3.4 | | | |
| 52 | Morocco | 5.1 | | | | 124 | Slovak Republic | 3.4 | | | |
| 53 | Azerbaijan | 5.0 | | | | 125 | Algeria | 3.3 | | | |
| 54 | Egypt | 5.0 | | | | 126 | Venezuela | 3.3 | | | |
| 55 | Seychelles | 5.0 | | | | 127 | Burkina Faso | 3.3 | | | |
| 56 | Trinidad and Tobago | 5.0 | | | | 128 | Mongolia | 3.3 | | | |
| 57 | Sri Lanka | 5.0 | | | | 129 | Libya | 3.3 | | | |
| 58 | Guatemala | 4.9 | | | | 130 | Serbia | 3.2 | | | |
| 59 | Namibia | 4.9 | | | | 131 | Nepal | 3.2 | | | |
| 60 | Costa Rica | 4.9 | | | | 132 | Iran, Islamic Rep. | 3.1 | | | |
| 61 | Brunei Darussalam | 4.9 | | | | 133 | Malawi | 3.1 | | | |
| 62 | Gambia, The | 4.9 | | | | 134 | Brazil | 3.0 | | | |
| 63 | Uruguay | 4.9 | | | | 135 | Kyrgyz Republic | 2.9 | | | |
| 64 | Mexico | 4.8 | | | | 136 | Chad | 2.9 | | | |
| 65 | Kenya | 4.8 | | | | 137 | Timor-Leste | 2.9 | | | |
| 66 | Albania | 4.8 | | | | 138 | Mauritania | 2.8 | | | |
| 67 | Italy | 4.7 | | | | 139 | Burundi | 2.8 | | | |
| 68 | India | 4.7 | | | | 140 | Sierra Leone | 2.7 | | | |
| 69 | Armenia | 4.7 | | | | 141 | Paraguay | 2.5 | | | |
| 70 | China | 4.5 | | | | 142 | Lesotho | 2.5 | | | |
| 71 | Honduras | 4.5 | | | | 143 | Bosnia and Herzegovina | 2.3 | | | |
| 72 | Slovenia | 4.5 | | | | 144 | Haiti | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

2.06 Available airline seat kilometers

Scheduled available airline seat kilometers per week originating in country (in millions) | 2012

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|----------|------|------------------------|-------|
| 1 | United States | 32,294.3 | 73 | Jamaica | 134.8 |
| 2 | China | 11,685.5 | 74 | Costa Rica | 130.3 |
| 3 | United Kingdom | 6,269.5 | 75 | Hungary | 118.5 |
| 4 | Japan | 5,097.2 | 76 | Iceland | 102.3 |
| 5 | Germany | 4,754.7 | 77 | Ghana | 98.6 |
| 6 | Australia | 4,092.4 | 78 | Bulgaria | 94.7 |
| 7 | Brazil | 3,756.6 | 79 | El Salvador | 87.5 |
| 8 | France | 3,717.5 | 80 | Senegal | 86.9 |
| 9 | Spain | 3,660.0 | 81 | Nepal | 86.2 |
| 10 | United Arab Emirates | 3,633.6 | 82 | Barbados | 82.2 |
| 11 | Canada | 3,324.5 | 83 | Tanzania | 80.2 |
| 12 | Russian Federation | 3,280.5 | 84 | Azerbaijan | 77.4 |
| 13 | India | 3,246.9 | 85 | Croatia | 75.4 |
| 14 | Hong Kong SAR | 2,396.3 | 86 | Latvia | 70.8 |
| 15 | Italy | 2,321.7 | 87 | Tajikistan | 69.4 |
| 16 | Singapore | 2,295.9 | 88 | Malta | 65.9 |
| 17 | Thailand | 2,286.1 | 89 | Uruguay | 65.1 |
| 18 | Korea, Rep. | 2,090.8 | 90 | Cambodia | 63.1 |
| 19 | Turkey | 1,817.6 | 91 | Trinidad and Tobago | 60.3 |
| 20 | Indonesia | 1,794.9 | 92 | Serbia | 57.9 |
| 21 | Mexico | 1,702.9 | 93 | Bolivia | 57.7 |
| 22 | Netherlands | 1,702.1 | 94 | Kyrgyz Republic | 50.1 |
| 23 | Malaysia | 1,465.8 | 95 | Madagascar | 50.1 |
| 24 | South Africa | 1,146.3 | 96 | Armenia | 49.4 |
| 25 | Saudi Arabia | 1,065.4 | 97 | Lithuania | 48.7 |
| 26 | Philippines | 970.2 | 98 | Brunei Darussalam | 46.6 |
| 27 | Taiwan, China | 944.7 | 99 | Cameroon | 45.2 |
| 28 | Switzerland | 918.8 | 100 | Guatemala | 45.1 |
| 29 | Qatar | 894.1 | 101 | Libya | 44.8 |
| 30 | Argentina | 772.3 | 102 | Uganda | 43.3 |
| 31 | New Zealand | 706.3 | 103 | Cape Verde | 36.2 |
| 32 | Portugal | 694.2 | 104 | Yemen | 35.5 |
| 33 | Vietnam | 674.5 | 105 | Namibia | 34.5 |
| 34 | Egypt | 668.1 | 106 | Côte d'Ivoire | 33.4 |
| 35 | Belgium | 567.9 | 107 | Mozambique | 31.0 |
| 36 | Greece | 544.8 | 108 | Zambia | 31.0 |
| 37 | Chile | 534.3 | 109 | Mongolia | 30.1 |
| 38 | Norway | 488.3 | 110 | Georgia | 29.4 |
| 39 | Colombia | 487.1 | 111 | Honduras | 27.2 |
| 40 | Israel | 482.4 | 112 | Estonia | 25.8 |
| 41 | Sweden | 463.6 | 113 | Haiti | 24.4 |
| 42 | Peru | 452.0 | 114 | Suriname | 24.1 |
| 43 | Denmark | 441.5 | 115 | Mali | 23.6 |
| 44 | Puerto Rico | 439.6 | 116 | Seychelles | 23.6 |
| 45 | Austria | 431.1 | 117 | Gabon | 22.5 |
| 46 | Morocco | 402.1 | 118 | Albania | 22.4 |
| 47 | Ireland | 400.9 | 119 | Luxembourg | 21.8 |
| 48 | Finland | 396.1 | 120 | Benin | 20.9 |
| 49 | Pakistan | 390.2 | 121 | Nicaragua | 19.6 |
| 50 | Dominican Republic | 332.1 | 122 | Paraguay | 19.5 |
| 51 | Nigeria | 308.3 | 123 | Moldova | 16.9 |
| 52 | Poland | 305.9 | 124 | Slovak Republic | 16.5 |
| 53 | Iran, Islamic Rep. | 294.9 | 125 | Montenegro | 16.3 |
| 54 | Panama | 294.8 | 126 | Zimbabwe | 15.4 |
| 55 | Kenya | 283.2 | 127 | Burkina Faso | 14.0 |
| 56 | Sri Lanka | 259.1 | 128 | Rwanda | 13.2 |
| 57 | Venezuela | 258.2 | 129 | Slovenia | 12.6 |
| 58 | Ukraine | 242.9 | 130 | Gambia, The | 12.6 |
| 59 | Kuwait | 237.3 | 131 | Timor-Leste | 11.2 |
| 60 | Ethiopia | 223.8 | 132 | Guyana | 10.1 |
| 61 | Kazakhstan | 212.9 | 133 | Mauritania | 9.8 |
| 62 | Bahrain | 210.7 | 134 | Guinea | 9.5 |
| 63 | Bangladesh | 205.6 | 135 | Chad | 9.1 |
| 64 | Czech Republic | 192.7 | 136 | Macedonia, FYR | 6.9 |
| 65 | Cyprus | 190.2 | 137 | Sierra Leone | 6.7 |
| 66 | Jordan | 185.5 | 138 | Bosnia and Herzegovina | 5.9 |
| 67 | Oman | 182.1 | 139 | Liberia | 5.8 |
| 68 | Mauritius | 175.6 | 140 | Malawi | 5.8 |
| 69 | Romania | 174.1 | 141 | Botswana | 5.6 |
| 70 | Lebanon | 158.2 | 142 | Burundi | 2.3 |
| 71 | Ecuador | 157.9 | 143 | Swaziland | 0.3 |
| 72 | Algeria | 146.0 | 144 | Lesotho | 0.2 |

SOURCE: International Air Transport Association, SRS Analyser

2.07 Quality of electricity supply

How would you assess the quality of the electricity supply in your country (lack of interruptions and lack of voltage fluctuations)? [1 = insufficient and suffers frequent interruptions; 7 = sufficient and reliable] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Netherlands | 6.8 | | | | 73 | Serbia | 4.8 | | | |
| 2 | Iceland | 6.8 | | | | 74 | Peru | 4.8 | | | |
| 3 | Hong Kong SAR | 6.8 | | | | 75 | Azerbaijan | 4.7 | | | |
| 4 | Switzerland | 6.8 | | | | 76 | Montenegro | 4.6 | | | |
| 5 | Denmark | 6.8 | | | | 77 | Turkey | 4.6 | | | |
| 6 | Singapore | 6.7 | | | | 78 | Ukraine | 4.6 | | | |
| 7 | Austria | 6.7 | | | | 79 | Mexico | 4.6 | | | |
| 8 | United Kingdom | 6.7 | | | | 80 | Algeria | 4.5 | | | |
| 9 | France | 6.7 | | | | 81 | Kazakhstan | 4.4 | | | |
| 10 | Qatar | 6.6 | | | | 82 | Egypt | 4.4 | | | |
| 11 | Finland | 6.6 | | | | 83 | Jamaica | 4.4 | | | |
| 12 | Sweden | 6.6 | | | | 84 | Russian Federation | 4.3 | | | |
| 13 | Belgium | 6.6 | | | | 85 | Libya | 4.3 | | | |
| 14 | Canada | 6.6 | | | | 86 | Moldova | 4.3 | | | |
| 15 | Luxembourg | 6.6 | | | | 87 | Rwanda | 4.2 | | | |
| 16 | Czech Republic | 6.5 | | | | 88 | Romania | 4.2 | | | |
| 17 | Norway | 6.5 | | | | 89 | Gambia, The | 4.1 | | | |
| 18 | Ireland | 6.5 | | | | 90 | Ecuador | 4.1 | | | |
| 19 | Germany | 6.4 | | | | 91 | Suriname | 3.9 | | | |
| 20 | United Arab Emirates | 6.4 | | | | 92 | Swaziland | 3.9 | | | |
| 21 | Saudi Arabia | 6.3 | | | | 93 | Indonesia | 3.9 | | | |
| 22 | Oman | 6.3 | | | | 94 | South Africa | 3.9 | | | |
| 23 | Bahrain | 6.3 | | | | 95 | Bulgaria | 3.9 | | | |
| 24 | Barbados | 6.3 | | | | 96 | Côte d'Ivoire | 3.8 | | | |
| 25 | Slovak Republic | 6.3 | | | | 97 | Bolivia | 3.8 | | | |
| 26 | Portugal | 6.3 | | | | 98 | Philippines | 3.7 | | | |
| 27 | Australia | 6.3 | | | | 99 | Mauritania | 3.7 | | | |
| 28 | Taiwan, China | 6.3 | | | | 100 | Nicaragua | 3.7 | | | |
| 29 | Slovenia | 6.2 | | | | 101 | Lesotho | 3.7 | | | |
| 30 | Spain | 6.1 | | | | 102 | Kenya | 3.6 | | | |
| 31 | Bosnia and Herzegovina | 6.0 | | | | 103 | Mongolia | 3.6 | | | |
| 32 | Korea, Rep. | 6.0 | | | | 104 | Botswana | 3.6 | | | |
| 33 | United States | 6.0 | | | | 105 | Cambodia | 3.6 | | | |
| 34 | New Zealand | 6.0 | | | | 106 | Honduras | 3.6 | | | |
| 35 | Malaysia | 5.9 | | | | 107 | Zambia | 3.5 | | | |
| 36 | Japan | 5.9 | | | | 108 | Argentina | 3.5 | | | |
| 37 | Uruguay | 5.9 | | | | 109 | Mali | 3.5 | | | |
| 38 | Italy | 5.8 | | | | 110 | India | 3.2 | | | |
| 39 | Jordan | 5.7 | | | | 111 | Mozambique | 3.2 | | | |
| 40 | Hungary | 5.7 | | | | 112 | Vietnam | 3.1 | | | |
| 41 | Lithuania | 5.6 | | | | 113 | Ethiopia | 3.1 | | | |
| 42 | Costa Rica | 5.5 | | | | 114 | Liberia | 3.0 | | | |
| 43 | Panama | 5.5 | | | | 115 | Paraguay | 3.0 | | | |
| 44 | Thailand | 5.5 | | | | 116 | Ghana | 3.0 | | | |
| 45 | Brunei Darussalam | 5.5 | | | | 117 | Guyana | 3.0 | | | |
| 46 | Georgia | 5.5 | | | | 118 | Timor-Leste | 2.9 | | | |
| 47 | Poland | 5.5 | | | | 119 | Kyrgyz Republic | 2.9 | | | |
| 48 | Israel | 5.5 | | | | 120 | Cameroon | 2.8 | | | |
| 49 | Croatia | 5.4 | | | | 121 | Sierra Leone | 2.6 | | | |
| 50 | Trinidad and Tobago | 5.4 | | | | 122 | Benin | 2.5 | | | |
| 51 | Cyprus | 5.4 | | | | 123 | Gabon | 2.5 | | | |
| 52 | Namibia | 5.4 | | | | 124 | Tajikistan | 2.3 | | | |
| 53 | Chile | 5.4 | | | | 125 | Burkina Faso | 2.3 | | | |
| 54 | Sri Lanka | 5.3 | | | | 126 | Pakistan | 2.3 | | | |
| 55 | Seychelles | 5.3 | | | | 127 | Madagascar | 2.2 | | | |
| 56 | Morocco | 5.2 | | | | 128 | Malawi | 2.2 | | | |
| 57 | Greece | 5.2 | | | | 129 | Uganda | 2.2 | | | |
| 58 | Estonia | 5.2 | | | | 130 | Dominican Republic | 2.1 | | | |
| 59 | China | 5.2 | | | | 131 | Venezuela | 2.0 | | | |
| 60 | Iran, Islamic Rep. | 5.2 | | | | 132 | Tanzania | 1.9 | | | |
| 61 | Puerto Rico | 5.1 | | | | 133 | Burundi | 1.9 | | | |
| 62 | Colombia | 5.1 | | | | 134 | Senegal | 1.8 | | | |
| 63 | Kuwait | 5.0 | | | | 135 | Cape Verde | 1.8 | | | |
| 64 | Macedonia, FYR | 5.0 | | | | 136 | Bangladesh | 1.8 | | | |
| 65 | Latvia | 5.0 | | | | 137 | Zimbabwe | 1.7 | | | |
| 66 | Mauritius | 5.0 | | | | 138 | Nigeria | 1.7 | | | |
| 67 | Guatemala | 5.0 | | | | 139 | Haiti | 1.6 | | | |
| 68 | Brazil | 4.9 | | | | 140 | Chad | 1.5 | | | |
| 69 | Armenia | 4.9 | | | | 141 | Guinea | 1.5 | | | |
| 70 | El Salvador | 4.9 | | | | 142 | Yemen | 1.4 | | | |
| 71 | Albania | 4.8 | | | | 143 | Nepal | 1.4 | | | |
| 72 | Malta | 4.8 | | | | 144 | Lebanon | 1.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

2.08 Mobile telephone subscriptions

Number of mobile telephone subscriptions per 100 population | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------------|-------|------|------------------------|-------|
| 1 | Hong Kong SAR | 209.6 | 73 | Mongolia | 105.1 |
| 2 | Panama | 203.9 | 74 | France | 105.0 |
| 3 | Saudi Arabia | 191.2 | 75 | Namibia | 105.0 |
| 4 | Montenegro ¹ | 185.3 | 76 | Kyrgyz Republic | 104.8 |
| 5 | Russian Federation | 179.3 | 77 | Moldova | 104.8 |
| 6 | Suriname | 178.9 | 78 | Ecuador | 104.5 |
| 7 | Oman | 169.0 | 79 | Honduras | 104.0 |
| 8 | Finland | 166.0 | 80 | Armenia | 103.6 |
| 9 | Kuwait ¹ | 160.8 | 81 | Latvia | 102.9 |
| 10 | Libya | 155.7 | 82 | Japan | 102.7 |
| 11 | Austria | 154.8 | 83 | Georgia | 102.3 |
| 12 | Italy | 151.8 | 84 | Egypt | 101.1 |
| 13 | Lithuania | 151.3 | 85 | Paraguay | 99.4 |
| 14 | Singapore | 149.5 | 86 | Mauritius | 99.0 |
| 15 | United Arab Emirates | 148.6 | 87 | Algeria | 99.0 |
| 16 | Luxembourg | 148.3 | 88 | Colombia | 98.5 |
| 17 | Seychelles | 145.7 | 89 | Venezuela | 97.8 |
| 18 | Vietnam | 143.4 | 90 | Indonesia | 97.7 |
| 19 | Botswana | 142.8 | 91 | Cyprus | 97.7 |
| 20 | Kazakhstan | 142.5 | 92 | Albania | 96.4 |
| 21 | Uruguay | 140.8 | 93 | Mauritania | 92.7 |
| 22 | Bulgaria | 140.7 | 94 | Costa Rica | 92.2 |
| 23 | Guatemala | 140.4 | 95 | Philippines | 92.0 |
| 24 | Estonia | 139.0 | 96 | Tajikistan | 90.6 |
| 25 | Trinidad and Tobago | 135.6 | 97 | Gambia, The | 89.0 |
| 26 | Argentina | 134.9 | 98 | Turkey | 88.7 |
| 27 | Germany | 132.3 | 99 | Dominican Republic | 87.2 |
| 28 | United Kingdom | 130.8 | 100 | Sri Lanka | 87.0 |
| 29 | Switzerland | 130.1 | 101 | Côte d'Ivoire | 86.4 |
| 30 | Chile | 129.7 | 102 | Benin | 85.3 |
| 31 | Poland | 128.5 | 103 | Ghana | 84.8 |
| 32 | Bahrain | 128.0 | 104 | Bosnia and Herzegovina | 84.5 |
| 33 | Malaysia | 127.0 | 105 | Puerto Rico | 83.0 |
| 34 | Barbados | 127.0 | 106 | Bolivia | 82.8 |
| 35 | South Africa | 126.8 | 107 | Mexico | 82.4 |
| 36 | Denmark | 126.5 | 108 | Nicaragua | 82.2 |
| 37 | El Salvador | 125.8 | 109 | Cape Verde | 79.2 |
| 38 | Serbia | 125.4 | 110 | Lebanon | 78.6 |
| 39 | Malta | 124.9 | 111 | Canada | 75.3 |
| 40 | Taiwan, China | 124.1 | 112 | Iran, Islamic Rep. | 74.9 |
| 41 | Brazil | 123.2 | 113 | Senegal | 73.3 |
| 42 | Qatar | 123.1 | 114 | China | 73.2 |
| 43 | Ukraine | 123.0 | 115 | Zimbabwe | 72.1 |
| 44 | Israel | 121.7 | 116 | India | 72.0 |
| 45 | Czech Republic | 121.6 | 117 | Cambodia | 69.9 |
| 46 | Sweden | 118.6 | 118 | Guyana | 68.6 |
| 47 | Jordan | 118.2 | 119 | Mali | 68.3 |
| 48 | Gabon | 117.3 | 120 | Kenya | 64.8 |
| 49 | Hungary | 117.3 | 121 | Swaziland | 63.7 |
| 50 | Norway | 116.8 | 122 | Pakistan | 61.6 |
| 51 | Belgium | 116.6 | 123 | Zambia | 60.6 |
| 52 | Croatia | 116.4 | 124 | Nigeria | 58.6 |
| 53 | Netherlands ¹ | 115.4 | 125 | Bangladesh | 56.5 |
| 54 | Portugal | 114.9 | 126 | Tanzania | 55.5 |
| 55 | Spain | 114.2 | 127 | Timor-Leste | 53.2 |
| 56 | Morocco | 113.3 | 128 | Cameroon | 52.4 |
| 57 | Thailand | 113.2 | 129 | Liberia | 49.2 |
| 58 | Peru | 110.4 | 130 | Uganda | 48.4 |
| 59 | Macedonia, FYR | 109.4 | 131 | Lesotho | 47.9 |
| 60 | Slovak Republic | 109.3 | 132 | Yemen | 47.0 |
| 61 | New Zealand | 109.2 | 133 | Burkina Faso | 45.3 |
| 62 | Brunei Darussalam | 109.2 | 134 | Guinea | 44.0 |
| 63 | Romania | 109.2 | 135 | Nepal | 43.8 |
| 64 | Azerbaijan | 108.7 | 136 | Haiti | 41.5 |
| 65 | Korea, Rep. | 108.5 | 137 | Rwanda | 40.6 |
| 66 | Ireland | 108.4 | 138 | Madagascar | 38.3 |
| 67 | Australia | 108.3 | 139 | Sierra Leone | 35.6 |
| 68 | Jamaica | 108.1 | 140 | Mozambique | 32.8 |
| 69 | Slovenia | 106.6 | 141 | Chad | 31.8 |
| 70 | Greece | 106.5 | 142 | Malawi | 25.1 |
| 71 | Iceland | 106.1 | 143 | Ethiopia | 16.7 |
| 72 | United States | 105.9 | 144 | Burundi | 14.5 |

SOURCE: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition)

¹ 2010

2.09 Fixed telephone lines

Number of active fixed telephone lines per 100 population | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------------|-------|------|---------------------------|-------|
| 1 | Taiwan, China | 72.7 | 73 | Mexico | 17.1 |
| 2 | Germany | 63.0 | 74 | Sri Lanka | 17.1 |
| 3 | Hong Kong SAR | 61.1 | 75 | Saudi Arabia | 16.5 |
| 4 | Korea, Rep. | 60.9 | 76 | Qatar | 16.4 |
| 5 | Switzerland | 60.8 | 77 | Suriname | 16.1 |
| 6 | Iceland | 58.4 | 78 | Indonesia | 15.9 |
| 7 | France | 55.9 | 79 | Libya | 15.6 |
| 8 | Malta | 54.9 | 80 | El Salvador | 15.3 |
| 9 | Luxembourg | 54.1 | 81 | Panama | 15.2 |
| 10 | United Kingdom | 53.2 | 82 | Colombia | 15.2 |
| 11 | Barbados | 51.4 | 83 | Ecuador | 15.1 |
| 12 | Japan | 51.1 | 84 | Cape Verde | 14.9 |
| 13 | Greece | 49.9 | 85 | Malaysia | 14.7 |
| 14 | Sweden | 48.7 | 86 | Vietnam | 11.5 |
| 15 | United States | 47.9 | 87 | Peru | 11.1 |
| 16 | Canada | 47.9 | 88 | Morocco | 11.0 |
| 17 | Australia | 46.6 | 89 | Guatemala | 11.0 |
| 18 | Israel | 46.3 | 90 | Egypt | 10.6 |
| 19 | Ireland | 45.2 | 91 | Albania | 10.5 |
| 20 | Denmark | 45.1 | 92 | Dominican Republic | 10.4 |
| 21 | Netherlands ¹ | 43.5 | 93 | Oman | 10.1 |
| 22 | Belgium | 43.1 | 94 | Jamaica | 9.9 |
| 23 | Slovenia | 42.9 | 95 | Thailand | 9.7 |
| 24 | Norway | 42.7 | 96 | Kyrgyz Republic | 8.9 |
| 25 | New Zealand | 42.6 | 97 | Bolivia | 8.7 |
| 26 | Spain | 42.3 | 98 | Algeria | 8.5 |
| 27 | Portugal | 42.3 | 99 | South Africa | 8.2 |
| 28 | Austria | 40.3 | 100 | Honduras | 7.9 |
| 29 | Croatia | 40.1 | 101 | Botswana | 7.4 |
| 30 | Singapore | 38.9 | 102 | Jordan | 7.4 |
| 31 | Serbia | 37.3 | 103 | Philippines | 7.2 |
| 32 | Iran, Islamic Rep. | 37.1 | 104 | Mongolia | 6.7 |
| 33 | Cyprus | 36.3 | 105 | Namibia | 6.0 |
| 34 | Estonia | 35.1 | 106 | Paraguay | 5.6 |
| 35 | Italy | 34.6 | 107 | Tajikistan | 5.4 |
| 36 | Moldova | 33.3 | 108 | Nicaragua | 4.9 |
| 37 | Seychelles | 32.1 | 109 | Swaziland | 4.4 |
| 38 | Costa Rica | 31.5 | 110 | Yemen | 4.3 |
| 39 | Bulgaria | 31.0 | 111 | Cambodia | 3.7 |
| 40 | Georgia | 31.0 | 112 | Cameroon | 3.3 |
| 41 | Russian Federation | 30.9 | 113 | Pakistan | 3.2 |
| 42 | Hungary | 29.4 | 114 | Zimbabwe | 2.8 |
| 43 | Mauritius | 28.7 | 115 | Nepal | 2.8 |
| 44 | Uruguay | 28.5 | 116 | Gambia, The | 2.8 |
| 45 | Ukraine | 28.1 | 117 | Senegal | 2.7 |
| 46 | Montenegro ¹ | 26.8 | 118 | India | 2.6 |
| 47 | Kazakhstan | 26.1 | 119 | Mauritania | 2.0 |
| 48 | Bosnia and Herzegovina | 25.5 | 120 | Gabon | 2.0 |
| 49 | Venezuela | 24.9 | 121 | Benin | 1.7 |
| 50 | Argentina | 24.9 | 122 | Lesotho | 1.6 |
| 51 | United Arab Emirates | 23.1 | 123 | Uganda | 1.3 |
| 52 | Latvia | 23.0 | 124 | Côte d'Ivoire | 1.3 |
| 53 | Puerto Rico | 22.1 | 125 | Ghana | 1.1 |
| 54 | Romania | 21.9 | 126 | Malawi | 1.1 |
| 55 | Brazil | 21.9 | 127 | Bangladesh | 1.1 |
| 56 | Lithuania | 21.9 | 128 | Ethiopia | 1.0 |
| 57 | Trinidad and Tobago | 21.7 | 129 | Burkina Faso | 0.8 |
| 58 | China | 21.2 | 130 | Kenya | 0.7 |
| 59 | Lebanon | 21.1 | 131 | Mali | 0.7 |
| 60 | Czech Republic | 20.9 | 132 | Madagascar | 0.6 |
| 61 | Bahrain | 20.9 | 133 | Zambia | 0.6 |
| 62 | Kuwait ¹ | 20.7 | 134 | Haiti ¹ | 0.5 |
| 63 | Turkey | 20.7 | 135 | Nigeria | 0.4 |
| 64 | Guyana | 20.2 | 136 | Burundi ¹ | 0.4 |
| 65 | Finland | 20.1 | 137 | Mozambique | 0.4 |
| 66 | Macedonia, FYR | 20.0 | 138 | Rwanda | 0.4 |
| 67 | Brunei Darussalam | 19.7 | 139 | Tanzania | 0.3 |
| 68 | Chile | 19.5 | 140 | Chad | 0.3 |
| 69 | Slovak Republic | 19.3 | 141 | Timor-Leste | 0.3 |
| 70 | Armenia | 18.6 | 142 | Sierra Leone ¹ | 0.2 |
| 71 | Azerbaijan | 18.1 | 143 | Guinea | 0.2 |
| 72 | Poland | 18.1 | 144 | Liberia | 0.1 |

SOURCE: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition)

¹ 2010

Pillar 3

Macroeconomic environment

3.01 Government budget balance

General government budget balance as a percentage of GDP | 2011

| RANK | COUNTRY/ECONOMY | VALUE | | RANK | COUNTRY/ECONOMY | VALUE | |
|------|----------------------|-------|--|------|------------------------|-------|--|
| 1 | Timor-Leste | 50.2 | | 73 | Bosnia and Herzegovina | -3.1 | |
| 2 | Brunei Darussalam | 31.9 | | 74 | Argentina | -3.3 | |
| 3 | Kuwait | 31.0 | | 75 | Mauritius | -3.4 | |
| 4 | Saudi Arabia | 15.2 | | 76 | Liberia | -3.4 | |
| 5 | Azerbaijan | 13.3 | | 77 | Latvia | -3.4 | |
| 6 | Norway | 13.1 | | 78 | Mexico | -3.4 | |
| 7 | United Arab Emirates | 11.0 | | 79 | Zambia | -3.4 | |
| 8 | Oman | 9.8 | | 80 | Albania | -3.5 | |
| 9 | Qatar | 7.8 | | 81 | Mongolia | -3.6 | |
| 10 | Singapore | 7.3 | | 82 | Algeria | -3.6 | |
| 11 | Libya ¹ | 6.2 | | 83 | Haiti | -3.7 | |
| 12 | Kazakhstan | 5.8 | | 84 | Czech Republic | -3.8 | |
| 13 | Hungary | 4.0 | | 85 | Denmark | -3.9 | |
| 14 | Hong Kong SAR | 3.7 | | 86 | Italy | -3.9 | |
| 15 | Chad | 3.2 | | 87 | Burundi | -4.0 | |
| 16 | Seychelles | 2.6 | | 88 | Israel | -4.0 | |
| 17 | Korea, Rep. | 2.3 | | 89 | Portugal | -4.0 | |
| 18 | Gabon | 2.1 | | 90 | Serbia | -4.0 | |
| 19 | Peru | 1.9 | | 91 | Romania | -4.1 | |
| 20 | Russian Federation | 1.6 | | 92 | Bangladesh | -4.1 | |
| 21 | Chile | 1.2 | | 93 | Kenya | -4.1 | |
| 22 | Paraguay | 1.2 | | 94 | El Salvador | -4.2 | |
| 23 | Nigeria | 1.1 | | 95 | Botswana | -4.2 | |
| 24 | Estonia | 1.0 | | 96 | Belgium | -4.2 | |
| 25 | Bolivia | 0.8 | | 97 | Australia | -4.3 | |
| 26 | Nicaragua | 0.5 | | 98 | Ghana | -4.3 | |
| 27 | Switzerland | 0.4 | | 99 | Barbados | -4.3 | |
| 28 | Trinidad and Tobago | 0.3 | | 100 | Taiwan, China | -4.3 | |
| 29 | Iran, Islamic Rep. | 0.2 | | 101 | Costa Rica | -4.3 | |
| 30 | Sweden | 0.1 | | 102 | Yemen | -4.4 | |
| 31 | Suriname | -0.1 | | 103 | Gambia, The | -4.4 | |
| 32 | Turkey | -0.3 | | 104 | Canada | -4.5 | |
| 33 | Luxembourg | -0.7 | | 105 | South Africa | -4.6 | |
| 34 | Uruguay | -0.8 | | 106 | Iceland | -4.6 | |
| 35 | Finland | -0.8 | | 107 | Kyrgyz Republic | -4.8 | |
| 36 | Philippines | -0.8 | | 108 | Mozambique | -4.9 | |
| 37 | Georgia | -0.9 | | 109 | Netherlands | -5.0 | |
| 38 | Puerto Rico | -1.0 | | 110 | Malaysia | -5.1 | |
| 39 | Ecuador | -1.0 | | 111 | Poland | -5.2 | |
| 40 | Germany | -1.0 | | 112 | Lithuania | -5.2 | |
| 41 | China | -1.2 | | 113 | Venezuela | -5.3 | |
| 42 | Mali | -1.3 | | 114 | France | -5.3 | |
| 43 | Benin | -1.4 | | 115 | Croatia | -5.5 | |
| 44 | Mauritania | -1.5 | | 116 | Slovak Republic | -5.5 | |
| 45 | Indonesia | -1.6 | | 117 | Lebanon | -5.6 | |
| 46 | Madagascar | -1.6 | | 118 | Côte d'Ivoire | -5.7 | |
| 47 | Ethiopia | -1.6 | | 119 | Slovenia | -5.7 | |
| 48 | Nepal | -1.7 | | 120 | Sierra Leone | -5.7 | |
| 49 | Guyana | -1.8 | | 121 | Tanzania | -6.0 | |
| 50 | Rwanda | -1.9 | | 122 | Senegal | -6.1 | |
| 51 | Cameroon | -1.9 | | 123 | Jordan | -6.2 | |
| 52 | Thailand | -1.9 | | 124 | New Zealand | -6.2 | |
| 53 | Colombia | -2.1 | | 125 | Pakistan | -6.4 | |
| 54 | Bulgaria | -2.1 | | 126 | Montenegro | -6.5 | |
| 55 | Tajikistan | -2.1 | | 127 | Cyprus | -6.5 | |
| 56 | Zimbabwe | -2.1 | | 128 | Jamaica | -6.5 | |
| 57 | Bahrain | -2.3 | | 129 | Swaziland | -6.8 | |
| 58 | Panama | -2.4 | | 130 | Sri Lanka | -6.9 | |
| 59 | Moldova | -2.4 | | 131 | Morocco | -6.9 | |
| 60 | Burkina Faso | -2.5 | | 132 | Uganda | -7.2 | |
| 61 | Dominican Republic | -2.5 | | 133 | Malawi | -7.9 | |
| 62 | Macedonia, FYR | -2.6 | | 134 | Namibia | -7.9 | |
| 63 | Austria | -2.6 | | 135 | Spain | -8.5 | |
| 64 | Brazil | -2.6 | | 136 | India | -8.7 | |
| 65 | Cambodia | -2.6 | | 137 | United Kingdom | -8.7 | |
| 66 | Armenia | -2.7 | | 138 | Cape Verde | -8.9 | |
| 67 | Vietnam | -2.7 | | 139 | Greece | -9.2 | |
| 68 | Ukraine | -2.7 | | 140 | United States | -9.6 | |
| 69 | Honduras | -2.8 | | 141 | Ireland | -9.9 | |
| 70 | Guatemala | -2.8 | | 142 | Egypt | -9.9 | |
| 71 | Guinea | -2.9 | | 143 | Japan | -10.1 | |
| 72 | Malta | -3.0 | | 144 | Lesotho | -10.5 | |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and Public Information Notices (various issues); national sources

¹ 2010

3.02 Gross national savings

Gross national savings as a percentage of GDP | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------------|-------|------|------------------------|-------|
| 1 | Kuwait | 59.6 | 73 | Canada | 20.0 |
| 2 | Qatar | 54.3 | 74 | Israel | 18.8 |
| 3 | Iran, Islamic Rep. | 53.8 | 75 | France | 18.8 |
| 4 | Timor-Leste ¹ | 51.2 | 76 | Chad | 18.8 |
| 5 | China | 51.0 | 77 | Armenia | 18.7 |
| 6 | Algeria | 50.1 | 78 | Brazil | 18.4 |
| 7 | Mongolia | 48.0 | 79 | Honduras | 18.4 |
| 8 | Azerbaijan | 47.9 | 80 | Spain | 18.4 |
| 9 | Singapore | 44.4 | 81 | Paraguay | 18.1 |
| 10 | Saudi Arabia | 43.0 | 82 | Libya | 18.1 |
| 11 | Oman | 41.8 | 83 | Madagascar | 17.9 |
| 12 | Gabon | 40.5 | 84 | Poland | 17.5 |
| 13 | Kazakhstan | 39.6 | 85 | Ukraine | 17.5 |
| 14 | Norway | 37.5 | 86 | Lithuania | 17.1 |
| 15 | Trinidad and Tobago | 36.0 | 87 | South Africa | 16.5 |
| 16 | Switzerland | 34.6 | 88 | Italy | 16.4 |
| 17 | Malaysia | 33.7 | 89 | Panama | 16.3 |
| 18 | Nepal | 33.6 | 90 | Lebanon | 16.3 |
| 19 | Indonesia | 33.0 | 91 | Uruguay | 16.2 |
| 20 | Korea, Rep. | 31.8 | 92 | Ghana | 16.2 |
| 21 | United Arab Emirates | 31.7 | 93 | Serbia | 16.1 |
| 22 | India | 31.6 | 94 | Costa Rica | 16.1 |
| 23 | Venezuela | 31.3 | 95 | New Zealand | 15.3 |
| 24 | Taiwan, China | 30.1 | 96 | Egypt | 15.1 |
| 25 | Thailand | 30.0 | 97 | Rwanda | 14.9 |
| 26 | Vietnam | 29.3 | 98 | Côte d'Ivoire | 14.9 |
| 27 | Ecuador | 28.7 | 99 | Cameroon | 14.8 |
| 28 | Russian Federation | 28.6 | 100 | Botswana | 14.7 |
| 29 | Bahrain | 28.6 | 101 | Jamaica | 14.5 |
| 30 | Nigeria | 28.4 | 102 | Jordan | 14.4 |
| 31 | Luxembourg | 28.0 | 103 | Mauritius | 14.4 |
| 32 | Estonia | 27.7 | 104 | Moldova | 13.9 |
| 33 | Morocco | 27.2 | 105 | Seychelles | 13.8 |
| 34 | Hong Kong SAR | 27.0 | 106 | Nicaragua | 13.7 |
| 35 | Sweden | 26.8 | 107 | Pakistan | 13.6 |
| 36 | Bangladesh | 26.7 | 108 | Uganda | 13.6 |
| 37 | Mauritania | 26.7 | 109 | Puerto Rico | 13.4 |
| 38 | Netherlands | 26.4 | 110 | Cambodia | 13.4 |
| 39 | Zambia | 26.2 | 111 | Tajikistan | 13.2 |
| 40 | Namibia | 26.0 | 112 | Guatemala | 12.9 |
| 41 | Ethiopia | 25.6 | 113 | United Kingdom | 12.9 |
| 42 | Austria | 25.2 | 114 | United States | 12.9 |
| 43 | Bulgaria | 25.0 | 115 | Turkey | 12.5 |
| 44 | Latvia | 25.0 | 116 | Albania | 11.8 |
| 45 | Australia | 24.9 | 117 | Portugal | 11.6 |
| 46 | Romania | 24.6 | 118 | Malawi | 11.6 |
| 47 | Philippines | 24.6 | 119 | Kenya | 11.3 |
| 48 | Haiti | 24.5 | 120 | Burkina Faso | 11.2 |
| 49 | Peru | 24.3 | 121 | Mozambique | 11.2 |
| 50 | Mexico | 24.2 | 122 | Georgia | 10.9 |
| 51 | Cape Verde | 24.1 | 123 | Bosnia and Herzegovina | 10.9 |
| 52 | Bolivia | 24.0 | 124 | Ireland | 10.6 |
| 53 | Denmark | 23.8 | 125 | Mali | 10.2 |
| 54 | Germany | 23.7 | 126 | Benin | 9.8 |
| 55 | Croatia | 23.4 | 127 | Malta | 9.3 |
| 56 | Chile | 23.4 | 128 | Guinea | 8.6 |
| 57 | Tanzania | 23.0 | 129 | El Salvador | 8.4 |
| 58 | Macedonia, FYR | 22.7 | 130 | Dominican Republic | 8.3 |
| 59 | Argentina | 22.0 | 131 | Cyprus | 8.1 |
| 60 | Japan | 21.9 | 132 | Iceland | 7.8 |
| 61 | Slovak Republic | 21.9 | 133 | Guyana | 7.8 |
| 62 | Colombia | 21.8 | 134 | Burundi | 7.7 |
| 63 | Suriname | 21.5 | 135 | Greece | 4.8 |
| 64 | Czech Republic | 21.5 | 136 | Barbados | 3.9 |
| 65 | Kyrgyz Republic | 21.3 | 137 | Gambia, The | 3.6 |
| 66 | Slovenia | 21.3 | 138 | Yemen | 2.0 |
| 67 | Belgium | 21.1 | 139 | Sierra Leone | 0.7 |
| 68 | Finland | 21.0 | 140 | Montenegro | -1.2 |
| 69 | Senegal | 20.9 | 141 | Swaziland | -1.5 |
| 70 | Hungary | 20.7 | 142 | Zimbabwe | -10.0 |
| 71 | Sri Lanka | 20.3 | n/a | Brunei Darussalam | n/a |
| 72 | Lesotho | 20.3 | n/a | Liberia | n/a |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and Public Information Notices (various issues); national sources

¹ 2010

3.03 Inflation

Annual percent change in consumer price index (year average) | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|---------------------|-------|
| 1 | United Arab Emirates | 0.9 | 75 | Lebanon | 5.0 |
| 1 | Morocco | 0.9 | 76 | South Africa | 5.0 |
| 1 | Bahrain | 1.0 | 77 | Trinidad and Tobago | 5.1 |
| 1 | Ireland | 1.1 | 78 | Estonia | 5.1 |
| 1 | Gabon | 1.3 | 79 | Singapore | 5.2 |
| 1 | Norway | 1.3 | 80 | Hong Kong SAR | 5.3 |
| 1 | Sweden | 1.4 | 81 | Indonesia | 5.4 |
| 1 | Taiwan, China | 1.4 | 82 | China | 5.4 |
| 1 | Slovenia | 1.8 | 83 | Cambodia | 5.5 |
| 1 | Chad | 1.9 | 84 | Lesotho | 5.6 |
| 1 | Czech Republic | 1.9 | 85 | Rwanda | 5.7 |
| 1 | Qatar | 2.0 | 86 | Mauritania | 5.7 |
| 1 | Brunei Darussalam | 2.0 | 87 | Guyana | 5.7 |
| 1 | Croatia | 2.3 | 88 | Namibia | 5.8 |
| 1 | France | 2.3 | 89 | Romania | 5.8 |
| 1 | Malta | 2.4 | 90 | Panama | 5.9 |
| 1 | Netherlands | 2.5 | 91 | Swaziland | 6.1 |
| 1 | Germany | 2.5 | 92 | Guatemala | 6.2 |
| 1 | Seychelles | 2.6 | 93 | Turkey | 6.5 |
| 1 | Benin | 2.7 | 94 | Uganda | 6.5 |
| 1 | Burkina Faso | 2.8 | 95 | Mauritius | 6.5 |
| 1 | Denmark | 2.8 | 96 | Paraguay | 6.6 |
| 1 | Canada | 2.9 | 97 | Brazil | 6.6 |
| 1 | Puerto Rico | 2.9 | 98 | Sri Lanka | 6.7 |
| 25 | Italy | 2.9 | 99 | Honduras | 6.8 |
| 26 | Cameroon | 2.9 | 100 | Tanzania | 7.0 |
| 27 | Mali | 3.1 | 101 | Haiti | 7.4 |
| 28 | Spain | 3.1 | 102 | Jamaica | 7.5 |
| 29 | Montenegro | 3.1 | 103 | Malawi | 7.6 |
| 30 | Greece | 3.1 | 104 | Moldova | 7.7 |
| 31 | United States | 3.1 | 105 | Armenia | 7.7 |
| 33 | Malaysia | 3.2 | 106 | Azerbaijan | 7.9 |
| 34 | Finland | 3.3 | 107 | Ukraine | 8.0 |
| 35 | Chile | 3.3 | 108 | Nicaragua | 8.1 |
| 36 | Peru | 3.4 | 109 | Uruguay | 8.1 |
| 37 | Australia | 3.4 | 110 | Kazakhstan | 8.3 |
| 37 | Bulgaria | 3.4 | 111 | Russian Federation | 8.4 |
| 39 | Mexico | 3.4 | 112 | Dominican Republic | 8.5 |
| 40 | Senegal | 3.4 | 113 | Botswana | 8.5 |
| 41 | Luxembourg | 3.4 | 114 | Liberia | 8.5 |
| 42 | Colombia | 3.4 | 115 | Georgia | 8.5 |
| 43 | Albania | 3.4 | 116 | India | 8.6 |
| 44 | Israel | 3.5 | 117 | Zambia | 8.7 |
| 45 | Belgium | 3.5 | 118 | Ghana | 8.7 |
| 46 | Zimbabwe | 3.5 | 119 | Barbados | 9.4 |
| 47 | Cyprus | 3.5 | 120 | Mongolia | 9.5 |
| 48 | Portugal | 3.6 | 121 | Nepal | 9.6 |
| 49 | El Salvador | 3.6 | 122 | Argentina | 9.8 |
| 50 | Austria | 3.6 | 123 | Bolivia | 9.9 |
| 52 | Bosnia and Herzegovina | 3.7 | 124 | Mozambique | 10.4 |
| 53 | Thailand | 3.8 | 125 | Madagascar | 10.6 |
| 54 | Hungary | 3.9 | 126 | Bangladesh | 10.7 |
| 54 | Macedonia, FYR | 3.9 | 127 | Nigeria | 10.8 |
| 56 | Iceland | 4.0 | 128 | Egypt | 11.1 |
| 57 | Korea, Rep. | 4.0 | 129 | Serbia | 11.2 |
| 58 | New Zealand | 4.0 | 130 | Tajikistan | 12.4 |
| 59 | Oman | 4.0 | 131 | Timor-Leste | 13.5 |
| 60 | Slovak Republic | 4.1 | 132 | Pakistan | 13.7 |
| 61 | Lithuania | 4.1 | 133 | Kenya | 14.0 |
| 62 | Latvia | 4.2 | 134 | Libya | 14.1 |
| 63 | Poland | 4.3 | 135 | Burundi | 14.9 |
| 64 | Jordan | 4.4 | 136 | Kyrgyz Republic | 16.6 |
| 65 | United Kingdom | 4.5 | 137 | Yemen | 17.6 |
| 66 | Cape Verde | 4.5 | 138 | Suriname | 17.7 |
| 67 | Ecuador | 4.5 | 139 | Ethiopia | 18.1 |
| 68 | Algeria | 4.5 | 140 | Sierra Leone | 18.5 |
| 69 | Kuwait | 4.7 | 141 | Vietnam | 18.7 |
| 70 | Philippines | 4.8 | 142 | Iran, Islamic Rep. | 21.3 |
| 71 | Gambia, The | 4.8 | 143 | Guinea | 21.5 |
| 72 | Costa Rica | 4.9 | 144 | Venezuela | 26.1 |
| 73 | Côte d'Ivoire | 4.9 | 32 | Switzerland | -0.2 |
| 74 | Saudi Arabia | 5.0 | 51 | Japan | -0.3 |

SOURCE: International Monetary Fund, [i]World Economic Outlook Database[i] (April 2012 edition); national sources

NOTE: For inflation rates between 0.5 and 2.9 percent, a country received the highest possible score of 7. Outside this range, scores decrease linearly as they move away from these values.

3.04 Government debt

Gross general government debt as a percentage of GDP | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|--------------------------|-------|
| 1 | Brunei Darussalam | 0.0 | 73 | Senegal | 40.6 |
| 1 | Libya ¹ | 0.0 | 74 | Bosnia and Herzegovina | 40.6 |
| 1 | Timor-Leste | 0.0 | 75 | Taiwan, China | 40.8 |
| 4 | Oman | 5.1 | 76 | Czech Republic | 41.5 |
| 5 | Madagascar | 5.7 | 77 | Thailand | 41.7 |
| 6 | Estonia | 6.0 | 78 | Malawi | 42.5 |
| 7 | Kuwait | 7.3 | 79 | Yemen | 42.5 |
| 8 | Saudi Arabia | 7.5 | 80 | Bangladesh | 42.9 |
| 9 | Russian Federation | 9.6 | 81 | Ghana | 43.4 |
| 10 | Chile | 9.9 | 82 | Mexico | 43.8 |
| 11 | Algeria | 9.9 | 83 | Argentina | 44.2 |
| 12 | Azerbaijan | 10.2 | 84 | Tanzania | 44.4 |
| 13 | Haiti | 10.6 | 85 | Slovak Republic | 44.6 |
| 14 | Kazakhstan | 10.9 | 86 | Venezuela | 45.5 |
| 15 | Iran, Islamic Rep. | 12.7 | 87 | Croatia | 45.6 |
| 16 | Cameroon | 12.9 | 88 | Montenegro | 45.8 |
| 17 | Paraguay | 13.7 | 89 | Denmark | 46.4 |
| 18 | Liberia | 13.9 | 90 | Mongolia | 47.1 |
| 19 | United Arab Emirates | 16.9 | 91 | Slovenia | 47.3 |
| 20 | Bulgaria | 17.0 | 92 | Serbia | 47.9 |
| 21 | Botswana | 17.3 | 93 | Finland | 48.6 |
| 22 | Swaziland | 17.5 | 94 | Switzerland | 48.6 |
| 23 | Nigeria | 17.9 | 95 | Kenya | 48.9 |
| 24 | Ecuador | 18.0 | 96 | Norway | 49.6 |
| 25 | Gabon | 20.5 | 97 | Mauritius | 50.6 |
| 26 | Suriname | 20.6 | 98 | El Salvador | 50.8 |
| 27 | Luxembourg | 20.8 | 99 | Kyrgyz Republic | 52.4 |
| 28 | Peru | 21.6 | 100 | Malaysia | 52.6 |
| 29 | Namibia | 21.9 | 101 | Uruguay | 54.2 |
| 30 | Australia | 22.9 | 102 | Morocco | 54.4 |
| 31 | Moldova | 23.4 | 103 | Poland | 55.4 |
| 32 | Rwanda | 23.4 | 104 | Albania | 58.9 |
| 33 | Guatemala | 24.1 | 105 | Puerto Rico ¹ | 59.0 |
| 34 | Indonesia | 25.0 | 106 | Sierra Leone | 60.0 |
| 35 | China | 25.8 | 107 | Pakistan | 60.1 |
| 36 | Zambia | 26.1 | 108 | Guyana | 61.8 |
| 37 | Macedonia, FYR | 28.1 | 109 | Brazil | 66.2 |
| 38 | Honduras | 28.1 | 110 | Netherlands | 66.2 |
| 39 | Cambodia | 28.6 | 111 | India | 68.1 |
| 40 | Uganda | 29.2 | 112 | Spain | 68.5 |
| 41 | Dominican Republic | 29.3 | 113 | Gambia, The | 68.8 |
| 42 | Burkina Faso | 29.4 | 114 | Jordan | 69.8 |
| 43 | Mali | 30.6 | 115 | Zimbabwe | 70.3 |
| 44 | Costa Rica | 30.8 | 116 | Malta | 70.9 |
| 45 | Benin | 31.3 | 117 | Cyprus | 71.8 |
| 46 | Qatar | 31.5 | 118 | Nicaragua | 72.0 |
| 47 | Chad | 32.2 | 119 | Guinea | 72.2 |
| 48 | Trinidad and Tobago | 32.4 | 120 | Austria | 72.2 |
| 49 | Bolivia | 32.9 | 121 | Israel | 74.3 |
| 50 | Romania | 33.0 | 122 | Egypt | 76.4 |
| 51 | Mozambique | 33.2 | 123 | Cape Verde | 77.6 |
| 52 | Hong Kong SAR | 33.9 | 124 | Sri Lanka | 79.0 |
| 53 | Georgia | 33.9 | 125 | Hungary | 80.4 |
| 54 | Nepal | 34.1 | 126 | Germany | 81.5 |
| 55 | Korea, Rep. | 34.1 | 127 | United Kingdom | 82.5 |
| 56 | Colombia | 34.7 | 128 | Seychelles | 83.0 |
| 57 | Armenia | 35.1 | 129 | Canada | 85.0 |
| 58 | Burundi | 35.3 | 130 | France | 86.3 |
| 59 | Tajikistan | 35.3 | 131 | Côte d'Ivoire | 90.5 |
| 60 | Bahrain | 36.5 | 132 | Mauritania | 92.4 |
| 61 | Ukraine | 36.5 | 133 | Belgium | 98.5 |
| 62 | New Zealand | 37.0 | 134 | Iceland | 99.2 |
| 63 | Ethiopia | 37.3 | 135 | Singapore | 100.8 |
| 64 | Sweden | 37.4 | 136 | United States | 102.9 |
| 65 | Latvia | 37.8 | 137 | Ireland | 105.0 |
| 66 | Panama | 37.8 | 138 | Portugal | 106.8 |
| 67 | Vietnam | 38.0 | 139 | Barbados | 117.3 |
| 68 | South Africa | 38.8 | 140 | Italy | 120.1 |
| 69 | Lithuania | 39.0 | 141 | Lebanon | 136.2 |
| 70 | Turkey | 39.4 | 142 | Jamaica | 139.0 |
| 71 | Lesotho | 39.6 | 143 | Greece | 160.8 |
| 72 | Philippines | 40.5 | 144 | Japan | 229.8 |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and *Public Information Notices* (various issues); national sources

¹ 2010

3.05 Country credit rating

Expert assessment of the probability of sovereign debt default on a 0–100 (lowest probability) scale | March 2012

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|------------------------|-------|
| 1 | Norway | 94.8 | 73 | Jordan | 46.0 |
| 2 | Switzerland | 94.1 | 74 | El Salvador | 43.8 |
| 3 | Canada | 93.1 | 75 | Guatemala | 43.6 |
| 4 | Sweden | 92.9 | 76 | Vietnam | 42.5 |
| 5 | Finland | 92.5 | 77 | Macedonia, FYR | 40.5 |
| 6 | Singapore | 92.4 | 78 | Montenegro | 40.2 |
| 7 | Luxembourg | 91.6 | 79 | Serbia | 39.8 |
| 8 | Netherlands | 90.8 | 80 | Egypt | 39.7 |
| 9 | Germany | 89.8 | 81 | Albania | 38.9 |
| 10 | Australia | 89.7 | 82 | Dominican Republic | 38.2 |
| 11 | United States | 89.4 | 83 | Gabon | 37.8 |
| 12 | Denmark | 89.1 | 84 | Argentina | 37.4 |
| 13 | Austria | 88.2 | 85 | Ghana | 37.2 |
| 14 | Hong Kong SAR | 85.6 | 86 | Paraguay | 36.9 |
| 14 | United Kingdom | 85.6 | 87 | Venezuela | 36.2 |
| 16 | France | 85.2 | 88 | Bolivia | 36.1 |
| 16 | New Zealand | 85.2 | 89 | Armenia | 35.9 |
| 18 | Chile | 82.1 | 90 | Nigeria | 35.8 |
| 19 | Japan | 81.1 | 91 | Georgia | 35.7 |
| 20 | Qatar | 80.2 | 92 | Senegal | 35.2 |
| 21 | Taiwan, China | 79.7 | 93 | Uganda | 35.0 |
| 22 | China | 79.6 | 94 | Ukraine | 34.4 |
| 23 | Belgium | 79.4 | 95 | Mongolia | 33.9 |
| 24 | Korea, Rep. | 78.5 | 96 | Zambia | 33.3 |
| 25 | Slovenia | 78.4 | 97 | Lesotho | 33.2 |
| 26 | United Arab Emirates | 75.9 | 98 | Sri Lanka | 32.8 |
| 27 | Kuwait | 75.8 | 98 | Suriname | 32.8 |
| 28 | Czech Republic | 74.7 | 100 | Lebanon | 32.5 |
| 29 | Saudi Arabia | 74.4 | 101 | Libya | 31.6 |
| 30 | Slovak Republic | 74.1 | 102 | Cape Verde | 31.5 |
| 31 | Malta | 73.3 | 103 | Honduras | 30.6 |
| 32 | Malaysia | 72.8 | 104 | Tanzania | 30.3 |
| 33 | Israel | 71.9 | 105 | Bangladesh | 29.8 |
| 34 | Brazil | 70.9 | 106 | Kenya | 29.1 |
| 35 | Poland | 70.5 | 107 | Jamaica | 29.0 |
| 36 | Oman | 69.7 | 108 | Iran, Islamic Rep. | 28.7 |
| 37 | Estonia | 68.5 | 109 | Bosnia and Herzegovina | 28.5 |
| 38 | Mexico | 68.4 | 110 | Mozambique | 27.9 |
| 39 | Russian Federation | 66.9 | 111 | Guyana | 26.7 |
| 40 | Italy | 66.5 | 112 | Moldova | 26.5 |
| 41 | Spain | 64.7 | 113 | Cambodia | 25.4 |
| 42 | Colombia | 64.6 | 114 | Cameroon | 24.6 |
| 43 | India | 64.0 | 115 | Kyrgyz Republic | 24.5 |
| 44 | Peru | 63.7 | 116 | Ecuador | 24.4 |
| 45 | Thailand | 63.2 | 116 | Pakistan | 24.4 |
| 46 | Trinidad and Tobago | 63.1 | 118 | Benin | 24.2 |
| 47 | Panama | 62.4 | 119 | Mali | 23.7 |
| 48 | South Africa | 61.4 | 120 | Rwanda | 23.4 |
| 49 | Botswana | 60.0 | 121 | Nicaragua | 23.0 |
| 50 | Barbados | 59.7 | 122 | Burkina Faso | 22.2 |
| 51 | Bahrain | 58.4 | 123 | Swaziland | 21.4 |
| 52 | Cyprus | 58.0 | 124 | Gambia, The | 21.1 |
| 52 | Indonesia | 58.0 | 125 | Mauritania | 20.1 |
| 54 | Costa Rica | 57.6 | 125 | Yemen | 20.1 |
| 55 | Uruguay | 57.3 | 127 | Nepal | 20.0 |
| 56 | Lithuania | 57.0 | 128 | Malawi | 19.9 |
| 57 | Kazakhstan | 55.0 | 129 | Greece | 19.6 |
| 58 | Turkey | 54.5 | 129 | Timor-Leste | 19.6 |
| 59 | Algeria | 53.7 | 131 | Seychelles | 19.5 |
| 60 | Philippines | 53.6 | 132 | Côte d'Ivoire | 18.2 |
| 61 | Mauritius | 53.5 | 133 | Madagascar | 18.1 |
| 62 | Latvia | 53.3 | 134 | Tajikistan | 17.9 |
| 63 | Hungary | 53.1 | 135 | Ethiopia | 17.6 |
| 64 | Croatia | 52.5 | 136 | Sierra Leone | 16.6 |
| 64 | Morocco | 52.5 | 137 | Liberia | 16.3 |
| 66 | Ireland | 51.9 | 138 | Chad | 15.7 |
| 67 | Bulgaria | 51.8 | 139 | Burundi | 12.6 |
| 68 | Namibia | 51.0 | 139 | Haiti | 12.6 |
| 69 | Iceland | 50.4 | 141 | Guinea | 11.8 |
| 70 | Azerbaijan | 49.8 | 142 | Zimbabwe | 5.3 |
| 71 | Romania | 48.8 | n/a | Brunei Darussalam | n/a |
| 72 | Portugal | 46.5 | n/a | Puerto Rico | n/a |

SOURCE: Institutional Investor

Pillar 4

Health and primary education

4.01 Business impact of malaria

How serious an impact do you consider malaria will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|-----------------------------|---------|---|----------|---|------|-------------------------|-------|---|----------|---|
| 1 | Albania..... | n/appl. | | | | 73 | Turkey..... | 6.5 | | | |
| 1 | Armenia..... | n/appl. | | | | 74 | Mexico..... | 6.3 | | | |
| 1 | Australia..... | n/appl. | | | | 75 | Saudi Arabia..... | 6.3 | | | |
| 1 | Austria..... | n/appl. | | | | 76 | Costa Rica..... | 6.3 | | | |
| 1 | Bahrain..... | n/appl. | | | | 77 | Panama..... | 6.2 | | | |
| 1 | Barbados..... | n/appl. | | | | 78 | Sri Lanka..... | 6.2 | | | |
| 1 | Belgium..... | n/appl. | | | | 79 | Iran, Islamic Rep..... | 6.1 | | | |
| 1 | Bosnia and Herzegovina..... | n/appl. | | | | 80 | Kyrgyz Republic..... | 6.1 | | | |
| 1 | Brunei Darussalam..... | n/appl. | | | | 81 | El Salvador..... | 6.0 | | | |
| 1 | Bulgaria..... | n/appl. | | | | 82 | Azerbaijan..... | 5.9 | | | |
| 1 | Canada..... | n/appl. | | | | 83 | Brazil..... | 5.9 | | | |
| 1 | Chile..... | n/appl. | | | | 84 | Thailand..... | 5.9 | | | |
| 1 | Croatia..... | n/appl. | | | | 85 | Korea, Rep..... | 5.8 | | | |
| 1 | Cyprus..... | n/appl. | | | | 86 | Georgia..... | 5.7 | | | |
| 1 | Czech Republic..... | n/appl. | | | | 87 | Suriname..... | 5.7 | | | |
| 1 | Denmark..... | n/appl. | | | | 88 | Paraguay..... | 5.6 | | | |
| 1 | Egypt..... | n/appl. | | | | 89 | China..... | 5.6 | | | |
| 1 | Estonia..... | n/appl. | | | | 90 | Peru..... | 5.5 | | | |
| 1 | Finland..... | n/appl. | | | | 91 | Algeria..... | 5.5 | | | |
| 1 | France..... | n/appl. | | | | 92 | Dominican Republic..... | 5.5 | | | |
| 1 | Germany..... | n/appl. | | | | 93 | Bangladesh..... | 5.5 | | | |
| 1 | Greece..... | n/appl. | | | | 94 | Guatemala..... | 5.4 | | | |
| 1 | Hong Kong SAR..... | n/appl. | | | | 95 | Nicaragua..... | 5.3 | | | |
| 1 | Hungary..... | n/appl. | | | | 96 | Venezuela..... | 5.3 | | | |
| 1 | Iceland..... | n/appl. | | | | 97 | Cape Verde..... | 5.2 | | | |
| 1 | Ireland..... | n/appl. | | | | 98 | Nepal..... | 5.2 | | | |
| 1 | Israel..... | n/appl. | | | | 99 | Malaysia..... | 5.2 | | | |
| 1 | Italy..... | n/appl. | | | | 100 | South Africa..... | 5.1 | | | |
| 1 | Jamaica..... | n/appl. | | | | 101 | Colombia..... | 5.1 | | | |
| 1 | Japan..... | n/appl. | | | | 102 | Philippines..... | 5.1 | | | |
| 1 | Jordan..... | n/appl. | | | | 103 | Honduras..... | 5.1 | | | |
| 1 | Kazakhstan..... | n/appl. | | | | 104 | Botswana..... | 5.1 | | | |
| 1 | Kuwait..... | n/appl. | | | | 105 | Ecuador..... | 5.0 | | | |
| 1 | Latvia..... | n/appl. | | | | 106 | Vietnam..... | 4.8 | | | |
| 1 | Lebanon..... | n/appl. | | | | 107 | Cambodia..... | 4.8 | | | |
| 1 | Lesotho..... | n/appl. | | | | 108 | Yemen..... | 4.7 | | | |
| 1 | Libya..... | n/appl. | | | | 109 | Guyana..... | 4.6 | | | |
| 1 | Lithuania..... | n/appl. | | | | 110 | India..... | 4.5 | | | |
| 1 | Luxembourg..... | n/appl. | | | | 111 | Mauritania..... | 4.4 | | | |
| 1 | Macedonia, FYR..... | n/appl. | | | | 112 | Tajikistan..... | 4.4 | | | |
| 1 | Malta..... | n/appl. | | | | 113 | Indonesia..... | 4.4 | | | |
| 1 | Mauritius..... | n/appl. | | | | 114 | Zimbabwe..... | 4.3 | | | |
| 1 | Moldova..... | n/appl. | | | | 115 | Rwanda..... | 4.2 | | | |
| 1 | Mongolia..... | n/appl. | | | | 116 | Ethiopia..... | 4.2 | | | |
| 1 | Montenegro..... | n/appl. | | | | 117 | Swaziland..... | 4.1 | | | |
| 1 | Morocco..... | n/appl. | | | | 118 | Pakistan..... | 4.1 | | | |
| 1 | Netherlands..... | n/appl. | | | | 119 | Bolivia..... | 4.1 | | | |
| 1 | New Zealand..... | n/appl. | | | | 120 | Senegal..... | 4.1 | | | |
| 1 | Norway..... | n/appl. | | | | 121 | Haiti..... | 4.1 | | | |
| 1 | Oman..... | n/appl. | | | | 122 | Liberia..... | 3.9 | | | |
| 1 | Poland..... | n/appl. | | | | 123 | Benin..... | 3.8 | | | |
| 1 | Portugal..... | n/appl. | | | | 124 | Namibia..... | 3.8 | | | |
| 1 | Puerto Rico..... | n/appl. | | | | 125 | Madagascar..... | 3.6 | | | |
| 1 | Qatar..... | n/appl. | | | | 126 | Côte d'Ivoire..... | 3.6 | | | |
| 1 | Romania..... | n/appl. | | | | 127 | Cameroon..... | 3.4 | | | |
| 1 | Russian Federation..... | n/appl. | | | | 128 | Kenya..... | 3.4 | | | |
| 1 | Serbia..... | n/appl. | | | | 129 | Nigeria..... | 3.4 | | | |
| 1 | Seychelles..... | n/appl. | | | | 130 | Gambia, The..... | 3.4 | | | |
| 1 | Singapore..... | n/appl. | | | | 131 | Burkina Faso..... | 3.2 | | | |
| 1 | Slovak Republic..... | n/appl. | | | | 132 | Gabon..... | 3.1 | | | |
| 1 | Slovenia..... | n/appl. | | | | 133 | Ghana..... | 2.9 | | | |
| 1 | Spain..... | n/appl. | | | | 134 | Mozambique..... | 2.9 | | | |
| 1 | Sweden..... | n/appl. | | | | 135 | Guinea..... | 2.8 | | | |
| 1 | Switzerland..... | n/appl. | | | | 136 | Uganda..... | 2.8 | | | |
| 1 | Taiwan, China..... | n/appl. | | | | 137 | Zambia..... | 2.7 | | | |
| 1 | Trinidad and Tobago..... | n/appl. | | | | 138 | Burundi..... | 2.7 | | | |
| 1 | Ukraine..... | n/appl. | | | | 139 | Malawi..... | 2.5 | | | |
| 1 | United Arab Emirates..... | n/appl. | | | | 140 | Tanzania..... | 2.5 | | | |
| 1 | United Kingdom..... | n/appl. | | | | 141 | Chad..... | 2.4 | | | |
| 1 | United States..... | n/appl. | | | | 142 | Timor-Leste..... | 2.1 | | | |
| 1 | Uruguay..... | n/appl. | | | | 143 | Mali..... | 2.1 | | | |
| 72 | Argentina..... | 6.7 | | | | 144 | Sierra Leone..... | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

NOTE: This indicator does not apply to economies where malaria is not endemic (n/appl.).

4.02 Malaria incidence

Number of malaria cases per 100,000 population | 2009

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------|-------|------|-------------------------|----------|
| 1 | Albania..... | (NE) | 73 | Kyrgyz Republic..... | 0.1 |
| 1 | Armenia..... | 0.0 | 74 | Turkey..... | 0.1 |
| 1 | Australia..... | (NE) | 75 | Georgia..... | 0.2 |
| 1 | Austria..... | (NE) | 76 | Saudi Arabia..... | 0.3 |
| 1 | Bahrain..... | (NE) | 77 | El Salvador..... | 0.4 |
| 1 | Barbados..... | (NE) | 78 | Argentina..... | 0.7 |
| 1 | Belgium..... | (NE) | 79 | Azerbaijan..... | 1.0 |
| 1 | Bosnia and Herzegovina..... | (NE) | 80 | China..... | 2.0 |
| 1 | Brunei Darussalam..... | (NE) | 81 | Paraguay..... | 2.3 |
| 1 | Bulgaria..... | (NE) | 82 | Mexico..... | 2.8 |
| 1 | Canada..... | (NE) | 83 | Tajikistan..... | 3.8 |
| 1 | Chile..... | (NE) | 84 | Iran, Islamic Rep..... | 7.2 |
| 1 | Croatia..... | (NE) | 85 | Korea, Rep..... | 7.9 |
| 1 | Cyprus..... | (NE) | 86 | Costa Rica..... | 13.7 |
| 1 | Czech Republic..... | (NE) | 87 | Sri Lanka..... | 14.9 |
| 1 | Denmark..... | (NE) | 88 | Nicaragua..... | 20.0 |
| 1 | Egypt..... | 0.0 | 89 | South Africa..... | 31.8 |
| 1 | Estonia..... | (NE) | 90 | Panama..... | 35.6 |
| 1 | Finland..... | (NE) | 91 | Dominican Republic..... | 41.8 |
| 1 | France..... | (NE) | 92 | Ecuador..... | 51.4 |
| 1 | Germany..... | (NE) | 93 | Vietnam..... | 57.6 |
| 1 | Greece..... | (NE) | 94 | Nepal..... | 60.5 |
| 1 | Hong Kong SAR..... | (NE) | 95 | Philippines..... | 67.9 |
| 1 | Hungary..... | (NE) | 96 | Cape Verde..... | 68.8 |
| 1 | Iceland..... | (NE) | 97 | Malaysia..... | 70.8 |
| 1 | Ireland..... | (NE) | 98 | Swaziland..... | 88.8 |
| 1 | Israel..... | (NE) | 99 | Bolivia..... | 177.1 |
| 1 | Italy..... | (NE) | 100 | Brazil..... | 201.8 |
| 1 | Jamaica..... | (NE) | 101 | Guatemala..... | 210.0 |
| 1 | Japan..... | (NE) | 102 | Botswana..... | 232.9 |
| 1 | Jordan..... | (NE) | 103 | Thailand..... | 260.7 |
| 1 | Kazakhstan..... | (NE) | 104 | Venezuela..... | 301.8 |
| 1 | Kuwait..... | (NE) | 105 | Peru..... | 311.1 |
| 1 | Latvia..... | (NE) | 106 | Honduras..... | 368.1 |
| 1 | Lebanon..... | (NE) | 107 | Colombia..... | 386.8 |
| 1 | Lesotho..... | (NE) | 108 | Suriname..... | 566.9 |
| 1 | Libya..... | (NE) | 109 | Bangladesh..... | 619.9 |
| 1 | Lithuania..... | (NE) | 110 | Pakistan..... | 1,236.9 |
| 1 | Luxembourg..... | (NE) | 111 | Indonesia..... | 1,374.8 |
| 1 | Macedonia, FYR..... | (NE) | 112 | India..... | 1,862.2 |
| 1 | Malta..... | (NE) | 113 | Haiti..... | 2,580.0 |
| 1 | Mauritius..... | (NE) | 114 | Cambodia..... | 2,588.8 |
| 1 | Moldova..... | (NE) | 115 | Ethiopia..... | 2,995.5 |
| 1 | Mongolia..... | (NE) | 116 | Yemen..... | 3,233.9 |
| 1 | Montenegro..... | (NE) | 117 | Namibia..... | 3,764.2 |
| 1 | Morocco..... | (NE) | 118 | Guyana..... | 3,786.6 |
| 1 | Netherlands..... | (NE) | 119 | Madagascar..... | 3,999.8 |
| 1 | New Zealand..... | (NE) | 120 | Rwanda..... | 5,408.5 |
| 1 | Norway..... | (NE) | 121 | Kenya..... | 5,852.6 |
| 1 | Oman..... | 0.0 | 122 | Burundi..... | 8,931.5 |
| 1 | Poland..... | (NE) | 123 | Zimbabwe..... | 11,645.7 |
| 1 | Portugal..... | (NE) | 124 | Mauritania..... | 15,494.9 |
| 1 | Puerto Rico..... | (NE) | 125 | Mali..... | 18,093.2 |
| 1 | Qatar..... | (NE) | 126 | Gabon..... | 19,021.1 |
| 1 | Romania..... | (NE) | 127 | Zambia..... | 22,100.5 |
| 1 | Russian Federation..... | (NE) | 128 | Tanzania..... | 26,132.8 |
| 1 | Serbia..... | (NE) | 129 | Ghana..... | 26,354.5 |
| 1 | Seychelles..... | (NE) | 130 | Cameroon..... | 26,842.0 |
| 1 | Singapore..... | (NE) | 131 | Benin..... | 27,461.1 |
| 1 | Slovak Republic..... | (NE) | 132 | Timor-Leste..... | 27,942.0 |
| 1 | Slovenia..... | (NE) | 133 | Uganda..... | 28,037.4 |
| 1 | Spain..... | (NE) | 134 | Gambia, The..... | 28,226.0 |
| 1 | Sweden..... | (NE) | 135 | Senegal..... | 29,332.2 |
| 1 | Switzerland..... | (NE) | 136 | Liberia..... | 29,414.2 |
| 1 | Taiwan, China..... | (NE) | 137 | Malawi..... | 31,168.8 |
| 1 | Trinidad and Tobago..... | (NE) | 138 | Burkina Faso..... | 31,822.2 |
| 1 | Ukraine..... | (NE) | 139 | Sierra Leone..... | 32,096.4 |
| 1 | United Arab Emirates..... | (NE) | 140 | Mozambique..... | 32,977.9 |
| 1 | United Kingdom..... | (NE) | 141 | Nigeria..... | 36,059.5 |
| 1 | United States..... | (NE) | 142 | Chad..... | 37,881.4 |
| 1 | Uruguay..... | (NE) | 143 | Côte d'Ivoire..... | 38,557.2 |
| 72 | Algeria..... | 0.0 | 144 | Guinea..... | 39,709.6 |

SOURCE: Cibulskis, R.E., M. Aregawi, R. Williams, M. Otten, and C. Dye. 2011. "Worldwide Incidence of Malaria in 2009: Estimates, Time Trends, and a Critique of Methods." *PLoS Med* 8 (12): e1001142. doi: 10.1271/journal.pmed.1001142.

NOTE: (NE) indicates that malaria is not endemic.

4.03 Business impact of tuberculosis

How serious an impact do you consider tuberculosis will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.2 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Norway | 6.8 | | | | 73 | Thailand | 5.3 | | | |
| 2 | Finland | 6.8 | | | | 74 | Bangladesh | 5.3 | | | |
| 3 | Denmark | 6.8 | | | | 75 | Yemen | 5.3 | | | |
| 4 | Sweden | 6.7 | | | | 76 | Dominican Republic | 5.3 | | | |
| 5 | Albania | 6.7 | | | | 77 | Morocco | 5.3 | | | |
| 6 | Iceland | 6.7 | | | | 78 | Armenia | 5.3 | | | |
| 7 | Croatia | 6.7 | | | | 79 | Suriname | 5.2 | | | |
| 8 | Netherlands | 6.7 | | | | 80 | Algeria | 5.2 | | | |
| 9 | Austria | 6.6 | | | | 81 | Honduras | 5.2 | | | |
| 10 | Bosnia and Herzegovina | 6.6 | | | | 82 | Trinidad and Tobago | 5.2 | | | |
| 11 | Uruguay | 6.6 | | | | 83 | Romania | 5.1 | | | |
| 12 | New Zealand | 6.6 | | | | 84 | China | 5.1 | | | |
| 13 | Luxembourg | 6.6 | | | | 85 | Venezuela | 5.1 | | | |
| 14 | Germany | 6.6 | | | | 86 | Malaysia | 5.0 | | | |
| 15 | Belgium | 6.5 | | | | 87 | Peru | 5.0 | | | |
| 16 | Puerto Rico | 6.5 | | | | 88 | Cape Verde | 5.0 | | | |
| 17 | Ireland | 6.5 | | | | 89 | Libya | 4.9 | | | |
| 18 | Switzerland | 6.5 | | | | 90 | Moldova | 4.9 | | | |
| 19 | United Kingdom | 6.5 | | | | 91 | Georgia | 4.9 | | | |
| 20 | Spain | 6.4 | | | | 92 | Mongolia | 4.9 | | | |
| 21 | Greece | 6.4 | | | | 93 | Guyana | 4.9 | | | |
| 22 | Italy | 6.4 | | | | 94 | Ecuador | 4.9 | | | |
| 23 | Slovenia | 6.4 | | | | 95 | Colombia | 4.9 | | | |
| 24 | Canada | 6.3 | | | | 96 | Egypt | 4.8 | | | |
| 25 | Australia | 6.3 | | | | 97 | Kyrgyz Republic | 4.8 | | | |
| 26 | France | 6.3 | | | | 98 | Brunei Darussalam | 4.8 | | | |
| 27 | Saudi Arabia | 6.3 | | | | 99 | El Salvador | 4.8 | | | |
| 28 | Argentina | 6.3 | | | | 100 | Azerbaijan | 4.7 | | | |
| 29 | Jordan | 6.2 | | | | 101 | Mauritania | 4.7 | | | |
| 30 | Slovak Republic | 6.2 | | | | 102 | India | 4.6 | | | |
| 31 | Hungary | 6.2 | | | | 103 | Madagascar | 4.6 | | | |
| 32 | Costa Rica | 6.2 | | | | 104 | Cambodia | 4.6 | | | |
| 33 | Turkey | 6.2 | | | | 105 | Cameroon | 4.6 | | | |
| 34 | Sri Lanka | 6.1 | | | | 106 | Gambia, The | 4.5 | | | |
| 35 | Serbia | 6.0 | | | | 107 | Burkina Faso | 4.5 | | | |
| 36 | Montenegro | 6.0 | | | | 108 | Senegal | 4.5 | | | |
| 37 | Lebanon | 6.0 | | | | 109 | Nepal | 4.5 | | | |
| 38 | Israel | 6.0 | | | | 110 | Liberia | 4.4 | | | |
| 39 | Cyprus | 6.0 | | | | 111 | Mali | 4.4 | | | |
| 40 | Mexico | 6.0 | | | | 112 | Kazakhstan | 4.4 | | | |
| 41 | Estonia | 5.9 | | | | 113 | Côte d'Ivoire | 4.4 | | | |
| 42 | Portugal | 5.9 | | | | 114 | Rwanda | 4.4 | | | |
| 43 | Panama | 5.9 | | | | 115 | Benin | 4.3 | | | |
| 44 | Poland | 5.9 | | | | 116 | Philippines | 4.3 | | | |
| 45 | Bahrain | 5.9 | | | | 117 | Seychelles | 4.3 | | | |
| 46 | Chile | 5.9 | | | | 118 | Nigeria | 4.3 | | | |
| 47 | Barbados | 5.8 | | | | 119 | Vietnam | 4.3 | | | |
| 48 | Czech Republic | 5.8 | | | | 120 | Pakistan | 4.2 | | | |
| 49 | Brazil | 5.8 | | | | 121 | Haiti | 4.2 | | | |
| 50 | Jamaica | 5.8 | | | | 122 | Ghana | 4.1 | | | |
| 51 | Malta | 5.7 | | | | 123 | Tajikistan | 4.1 | | | |
| 52 | Taiwan, China | 5.7 | | | | 124 | Sierra Leone | 4.1 | | | |
| 53 | Mauritius | 5.7 | | | | 125 | Uganda | 4.0 | | | |
| 54 | Singapore | 5.7 | | | | 126 | Indonesia | 3.9 | | | |
| 55 | Guatemala | 5.6 | | | | 127 | Gabon | 3.8 | | | |
| 56 | Kuwait | 5.6 | | | | 128 | Kenya | 3.7 | | | |
| 57 | Iran, Islamic Rep. | 5.6 | | | | 129 | Ethiopia | 3.7 | | | |
| 58 | Lithuania | 5.6 | | | | 130 | Botswana | 3.7 | | | |
| 59 | United States | 5.6 | | | | 131 | Zimbabwe | 3.6 | | | |
| 60 | Japan | 5.6 | | | | 132 | South Africa | 3.5 | | | |
| 61 | Hong Kong SAR | 5.6 | | | | 133 | Tanzania | 3.5 | | | |
| 62 | United Arab Emirates | 5.5 | | | | 134 | Malawi | 3.4 | | | |
| 63 | Qatar | 5.5 | | | | 135 | Guinea | 3.4 | | | |
| 64 | Latvia | 5.4 | | | | 136 | Zambia | 3.3 | | | |
| 65 | Ukraine | 5.4 | | | | 137 | Bolivia | 3.2 | | | |
| 66 | Oman | 5.4 | | | | 138 | Mozambique | 3.2 | | | |
| 67 | Nicaragua | 5.4 | | | | 139 | Namibia | 3.1 | | | |
| 68 | Bulgaria | 5.4 | | | | 140 | Lesotho | 3.0 | | | |
| 69 | Macedonia, FYR | 5.4 | | | | 141 | Chad | 3.0 | | | |
| 70 | Russian Federation | 5.4 | | | | 142 | Burundi | 3.0 | | | |
| 71 | Paraguay | 5.4 | | | | 143 | Timor-Leste | 2.8 | | | |
| 72 | Korea, Rep. | 5.4 | | | | 144 | Swaziland | 2.3 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

4.04 Tuberculosis incidence

Number of tuberculosis cases per 100,000 population | 2010

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------|-------|------|-------------------------|---------|
| 1 | Barbados..... | 1.7 | 73 | Honduras..... | 51.0 |
| 2 | Puerto Rico..... | 2.2 | 74 | Burkina Faso..... | 55.0 |
| 3 | United Arab Emirates..... | 3.1 | 75 | Guatemala..... | 62.0 |
| 4 | United States..... | 4.1 | 76 | Ecuador..... | 65.0 |
| 5 | Cyprus..... | 4.4 | 77 | Sri Lanka..... | 66.0 |
| 6 | Greece..... | 4.6 | 78 | Dominican Republic..... | 67.0 |
| 7 | Canada..... | 4.7 | 79 | Brunei Darussalam..... | 68.0 |
| 8 | Germany..... | 4.8 | 79 | Mali..... | 68.0 |
| 9 | Israel..... | 4.9 | 81 | Lithuania..... | 69.0 |
| 9 | Italy..... | 4.9 | 82 | Armenia..... | 73.0 |
| 11 | Austria..... | 5.0 | 83 | Taiwan, China..... | 75.0 |
| 11 | Iceland..... | 5.0 | 84 | China..... | 78.0 |
| 13 | Jordan..... | 5.4 | 85 | Hong Kong SAR..... | 80.0 |
| 14 | Denmark..... | 6.0 | 86 | Malaysia..... | 82.0 |
| 14 | Norway..... | 6.0 | 87 | Ghana..... | 86.0 |
| 16 | Australia..... | 6.3 | 88 | Algeria..... | 90.0 |
| 17 | Jamaica..... | 6.6 | 89 | Morocco..... | 91.0 |
| 18 | Finland..... | 6.7 | 90 | Benin..... | 94.0 |
| 19 | Czech Republic..... | 6.8 | 91 | Korea, Rep..... | 97.0 |
| 19 | Sweden..... | 6.8 | 92 | Ukraine..... | 101.0 |
| 21 | Netherlands..... | 7.3 | 93 | Peru..... | 106.0 |
| 22 | New Zealand..... | 7.6 | 93 | Russian Federation..... | 106.0 |
| 22 | Switzerland..... | 7.6 | 93 | Rwanda..... | 106.0 |
| 24 | Slovak Republic..... | 8.0 | 96 | Georgia..... | 107.0 |
| 25 | Ireland..... | 8.1 | 97 | Azerbaijan..... | 110.0 |
| 26 | Belgium..... | 8.7 | 98 | Guyana..... | 111.0 |
| 27 | Luxembourg..... | 8.8 | 99 | Romania..... | 116.0 |
| 28 | France..... | 9.3 | 100 | Burundi..... | 129.0 |
| 29 | Slovenia..... | 11.0 | 101 | Nigeria..... | 133.0 |
| 30 | Malta..... | 12.0 | 102 | Bolivia..... | 135.0 |
| 31 | Costa Rica..... | 13.0 | 103 | Thailand..... | 137.0 |
| 31 | Oman..... | 13.0 | 104 | Côte d'Ivoire..... | 139.0 |
| 31 | United Kingdom..... | 13.0 | 105 | Suriname..... | 145.0 |
| 34 | Albania..... | 14.0 | 106 | Cape Verde..... | 147.0 |
| 35 | Hungary..... | 15.0 | 107 | Kazakhstan..... | 151.0 |
| 36 | Mexico..... | 16.0 | 108 | Kyrgyz Republic..... | 159.0 |
| 36 | Spain..... | 16.0 | 109 | Nepal..... | 163.0 |
| 38 | Iran, Islamic Rep..... | 17.0 | 110 | Cameroon..... | 177.0 |
| 38 | Lebanon..... | 17.0 | 110 | Tanzania..... | 177.0 |
| 40 | Egypt..... | 18.0 | 112 | Moldova..... | 182.0 |
| 40 | Saudi Arabia..... | 18.0 | 113 | India..... | 185.0 |
| 40 | Serbia..... | 18.0 | 114 | Indonesia..... | 189.0 |
| 43 | Chile..... | 19.0 | 115 | Vietnam..... | 199.0 |
| 43 | Montenegro..... | 19.0 | 116 | Tajikistan..... | 206.0 |
| 43 | Trinidad and Tobago..... | 19.0 | 117 | Uganda..... | 209.0 |
| 46 | Croatia..... | 21.0 | 118 | Malawi..... | 219.0 |
| 46 | Japan..... | 21.0 | 119 | Mongolia..... | 224.0 |
| 46 | Macedonia, FYR..... | 21.0 | 120 | Bangladesh..... | 225.0 |
| 46 | Uruguay..... | 21.0 | 121 | Haiti..... | 230.0 |
| 50 | Mauritius..... | 22.0 | 122 | Pakistan..... | 231.0 |
| 51 | Bahrain..... | 23.0 | 123 | Ethiopia..... | 261.0 |
| 51 | Poland..... | 23.0 | 124 | Madagascar..... | 266.0 |
| 53 | Estonia..... | 25.0 | 125 | Gambia, The..... | 273.0 |
| 54 | Argentina..... | 27.0 | 126 | Philippines..... | 275.0 |
| 55 | El Salvador..... | 28.0 | 127 | Chad..... | 276.0 |
| 55 | Turkey..... | 28.0 | 128 | Senegal..... | 288.0 |
| 57 | Portugal..... | 29.0 | 129 | Liberia..... | 293.0 |
| 58 | Seychelles..... | 31.0 | 130 | Kenya..... | 298.0 |
| 59 | Venezuela..... | 33.0 | 131 | Guinea..... | 334.0 |
| 60 | Colombia..... | 34.0 | 132 | Mauritania..... | 337.0 |
| 61 | Singapore..... | 35.0 | 133 | Cambodia..... | 437.0 |
| 62 | Qatar..... | 38.0 | 134 | Zambia..... | 462.0 |
| 63 | Latvia..... | 39.0 | 135 | Timor-Leste..... | 498.0 |
| 64 | Bulgaria..... | 40.0 | 136 | Botswana..... | 503.0 |
| 64 | Libya..... | 40.0 | 137 | Mozambique..... | 544.0 |
| 66 | Kuwait..... | 41.0 | 138 | Gabon..... | 553.0 |
| 67 | Nicaragua..... | 42.0 | 139 | Namibia..... | 603.0 |
| 68 | Brazil..... | 43.0 | 140 | Lesotho..... | 633.0 |
| 69 | Paraguay..... | 46.0 | 140 | Zimbabwe..... | 633.0 |
| 70 | Panama..... | 48.0 | 142 | Sierra Leone..... | 682.0 |
| 71 | Yemen..... | 49.0 | 143 | South Africa..... | 981.0 |
| 72 | Bosnia and Herzegovina..... | 50.0 | 144 | Swaziland..... | 1,287.0 |

SOURCE: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

4.05 Business impact of HIV/AIDS

How serious an impact do you consider HIV/AIDS will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Finland | 6.7 | | | | 73 | Kazakhstan | 5.2 | | | |
| 2 | Bosnia and Herzegovina | 6.7 | | | | 74 | Brazil | 5.2 | | | |
| 3 | Denmark | 6.6 | | | | 75 | Liberia | 5.2 | | | |
| 4 | Albania | 6.6 | | | | 76 | Georgia | 5.2 | | | |
| 5 | Norway | 6.6 | | | | 77 | Nicaragua | 5.2 | | | |
| 6 | Croatia | 6.6 | | | | 78 | Brunei Darussalam | 5.2 | | | |
| 7 | Iceland | 6.5 | | | | 79 | Paraguay | 5.1 | | | |
| 8 | Sweden | 6.5 | | | | 80 | Korea, Rep. | 5.1 | | | |
| 9 | Austria | 6.4 | | | | 81 | Morocco | 5.1 | | | |
| 10 | Israel | 6.4 | | | | 82 | Madagascar | 5.1 | | | |
| 11 | New Zealand | 6.4 | | | | 83 | Philippines | 5.1 | | | |
| 12 | Turkey | 6.3 | | | | 84 | Puerto Rico | 5.1 | | | |
| 13 | Netherlands | 6.3 | | | | 85 | Mauritius | 5.1 | | | |
| 14 | Ireland | 6.3 | | | | 86 | Egypt | 5.1 | | | |
| 15 | Hungary | 6.3 | | | | 87 | Peru | 5.0 | | | |
| 16 | Luxembourg | 6.3 | | | | 88 | Cape Verde | 5.0 | | | |
| 17 | Sri Lanka | 6.3 | | | | 89 | Dominican Republic | 5.0 | | | |
| 18 | Slovenia | 6.2 | | | | 90 | United States | 5.0 | | | |
| 19 | Jordan | 6.2 | | | | 91 | Malaysia | 4.9 | | | |
| 20 | Germany | 6.2 | | | | 92 | El Salvador | 4.9 | | | |
| 21 | Greece | 6.1 | | | | 93 | Venezuela | 4.9 | | | |
| 22 | Spain | 6.1 | | | | 94 | Qatar | 4.9 | | | |
| 23 | Saudi Arabia | 6.1 | | | | 95 | Senegal | 4.8 | | | |
| 24 | Lithuania | 6.1 | | | | 96 | Gambia, The | 4.8 | | | |
| 25 | Uruguay | 6.1 | | | | 97 | Mauritania | 4.7 | | | |
| 26 | Slovak Republic | 6.1 | | | | 98 | Cambodia | 4.7 | | | |
| 27 | Switzerland | 6.0 | | | | 99 | Guyana | 4.6 | | | |
| 28 | Belgium | 6.0 | | | | 100 | Honduras | 4.6 | | | |
| 29 | Serbia | 6.0 | | | | 101 | Nepal | 4.6 | | | |
| 30 | Poland | 5.9 | | | | 102 | India | 4.6 | | | |
| 31 | United Kingdom | 5.9 | | | | 103 | Thailand | 4.6 | | | |
| 32 | Taiwan, China | 5.9 | | | | 104 | Colombia | 4.6 | | | |
| 33 | Italy | 5.9 | | | | 105 | Jamaica | 4.6 | | | |
| 34 | Montenegro | 5.9 | | | | 106 | Pakistan | 4.5 | | | |
| 35 | Australia | 5.9 | | | | 107 | Suriname | 4.5 | | | |
| 36 | Bahrain | 5.8 | | | | 108 | Tajikistan | 4.5 | | | |
| 37 | Canada | 5.8 | | | | 109 | Burkina Faso | 4.5 | | | |
| 38 | Yemen | 5.8 | | | | 110 | Vietnam | 4.4 | | | |
| 39 | Kuwait | 5.8 | | | | 111 | Haiti | 4.4 | | | |
| 40 | Cyprus | 5.8 | | | | 112 | Ecuador | 4.4 | | | |
| 41 | Portugal | 5.8 | | | | 113 | Panama | 4.4 | | | |
| 42 | Ukraine | 5.7 | | | | 114 | Nigeria | 4.3 | | | |
| 43 | Moldova | 5.7 | | | | 115 | Cameroon | 4.3 | | | |
| 44 | United Arab Emirates | 5.7 | | | | 116 | Sierra Leone | 4.3 | | | |
| 45 | Estonia | 5.7 | | | | 117 | Côte d'Ivoire | 4.3 | | | |
| 46 | Armenia | 5.7 | | | | 118 | Benin | 4.2 | | | |
| 47 | France | 5.7 | | | | 119 | Barbados | 4.2 | | | |
| 48 | Latvia | 5.6 | | | | 120 | Ghana | 4.0 | | | |
| 49 | Lebanon | 5.6 | | | | 121 | Mali | 4.0 | | | |
| 50 | Bangladesh | 5.6 | | | | 122 | Rwanda | 4.0 | | | |
| 51 | Mongolia | 5.6 | | | | 123 | Trinidad and Tobago | 4.0 | | | |
| 52 | Chile | 5.6 | | | | 124 | Indonesia | 4.0 | | | |
| 53 | Malta | 5.5 | | | | 125 | Timor-Leste | 3.8 | | | |
| 54 | Argentina | 5.5 | | | | 126 | Ethiopia | 3.7 | | | |
| 55 | Japan | 5.5 | | | | 127 | Gabon | 3.7 | | | |
| 56 | Russian Federation | 5.5 | | | | 128 | Seychelles | 3.6 | | | |
| 57 | Singapore | 5.5 | | | | 129 | Guinea | 3.3 | | | |
| 58 | Romania | 5.5 | | | | 130 | Kenya | 3.3 | | | |
| 59 | Costa Rica | 5.5 | | | | 131 | Tanzania | 3.2 | | | |
| 60 | Kyrgyz Republic | 5.5 | | | | 132 | Uganda | 3.1 | | | |
| 61 | Guatemala | 5.5 | | | | 133 | Zimbabwe | 3.1 | | | |
| 62 | Iran, Islamic Rep. | 5.5 | | | | 134 | Bolivia | 3.0 | | | |
| 63 | Bulgaria | 5.5 | | | | 135 | South Africa | 3.0 | | | |
| 64 | Hong Kong SAR | 5.5 | | | | 136 | Botswana | 3.0 | | | |
| 65 | Azerbaijan | 5.4 | | | | 137 | Mozambique | 2.9 | | | |
| 66 | Macedonia, FYR | 5.4 | | | | 138 | Chad | 2.9 | | | |
| 67 | Czech Republic | 5.4 | | | | 139 | Zambia | 2.8 | | | |
| 68 | Mexico | 5.4 | | | | 140 | Lesotho | 2.8 | | | |
| 69 | Algeria | 5.3 | | | | 141 | Burundi | 2.7 | | | |
| 70 | China | 5.3 | | | | 142 | Namibia | 2.6 | | | |
| 71 | Oman | 5.2 | | | | 143 | Malawi | 2.6 | | | |
| 72 | Libya | 5.2 | | | | 144 | Swaziland | 2.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

4.06 HIV prevalence

HIV prevalence as a percentage of adults aged 15–49 years | 2009 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-------------------------------------|-------|------|--------------------------|-------|
| 1 | Albania ⁵ | <0.1 | 68 | Kyrgyz Republic | 0.3 |
| 1 | Bahrain ² | <0.1 | 68 | Luxembourg | 0.3 |
| 1 | Bosnia and Herzegovina ² | <0.1 | 68 | Mexico | 0.3 |
| 1 | Brunei Darussalam | 0.0 | 68 | Paraguay | 0.3 |
| 1 | Cyprus ⁴ | <0.1 | 77 | Puerto Rico ⁴ | 0.3 |
| 1 | Hong Kong SAR | 0.0 | 78 | Chile | 0.4 |
| 1 | Jordan ⁵ | 0.0 | 78 | Ecuador | 0.4 |
| 1 | Macedonia, FYR ⁴ | 0.0 | 78 | France | 0.4 |
| 1 | Montenegro ⁵ | 0.0 | 78 | Moldova | 0.4 |
| 1 | Saudi Arabia ⁵ | 0.0 | 78 | Nepal | 0.4 |
| 1 | United Arab Emirates ⁵ | 0.0 | 78 | Peru | 0.4 |
| 12 | Algeria | 0.1 | 78 | Spain | 0.4 |
| 12 | Armenia | 0.1 | 78 | Switzerland | 0.4 |
| 12 | Australia | 0.1 | 78 | Vietnam | 0.4 |
| 12 | Azerbaijan | 0.1 | 87 | Argentina | 0.5 |
| 12 | Bangladesh | 0.1 | 87 | Cambodia | 0.5 |
| 12 | Bulgaria | 0.1 | 87 | Colombia | 0.5 |
| 12 | China | 0.1 | 87 | Malaysia | 0.5 |
| 12 | Croatia | 0.1 | 87 | Uruguay | 0.5 |
| 12 | Czech Republic | 0.1 | 92 | Brazil | 0.6 |
| 12 | Egypt | 0.1 | 92 | Portugal | 0.6 |
| 12 | Finland | 0.1 | 92 | United States | 0.6 |
| 12 | Georgia | 0.1 | 95 | Latvia | 0.7 |
| 12 | Germany | 0.1 | 95 | Mauritania | 0.7 |
| 12 | Greece | 0.1 | 95 | Venezuela ¹ | 0.7 |
| 12 | Hungary | 0.1 | 98 | Cape Verde ³ | 0.8 |
| 12 | Japan | 0.1 | 98 | El Salvador | 0.8 |
| 12 | Kazakhstan | 0.1 | 98 | Guatemala | 0.8 |
| 12 | Korea, Rep. | 0.1 | 98 | Honduras | 0.8 |
| 12 | Lebanon | 0.1 | 102 | Dominican Republic | 0.9 |
| 12 | Lithuania | 0.1 | 102 | Panama | 0.9 |
| 12 | Malta | 0.1 | 102 | Senegal | 0.9 |
| 12 | Mongolia | 0.1 | 105 | Mali | 1.0 |
| 12 | Morocco | 0.1 | 105 | Mauritius | 1.0 |
| 12 | New Zealand | 0.1 | 105 | Russian Federation | 1.0 |
| 12 | Norway | 0.1 | 105 | Suriname | 1.0 |
| 12 | Oman | 0.1 | 109 | Ukraine | 1.1 |
| 12 | Pakistan | 0.1 | 110 | Benin | 1.2 |
| 12 | Philippines | 0.1 | 110 | Burkina Faso | 1.2 |
| 12 | Poland | 0.1 | 110 | Estonia | 1.2 |
| 12 | Qatar | 0.1 | 110 | Guyana | 1.2 |
| 12 | Romania | 0.1 | 114 | Guinea | 1.3 |
| 12 | Serbia | 0.1 | 114 | Thailand | 1.3 |
| 12 | Singapore | 0.1 | 116 | Barbados | 1.4 |
| 12 | Slovak Republic | 0.1 | 117 | Liberia | 1.5 |
| 12 | Slovenia | 0.1 | 117 | Trinidad and Tobago | 1.5 |
| 12 | Sri Lanka | 0.1 | 119 | Sierra Leone | 1.6 |
| 12 | Sweden | 0.1 | 120 | Jamaica | 1.7 |
| 12 | Turkey | 0.1 | 121 | Ghana | 1.8 |
| 50 | Kuwait ² | <0.2 | 122 | Haiti | 1.9 |
| 50 | Libya ² | <0.2 | 123 | Gambia, The | 2.0 |
| 50 | Timor-Leste ¹ | <0.2 | 124 | Ethiopia ² | 2.1 |
| 53 | Taiwan, China ⁵ | 0.2 | 125 | Rwanda | 2.9 |
| 54 | Belgium | 0.2 | 126 | Seychelles ⁴ | 3.0 |
| 54 | Bolivia | 0.2 | 127 | Burundi | 3.3 |
| 54 | Canada | 0.2 | 128 | Chad | 3.4 |
| 54 | Denmark | 0.2 | 128 | Côte d'Ivoire | 3.4 |
| 54 | Indonesia | 0.2 | 130 | Nigeria | 3.6 |
| 54 | Iran, Islamic Rep. | 0.2 | 131 | Gabon | 5.2 |
| 54 | Ireland | 0.2 | 132 | Cameroon | 5.3 |
| 54 | Israel | 0.2 | 133 | Tanzania | 5.6 |
| 54 | Madagascar | 0.2 | 134 | Kenya | 6.3 |
| 54 | Netherlands | 0.2 | 135 | Uganda | 6.5 |
| 54 | Nicaragua | 0.2 | 136 | Malawi | 11.0 |
| 54 | Tajikistan | 0.2 | 137 | Mozambique | 11.5 |
| 54 | United Kingdom | 0.2 | 138 | Namibia | 13.1 |
| 54 | Yemen ⁵ | 0.2 | 139 | Zambia | 13.5 |
| 68 | Austria | 0.3 | 140 | Zimbabwe | 14.3 |
| 68 | Costa Rica | 0.3 | 141 | South Africa | 17.8 |
| 68 | Iceland | 0.3 | 142 | Lesotho | 23.6 |
| 68 | India | 0.3 | 143 | Botswana | 24.8 |
| 68 | Italy | 0.3 | 144 | Swaziland | 25.9 |

SOURCE: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); UNAIDS, *Global Report on the Global AIDS Epidemic* (2008 edition); national sources

¹ 2005 ² 2007 ³ 2008 ⁴ 2010 ⁵ 2011

4.07 Infant mortality

Infant (children aged 0–12 months) mortality per 1,000 live births | 2010

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------------|-------|------|---------------------|-------|
| 1 | Hong Kong SAR ¹ | 1.3 | 73 | Albania | 16.4 |
| 2 | Iceland | 1.6 | 74 | Panama | 17.2 |
| 3 | Luxembourg | 2.1 | 75 | Barbados | 17.3 |
| 3 | Singapore | 2.1 | 75 | Brazil | 17.3 |
| 5 | Slovenia | 2.3 | 77 | Armenia | 17.5 |
| 5 | Sweden | 2.3 | 78 | Ecuador | 17.6 |
| 7 | Finland | 2.4 | 79 | Colombia | 18.1 |
| 7 | Japan | 2.4 | 80 | Jordan | 18.4 |
| 9 | Norway | 2.8 | 81 | Egypt | 18.6 |
| 10 | Portugal | 3.0 | 81 | Vietnam | 18.6 |
| 11 | Czech Republic | 3.1 | 83 | Lebanon | 18.8 |
| 11 | Italy | 3.1 | 84 | Georgia | 20.0 |
| 13 | Cyprus | 3.2 | 85 | Jamaica | 20.2 |
| 13 | Greece | 3.2 | 86 | Honduras | 20.3 |
| 13 | Ireland | 3.2 | 87 | Paraguay | 20.8 |
| 16 | Denmark | 3.3 | 88 | Iran, Islamic Rep. | 21.8 |
| 17 | France | 3.4 | 89 | Dominican Republic | 22.3 |
| 17 | Germany | 3.4 | 90 | Nicaragua | 22.6 |
| 19 | Austria | 3.5 | 91 | Philippines | 23.2 |
| 19 | Belgium | 3.5 | 92 | Trinidad and Tobago | 24.0 |
| 21 | Israel | 3.6 | 93 | Guatemala | 24.8 |
| 21 | Netherlands | 3.6 | 94 | Guyana | 25.3 |
| 23 | Spain | 3.9 | 95 | Mongolia | 26.2 |
| 24 | Australia | 4.1 | 96 | Suriname | 26.9 |
| 24 | Switzerland | 4.1 | 97 | Indonesia | 27.2 |
| 26 | Taiwan, China | 4.2 | 98 | Kazakhstan | 29.1 |
| 27 | Korea, Rep. | 4.2 | 99 | Cape Verde | 29.2 |
| 28 | Estonia | 4.3 | 100 | Namibia | 29.3 |
| 29 | United Kingdom | 4.6 | 101 | Morocco | 30.4 |
| 30 | Croatia | 4.7 | 102 | Algeria | 30.5 |
| 31 | New Zealand | 4.8 | 103 | Kyrgyz Republic | 32.8 |
| 32 | Canada | 5.2 | 104 | Botswana | 36.1 |
| 32 | Malta | 5.2 | 105 | Bangladesh | 38.0 |
| 32 | Poland | 5.2 | 106 | Azerbaijan | 39.4 |
| 35 | Hungary | 5.4 | 107 | South Africa | 40.7 |
| 35 | Lithuania | 5.4 | 108 | Nepal | 41.4 |
| 35 | Malaysia | 5.4 | 109 | Bolivia | 41.7 |
| 38 | Brunei Darussalam | 5.8 | 110 | Cambodia | 42.9 |
| 39 | Serbia | 6.1 | 111 | Madagascar | 43.1 |
| 39 | United Arab Emirates | 6.1 | 112 | India | 48.2 |
| 41 | United States | 6.5 | 113 | Senegal | 49.8 |
| 42 | Qatar | 6.7 | 114 | Ghana | 50.0 |
| 42 | Slovak Republic | 6.7 | 115 | Zimbabwe | 50.9 |
| 44 | Montenegro | 7.2 | 116 | Tajikistan | 52.2 |
| 45 | Bosnia and Herzegovina | 7.5 | 117 | Gabon | 54.4 |
| 46 | Chile | 7.7 | 118 | Kenya | 55.1 |
| 47 | Oman | 7.8 | 118 | Swaziland | 55.1 |
| 48 | Latvia | 8.1 | 120 | Timor-Leste | 56.2 |
| 49 | Bahrain | 8.7 | 121 | Gambia, The | 56.9 |
| 49 | Costa Rica | 8.7 | 122 | Yemen | 57.3 |
| 51 | Puerto Rico | 8.8 | 123 | Malawi | 58.1 |
| 52 | Russian Federation | 9.1 | 124 | Rwanda | 59.1 |
| 53 | Uruguay | 9.2 | 125 | Tanzania | 60.2 |
| 54 | Kuwait | 9.6 | 126 | Uganda | 63.0 |
| 55 | Macedonia, FYR | 10.4 | 127 | Lesotho | 64.6 |
| 56 | Bulgaria | 10.7 | 128 | Ethiopia | 67.8 |
| 57 | Thailand | 11.2 | 129 | Zambia | 68.9 |
| 58 | Romania | 11.3 | 130 | Pakistan | 69.7 |
| 59 | Ukraine | 11.4 | 131 | Haiti | 70.4 |
| 60 | Seychelles | 11.7 | 132 | Benin | 73.2 |
| 61 | Argentina | 12.3 | 133 | Liberia | 73.6 |
| 62 | Mauritius | 13.0 | 134 | Mauritania | 75.3 |
| 63 | Libya | 13.4 | 135 | Guinea | 81.2 |
| 64 | Turkey | 13.7 | 136 | Cameroon | 84.4 |
| 65 | El Salvador | 13.9 | 137 | Côte d'Ivoire | 85.9 |
| 66 | Mexico | 14.1 | 138 | Burundi | 87.8 |
| 67 | Sri Lanka | 14.2 | 139 | Nigeria | 88.4 |
| 68 | Peru | 14.9 | 140 | Mozambique | 92.2 |
| 69 | Saudi Arabia | 15.0 | 141 | Burkina Faso | 92.6 |
| 70 | Venezuela | 15.7 | 142 | Chad | 98.9 |
| 71 | China | 15.8 | 143 | Mali | 99.2 |
| 72 | Moldova | 16.3 | 144 | Sierra Leone | 113.7 |

SOURCE: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

¹ 2011

4.08 Life expectancy

Life expectancy at birth (years) | 2010

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|---------------------|-------|
| 1 | Japan | 82.9 | 73 | Georgia | 73.3 |
| 2 | Hong Kong SAR | 82.9 | 74 | Jordan | 73.3 |
| 3 | Switzerland | 82.2 | 75 | China | 73.3 |
| 4 | Italy | 81.7 | 76 | Lithuania | 73.3 |
| 5 | Australia | 81.7 | 77 | Dominican Republic | 73.2 |
| 6 | Singapore | 81.6 | 78 | Oman | 73.1 |
| 7 | Spain | 81.6 | 79 | Brazil | 73.1 |
| 8 | Israel | 81.5 | 80 | Seychelles | 73.0 |
| 9 | Iceland | 81.5 | 81 | Egypt | 73.0 |
| 9 | Sweden | 81.5 | 82 | Mauritius | 73.0 |
| 11 | France | 81.4 | 83 | Algeria | 72.9 |
| 12 | Norway | 81.0 | 84 | Jamaica | 72.8 |
| 13 | Malta | 80.9 | 85 | Honduras | 72.8 |
| 14 | Canada | 80.8 | 86 | Iran, Islamic Rep. | 72.8 |
| 15 | Korea, Rep. | 80.8 | 87 | Lebanon | 72.4 |
| 16 | Netherlands | 80.7 | 88 | Paraguay | 72.3 |
| 16 | New Zealand | 80.7 | 89 | Morocco | 71.9 |
| 18 | United Kingdom | 80.4 | 90 | El Salvador | 71.7 |
| 19 | Greece | 80.4 | 91 | Guatemala | 70.8 |
| 20 | Austria | 80.4 | 92 | Azerbaijan | 70.5 |
| 21 | Ireland | 80.3 | 93 | Suriname | 70.3 |
| 22 | Luxembourg | 80.1 | 94 | Ukraine | 70.3 |
| 23 | Germany | 80.0 | 95 | Trinidad and Tobago | 69.8 |
| 24 | Belgium | 79.9 | 96 | Guyana | 69.5 |
| 25 | Finland | 79.9 | 97 | Kyrgyz Republic | 69.4 |
| 26 | Slovenia | 79.4 | 98 | Moldova | 68.9 |
| 27 | Cyprus | 79.4 | 99 | Indonesia | 68.9 |
| 28 | Costa Rica | 79.2 | 100 | Russian Federation | 68.8 |
| 29 | Taiwan, China | 79.2 | 101 | Bangladesh | 68.6 |
| 30 | Denmark | 79.1 | 102 | Philippines | 68.5 |
| 31 | Portugal | 79.0 | 103 | Nepal | 68.4 |
| 32 | Puerto Rico | 78.9 | 104 | Kazakhstan | 68.3 |
| 33 | Chile | 78.9 | 105 | Mongolia | 68.2 |
| 34 | United States | 78.2 | 106 | Tajikistan | 67.3 |
| 35 | Qatar | 78.1 | 107 | Madagascar | 66.5 |
| 36 | Brunei Darussalam | 77.9 | 108 | Bolivia | 66.3 |
| 37 | Czech Republic | 77.4 | 109 | Pakistan | 65.2 |
| 38 | Albania | 76.9 | 110 | India | 65.1 |
| 39 | Mexico | 76.7 | 111 | Yemen | 65.0 |
| 40 | United Arab Emirates | 76.6 | 112 | Ghana | 63.8 |
| 41 | Barbados | 76.6 | 113 | Cambodia | 62.5 |
| 42 | Croatia | 76.5 | 114 | Gabon | 62.3 |
| 43 | Poland | 76.2 | 115 | Namibia | 62.1 |
| 44 | Uruguay | 76.2 | 116 | Timor-Leste | 62.0 |
| 45 | Panama | 76.0 | 117 | Haiti | 61.8 |
| 46 | Argentina | 75.6 | 118 | Senegal | 59.0 |
| 47 | Ecuador | 75.5 | 119 | Ethiopia | 58.7 |
| 48 | Estonia | 75.4 | 120 | Mauritania | 58.2 |
| 49 | Bosnia and Herzegovina | 75.4 | 121 | Gambia, The | 58.2 |
| 50 | Slovak Republic | 75.1 | 122 | Tanzania | 57.4 |
| 51 | Bahrain | 75.0 | 123 | Kenya | 56.5 |
| 52 | Vietnam | 74.8 | 124 | Liberia | 56.1 |
| 53 | Libya | 74.8 | 125 | Benin | 55.6 |
| 54 | Sri Lanka | 74.7 | 126 | Rwanda | 55.1 |
| 55 | Macedonia, FYR | 74.6 | 127 | Burkina Faso | 54.9 |
| 56 | Kuwait | 74.6 | 128 | Côte d'Ivoire | 54.7 |
| 57 | Montenegro | 74.3 | 129 | Guinea | 53.6 |
| 58 | Hungary | 74.2 | 130 | Uganda | 53.6 |
| 59 | Venezuela | 74.1 | 131 | Malawi | 53.5 |
| 60 | Malaysia | 74.0 | 132 | Botswana | 53.1 |
| 61 | Serbia | 73.9 | 133 | South Africa | 52.1 |
| 62 | Thailand | 73.9 | 134 | Nigeria | 51.4 |
| 63 | Saudi Arabia | 73.9 | 135 | Cameroon | 51.1 |
| 64 | Armenia | 73.8 | 136 | Mali | 51.0 |
| 65 | Cape Verde | 73.8 | 137 | Burundi | 49.9 |
| 66 | Peru | 73.8 | 138 | Zimbabwe | 49.9 |
| 67 | Nicaragua | 73.7 | 139 | Mozambique | 49.7 |
| 68 | Turkey | 73.7 | 140 | Chad | 49.2 |
| 69 | Bulgaria | 73.5 | 141 | Zambia | 48.5 |
| 70 | Latvia | 73.5 | 142 | Swaziland | 48.3 |
| 71 | Romania | 73.5 | 143 | Sierra Leone | 47.4 |
| 72 | Colombia | 73.4 | 144 | Lesotho | 47.4 |

SOURCE: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

4.09 Quality of primary education

How would you assess the quality of primary schools in your country? [1 = poor; 7 = excellent – among the best in the world] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Finland | 6.8 | | | | 73 | Ghana | 3.6 | | | |
| 2 | Belgium | 6.4 | | | | 74 | Puerto Rico | 3.6 | | | |
| 3 | Barbados | 6.1 | | | | 75 | Liberia | 3.6 | | | |
| 4 | Singapore | 6.1 | | | | 76 | Macedonia, FYR | 3.6 | | | |
| 5 | Switzerland | 6.0 | | | | 77 | Greece | 3.6 | | | |
| 6 | New Zealand | 5.8 | | | | 78 | Kenya | 3.6 | | | |
| 7 | Lebanon | 5.8 | | | | 79 | Spain | 3.6 | | | |
| 8 | Ireland | 5.6 | | | | 80 | Vietnam | 3.5 | | | |
| 9 | Netherlands | 5.6 | | | | 81 | India | 3.5 | | | |
| 10 | Qatar | 5.6 | | | | 82 | Thailand | 3.5 | | | |
| 11 | Canada | 5.6 | | | | 83 | Serbia | 3.5 | | | |
| 12 | Iceland | 5.5 | | | | 84 | Romania | 3.5 | | | |
| 13 | Taiwan, China | 5.5 | | | | 85 | Tajikistan | 3.5 | | | |
| 14 | Korea, Rep. | 5.5 | | | | 86 | Philippines | 3.5 | | | |
| 15 | Cyprus | 5.4 | | | | 87 | Cambodia | 3.4 | | | |
| 16 | Australia | 5.3 | | | | 88 | Zambia | 3.4 | | | |
| 17 | Malta | 5.3 | | | | 89 | Kuwait | 3.4 | | | |
| 18 | United Arab Emirates | 5.2 | | | | 90 | Benin | 3.4 | | | |
| 19 | Estonia | 5.2 | | | | 91 | Georgia | 3.4 | | | |
| 20 | Brunei Darussalam | 5.1 | | | | 92 | Uruguay | 3.3 | | | |
| 21 | Japan | 5.0 | | | | 93 | Côte d'Ivoire | 3.3 | | | |
| 22 | Sweden | 5.0 | | | | 94 | Mongolia | 3.3 | | | |
| 23 | Bosnia and Herzegovina | 5.0 | | | | 95 | Turkey | 3.3 | | | |
| 24 | Malaysia | 4.9 | | | | 96 | Senegal | 3.3 | | | |
| 25 | Lithuania | 4.9 | | | | 97 | Nepal | 3.3 | | | |
| 26 | Costa Rica | 4.9 | | | | 98 | Colombia | 3.3 | | | |
| 27 | United Kingdom | 4.9 | | | | 99 | Swaziland | 3.3 | | | |
| 28 | Slovenia | 4.8 | | | | 100 | Uganda | 3.3 | | | |
| 29 | Hong Kong SAR | 4.8 | | | | 101 | Ecuador | 3.2 | | | |
| 30 | Germany | 4.7 | | | | 102 | Nigeria | 3.2 | | | |
| 31 | Austria | 4.7 | | | | 103 | Pakistan | 3.2 | | | |
| 32 | Gambia, The | 4.6 | | | | 104 | Bolivia | 3.2 | | | |
| 33 | Norway | 4.6 | | | | 105 | Ethiopia | 3.2 | | | |
| 34 | Trinidad and Tobago | 4.6 | | | | 106 | Argentina | 3.2 | | | |
| 35 | Luxembourg | 4.6 | | | | 107 | Lesotho | 3.1 | | | |
| 36 | Denmark | 4.6 | | | | 108 | Morocco | 3.1 | | | |
| 37 | France | 4.6 | | | | 109 | Jamaica | 3.1 | | | |
| 38 | United States | 4.6 | | | | 110 | Burkina Faso | 3.1 | | | |
| 39 | Sri Lanka | 4.6 | | | | 111 | Kyrgyz Republic | 3.0 | | | |
| 40 | Seychelles | 4.5 | | | | 112 | Malawi | 3.0 | | | |
| 41 | Italy | 4.5 | | | | 113 | Azerbaijan | 3.0 | | | |
| 42 | China | 4.5 | | | | 114 | Tanzania | 3.0 | | | |
| 43 | Jordan | 4.5 | | | | 115 | Panama | 2.9 | | | |
| 44 | Ukraine | 4.4 | | | | 116 | Sierra Leone | 2.9 | | | |
| 45 | Saudi Arabia | 4.4 | | | | 117 | Venezuela | 2.8 | | | |
| 46 | Latvia | 4.4 | | | | 118 | Mexico | 2.8 | | | |
| 47 | Albania | 4.4 | | | | 119 | Chile | 2.8 | | | |
| 48 | Croatia | 4.4 | | | | 120 | Namibia | 2.8 | | | |
| 49 | Montenegro | 4.4 | | | | 121 | Madagascar | 2.8 | | | |
| 50 | Guyana | 4.3 | | | | 122 | Bangladesh | 2.8 | | | |
| 51 | Bahrain | 4.2 | | | | 123 | Nicaragua | 2.7 | | | |
| 52 | Portugal | 4.2 | | | | 124 | Gabon | 2.6 | | | |
| 53 | Mauritius | 4.2 | | | | 125 | Guinea | 2.5 | | | |
| 54 | Poland | 4.2 | | | | 126 | Brazil | 2.5 | | | |
| 55 | Czech Republic | 4.2 | | | | 127 | Mali | 2.5 | | | |
| 56 | Botswana | 4.2 | | | | 128 | Chad | 2.4 | | | |
| 57 | Hungary | 4.2 | | | | 129 | Algeria | 2.4 | | | |
| 58 | Slovak Republic | 4.1 | | | | 130 | Timor-Leste | 2.4 | | | |
| 59 | Oman | 4.1 | | | | 131 | El Salvador | 2.4 | | | |
| 60 | Indonesia | 4.1 | | | | 132 | South Africa | 2.3 | | | |
| 61 | Iran, Islamic Rep. | 4.1 | | | | 133 | Mozambique | 2.3 | | | |
| 62 | Russian Federation | 4.1 | | | | 134 | Libya | 2.2 | | | |
| 63 | Zimbabwe | 4.0 | | | | 135 | Honduras | 2.2 | | | |
| 64 | Rwanda | 3.9 | | | | 136 | Guatemala | 2.2 | | | |
| 65 | Cape Verde | 3.9 | | | | 137 | Egypt | 2.1 | | | |
| 66 | Suriname | 3.8 | | | | 138 | Peru | 2.1 | | | |
| 67 | Bulgaria | 3.8 | | | | 139 | Haiti | 2.1 | | | |
| 68 | Cameroon | 3.8 | | | | 140 | Paraguay | 2.1 | | | |
| 69 | Moldova | 3.8 | | | | 141 | Mauritania | 2.0 | | | |
| 70 | Armenia | 3.7 | | | | 142 | Burundi | 2.0 | | | |
| 71 | Israel | 3.7 | | | | 143 | Dominican Republic | 1.9 | | | |
| 72 | Kazakhstan | 3.7 | | | | 144 | Yemen | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

4.10 Primary education enrollment rate

Net primary education enrollment rate | 2010 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|---------------------------------|-------|------|-----------------------------------|-------|
| 1 | Singapore | 100.0 | 73 | Russian Federation ⁹ | 93.4 |
| 2 | Japan | 100.0 | 74 | Cape Verde | 93.2 |
| 3 | Canada ² | 99.8 | 75 | Brunei Darussalam ⁹ | 92.9 |
| 4 | China ¹⁰ | 99.8 | 76 | Lithuania | 92.8 |
| 5 | Netherlands | 99.8 | 77 | Serbia | 92.7 |
| 6 | Spain | 99.7 | 78 | Venezuela | 92.5 |
| 7 | Georgia ⁹ | 99.6 | 79 | Nicaragua | 92.5 |
| 8 | United Kingdom ⁹ | 99.6 | 80 | Cameroon | 92.4 |
| 9 | Iran, Islamic Rep. ⁷ | 99.5 | 81 | Hungary ⁹ | 92.4 |
| 10 | Sweden | 99.4 | 82 | Bangladesh ⁹ | 92.2 |
| 11 | Iceland ⁹ | 99.4 | 83 | Kuwait ⁸ | 92.1 |
| 12 | New Zealand | 99.3 | 84 | India ⁸ | 92.1 |
| 13 | Portugal ⁹ | 99.2 | 85 | Qatar | 92.0 |
| 14 | Uruguay ⁹ | 99.1 | 86 | Lebanon | 91.7 |
| 15 | Norway | 99.1 | 87 | Zambia | 91.4 |
| 16 | Argentina ⁵ | 99.1 | 88 | Suriname ⁹ | 90.9 |
| 17 | Belgium ⁹ | 98.8 | 89 | Uganda | 90.9 |
| 18 | Rwanda | 98.7 | 90 | Ukraine | 90.7 |
| 19 | Cyprus | 98.7 | 91 | Jordan | 90.7 |
| 20 | Mongolia | 98.7 | 92 | Dominican Republic | 90.2 |
| 21 | Korea, Rep. | 98.6 | 93 | Zimbabwe ⁶ | 90.0 |
| 22 | France | 98.5 | 94 | Saudi Arabia ⁹ | 89.9 |
| 23 | Austria ⁹ | 98.4 | 95 | Burundi ⁷ | 89.7 |
| 24 | Greece ⁷ | 98.3 | 96 | Botswana ¹⁰ | 89.7 |
| 25 | Panama | 98.0 | 97 | Thailand ⁹ | 89.7 |
| 26 | Vietnam | 98.0 | 98 | Mozambique ¹⁰ | 89.6 |
| 27 | Tanzania ⁸ | 98.0 | 99 | Czech Republic ⁶ | 89.6 |
| 28 | Bulgaria | 98.0 | 100 | United Arab Emirates ⁶ | 88.4 |
| 29 | Mexico | 97.9 | 101 | Philippines ⁹ | 88.3 |
| 30 | Taiwan, China ¹⁰ | 97.9 | 102 | Kazakhstan ¹⁰ | 88.2 |
| 31 | Bahrain ⁶ | 97.8 | 103 | Colombia | 88.1 |
| 32 | Finland | 97.7 | 104 | Macedonia, FYR | 88.0 |
| 33 | Germany | 97.7 | 105 | Moldova | 87.6 |
| 34 | Turkey ⁹ | 97.5 | 106 | Romania | 87.6 |
| 35 | Italy | 97.4 | 107 | Kyrgyz Republic | 87.5 |
| 36 | Slovak Republic ⁹ | 97.4 | 108 | Armenia ⁷ | 87.1 |
| 37 | Tajikistan | 97.3 | 109 | Bosnia and Herzegovina | 87.0 |
| 38 | Australia | 97.1 | 110 | Croatia | 86.8 |
| 39 | Ecuador ⁹ | 97.0 | 111 | Swaziland | 85.5 |
| 40 | Israel ⁹ | 96.9 | 112 | Puerto Rico | 85.5 |
| 41 | Guatemala | 96.9 | 113 | Namibia ⁹ | 85.4 |
| 42 | Malawi ⁹ | 96.9 | 114 | Timor-Leste | 85.3 |
| 43 | Slovenia ⁹ | 96.8 | 115 | South Africa ⁹ | 85.1 |
| 44 | Indonesia | 96.0 | 116 | Paraguay ⁹ | 85.1 |
| 45 | Cambodia | 95.9 | 117 | Azerbaijan | 84.4 |
| 46 | Malaysia ⁵ | 95.9 | 118 | Ghana ¹⁰ | 84.0 |
| 47 | Poland ⁹ | 95.9 | 119 | Montenegro | 83.2 |
| 48 | Morocco ¹⁰ | 95.7 | 120 | Kenya ⁹ | 82.8 |
| 49 | Algeria | 95.6 | 121 | Jamaica | 82.0 |
| 50 | Denmark ⁹ | 95.5 | 122 | Ethiopia | 81.3 |
| 51 | Peru | 95.4 | 123 | Guyana | 80.6 |
| 52 | Seychelles ⁹ | 95.1 | 124 | Gabon ⁹ | 80.0 |
| 53 | Ireland | 95.1 | 125 | Albania | 79.9 |
| 54 | Latvia | 95.1 | 126 | Madagascar ⁴ | 79.2 |
| 55 | Barbados ⁸ | 95.0 | 127 | Yemen | 77.6 |
| 56 | Luxembourg ⁸ | 95.0 | 128 | Guinea | 77.0 |
| 57 | Honduras | 94.8 | 129 | Senegal | 75.5 |
| 58 | United States | 94.6 | 130 | Liberia ² | 75.2 |
| 59 | Egypt | 94.4 | 131 | Pakistan | 74.1 |
| 60 | Brazil ⁵ | 94.4 | 132 | Mauritania | 74.0 |
| 61 | Bolivia ⁷ | 94.2 | 133 | Lesotho | 73.4 |
| 62 | Sri Lanka | 94.0 | 134 | Nepal ² | 71.1 |
| 63 | Estonia ⁹ | 93.9 | 135 | Gambia, The | 65.5 |
| 64 | Trinidad and Tobago | 93.9 | 136 | Burkina Faso ¹⁰ | 63.2 |
| 65 | Malta | 93.8 | 137 | Mali ¹⁰ | 62.9 |
| 66 | Benin | 93.8 | 138 | Chad ⁴ | 62.3 |
| 67 | Switzerland | 93.8 | 139 | Côte d'Ivoire ⁹ | 61.5 |
| 68 | Hong Kong SAR | 93.8 | 140 | Nigeria | 57.6 |
| 69 | El Salvador | 93.7 | 141 | Haiti ¹ | 56.8 |
| 70 | Oman ⁹ | 93.6 | n/a | Costa Rica | n/a |
| 71 | Chile ⁹ | 93.6 | n/a | Libya | n/a |
| 72 | Mauritius | 93.4 | n/a | Sierra Leone | n/a |

SOURCE: UNESCO Institute for Statistics (accessed May 10, 2012); The World Bank, *EdStats Database* (accessed June 27, 2012); Organisation for Economic Co-operation and Development (OECD), *Education at a Glance 2011*; national sources

1 1997 2 2000 3 2001 4 2003 5 2005 6 2006 7 2007 8 2008 9 2009 10 2011

Pillar 5

Higher education and training

5.01 Secondary education enrollment rate

Gross secondary education enrollment rate | 2010 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|---|-------|------|----------------------------------|-------|
| 1 | Australia..... | 131.3 | 73 | Argentina ¹⁰ | 88.5 |
| 2 | Spain..... | 124.7 | 74 | Moldova..... | 88.0 |
| 3 | Netherlands..... | 121.5 | 75 | Chile ¹⁰ | 87.9 |
| 4 | Ireland..... | 121.0 | 76 | Cape Verde..... | 87.5 |
| 5 | Seychelles..... | 119.2 | 77 | Tajikistan..... | 87.2 |
| 6 | New Zealand..... | 119.1 | 78 | Sri Lanka ⁵ | 87.1 |
| 7 | Denmark ¹⁰ | 117.4 | 79 | Jordan..... | 86.9 |
| 8 | France..... | 113.2 | 80 | Georgia ¹⁰ | 86.2 |
| 9 | Norway..... | 111.0 | 81 | Philippines ¹⁰ | 84.8 |
| 10 | Belgium ¹⁰ | 110.5 | 82 | Azerbaijan..... | 84.6 |
| 11 | Libya ⁷ | 110.3 | 83 | Kyrgyz Republic..... | 84.0 |
| 12 | Brunei Darussalam..... | 109.7 | 84 | Macedonia, FYR..... | 83.7 |
| 13 | Finland..... | 107.5 | 85 | Hong Kong SAR..... | 83.0 |
| 14 | Iceland ¹⁰ | 107.2 | 86 | Venezuela..... | 82.5 |
| 15 | Singapore..... | 107.0 | 87 | Puerto Rico..... | 82.2 |
| 16 | Portugal ¹⁰ | 106.7 | 88 | Botswana ¹⁰ | 81.7 |
| 17 | Brazil ⁶ | 105.8 | 89 | Lebanon..... | 81.4 |
| 18 | Montenegro..... | 104.0 | 90 | China..... | 81.2 |
| 19 | Estonia ¹⁰ | 103.6 | 91 | Bolivia ¹⁰ | 80.2 |
| 20 | Germany..... | 103.3 | 92 | Thailand ¹¹ | 79.2 |
| 21 | Bahrain ⁷ | 103.1 | 93 | Turkey ¹⁰ | 77.6 |
| 22 | Japan..... | 102.2 | 94 | Vietnam..... | 77.2 |
| 23 | Israel ¹⁰ | 102.1 | 95 | Indonesia..... | 77.2 |
| 24 | United Kingdom ¹⁰ | 101.8 | 96 | Dominican Republic..... | 76.4 |
| 25 | Canada ⁹ | 101.3 | 97 | Suriname ¹⁰ | 74.8 |
| 26 | Kuwait ⁹ | 101.0 | 98 | Ecuador ⁹ | 74.8 |
| 27 | Malta..... | 100.9 | 99 | Panama..... | 74.1 |
| 28 | Greece ⁸ | 100.9 | 100 | Honduras..... | 73.5 |
| 29 | Saudi Arabia..... | 100.6 | 101 | Egypt..... | 72.5 |
| 30 | Barbados..... | 100.6 | 102 | Nicaragua..... | 69.4 |
| 31 | Italy..... | 100.4 | 103 | Malaysia ¹⁰ | 68.3 |
| 32 | Oman ¹⁰ | 100.3 | 104 | Paraguay ¹⁰ | 66.9 |
| 33 | Taiwan, China ¹¹ | 100.0 | 105 | El Salvador..... | 65.0 |
| 34 | Costa Rica..... | 99.7 | 106 | Namibia ⁸ | 64.0 |
| 35 | Kazakhstan ¹¹ | 99.6 | 107 | India..... | 63.2 |
| 36 | Sweden..... | 99.2 | 108 | Kenya ¹⁰ | 60.2 |
| 37 | Austria..... | 98.9 | 109 | Guatemala..... | 58.5 |
| 38 | Cyprus..... | 98.8 | 110 | Ghana ¹¹ | 58.1 |
| 39 | Lithuania..... | 98.7 | 111 | Swaziland..... | 58.1 |
| 40 | Hungary ¹⁰ | 98.3 | 112 | Timor-Leste..... | 56.3 |
| 41 | Luxembourg ⁹ | 97.6 | 113 | Morocco ⁸ | 56.1 |
| 42 | Romania..... | 97.2 | 114 | Gambia, The..... | 54.1 |
| 43 | Korea, Rep..... | 97.1 | 115 | Gabon ⁴ | 53.1 |
| 44 | Slovenia ¹⁰ | 97.1 | 116 | Bangladesh..... | 51.4 |
| 45 | Poland ¹⁰ | 97.0 | 117 | Lesotho..... | 46.4 |
| 46 | Colombia..... | 96.4 | 118 | Cambodia..... | 46.2 |
| 47 | United States..... | 96.0 | 119 | Yemen..... | 44.1 |
| 48 | Croatia..... | 95.7 | 120 | Nigeria..... | 44.0 |
| 49 | Ukraine..... | 95.6 | 121 | Nepal ⁷ | 43.5 |
| 50 | Switzerland..... | 95.4 | 122 | Cameroon..... | 42.2 |
| 51 | Latvia..... | 95.2 | 123 | Mali ¹¹ | 39.4 |
| 52 | Algeria ¹⁰ | 94.9 | 124 | Guinea ¹⁰ | 38.1 |
| 53 | South Africa ¹⁰ | 93.8 | 125 | Zimbabwe ⁷ | 38.0 |
| 54 | Qatar..... | 93.7 | 126 | Senegal..... | 37.4 |
| 55 | Jamaica..... | 92.7 | 127 | Benin ⁶ | 37.1 |
| 56 | United Arab Emirates ⁷ | 92.3 | 128 | Rwanda ¹¹ | 35.8 |
| 57 | Armenia..... | 92.0 | 129 | Ethiopia..... | 35.7 |
| 58 | Serbia..... | 91.4 | 130 | Liberia ² | 34.8 |
| 59 | Peru..... | 91.4 | 131 | Pakistan..... | 34.2 |
| 60 | Bosnia and Herzegovina..... | 91.1 | 132 | Malawi..... | 32.1 |
| 61 | Guyana..... | 91.0 | 133 | Madagascar ¹⁰ | 31.1 |
| 62 | Iran, Islamic Rep..... | 90.9 | 134 | Zambia ⁷ | 30.4 |
| 63 | Czech Republic ¹⁰ | 90.4 | 135 | Uganda..... | 28.1 |
| 64 | Slovak Republic..... | 90.4 | 136 | Sierra Leone ³ | 27.6 |
| 65 | Uruguay ¹⁰ | 90.2 | 137 | Tanzania ¹⁰ | 27.4 |
| 66 | Trinidad and Tobago ⁹ | 89.9 | 138 | Côte d'Ivoire ⁴ | 27.1 |
| 67 | Mauritius..... | 89.4 | 139 | Mozambique ¹¹ | 26.4 |
| 68 | Mongolia..... | 89.2 | 140 | Burundi..... | 24.8 |
| 69 | Albania..... | 88.9 | 141 | Chad..... | 24.6 |
| 70 | Bulgaria..... | 88.9 | 142 | Mauritania..... | 24.4 |
| 71 | Mexico..... | 88.8 | 143 | Burkina Faso ¹¹ | 22.6 |
| 72 | Russian Federation ¹⁰ | 88.6 | 144 | Haiti ¹ | 20.8 |

SOURCE: UNESCO Institute for Statistics (accessed May 10, 2012); UNICEF ChildInfo.org Country Profiles; The World Bank, *EdStats Database* (accessed June 25, 2012); national sources

1 1991 2 2000 3 2001 4 2002 5 2004 6 2005 7 2006 8 2007 9 2008 10 2009 11 2011

5.02 Tertiary education enrollment rate

Gross tertiary education enrollment rate | 2010 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|---------------------------------|-------|------|-----------------------------------|-------|
| 1 | Korea, Rep. | 103.1 | 73 | Egypt | 32.4 |
| 2 | United States | 94.8 | 74 | Algeria | 30.8 |
| 3 | Finland | 93.7 | 75 | Jamaica | 29.0 |
| 4 | Greece ⁷ | 89.4 | 76 | Philippines ⁸ | 28.9 |
| 5 | Slovenia ⁹ | 86.9 | 77 | Georgia | 28.2 |
| 6 | Puerto Rico | 86.0 | 78 | Mexico | 28.0 |
| 7 | Taiwan, China ¹⁰ | 83.4 | 79 | China | 25.9 |
| 8 | New Zealand | 82.6 | 80 | Brazil ⁵ | 25.6 |
| 9 | Australia | 79.9 | 81 | Costa Rica ⁵ | 25.6 |
| 10 | Ukraine | 79.5 | 82 | Mauritius ⁸ | 24.9 |
| 11 | Venezuela ⁹ | 78.1 | 83 | Oman | 24.5 |
| 12 | Russian Federation ⁹ | 75.9 | 84 | El Salvador | 23.4 |
| 13 | Denmark ⁹ | 74.4 | 85 | Indonesia | 23.1 |
| 14 | Norway | 74.4 | 86 | United Arab Emirates ³ | 22.5 |
| 15 | Iceland ⁹ | 74.1 | 87 | Vietnam | 22.3 |
| 16 | Lithuania | 74.0 | 88 | Kuwait ⁴ | 21.9 |
| 17 | Sweden | 73.8 | 89 | Tajikistan | 19.7 |
| 18 | Spain ⁹ | 73.2 | 90 | Azerbaijan | 19.1 |
| 19 | Singapore | 72.0 | 91 | Liberia ¹ | 19.1 |
| 20 | Argentina ⁹ | 71.2 | 92 | Honduras ⁸ | 18.8 |
| 21 | Poland ⁹ | 70.5 | 93 | Albania ⁴ | 18.4 |
| 22 | Belgium ⁹ | 67.5 | 94 | Nicaragua ³ | 18.0 |
| 23 | Italy ⁹ | 66.0 | 95 | India | 17.9 |
| 24 | Barbados | 65.9 | 96 | Cape Verde | 17.8 |
| 25 | Uruguay ⁹ | 63.3 | 97 | Guatemala ⁷ | 17.8 |
| 26 | Netherlands ⁹ | 62.7 | 98 | Brunei Darussalam | 17.2 |
| 27 | Estonia ⁹ | 62.7 | 99 | Timor-Leste ⁹ | 16.7 |
| 28 | Israel ⁹ | 62.5 | 100 | Sri Lanka | 15.5 |
| 29 | Portugal ⁹ | 62.2 | 101 | South Africa ⁶ | 15.4 |
| 30 | Hungary ⁹ | 61.7 | 102 | Morocco ⁹ | 13.2 |
| 31 | Ireland ⁹ | 61.0 | 103 | Ghana ¹⁰ | 12.1 |
| 32 | Czech Republic ⁹ | 60.7 | 104 | Suriname ² | 12.1 |
| 33 | Austria ⁹ | 60.2 | 105 | Guyana | 11.9 |
| 34 | Latvia | 60.1 | 106 | Trinidad and Tobago ⁵ | 11.5 |
| 35 | Canada ² | 60.0 | 107 | Cameroon | 11.5 |
| 36 | Japan | 59.7 | 108 | Benin ⁹ | 10.6 |
| 37 | Hong Kong SAR | 59.7 | 109 | Bangladesh ⁹ | 10.6 |
| 38 | Chile ⁹ | 59.2 | 110 | Luxembourg ⁸ | 10.5 |
| 39 | Romania | 58.8 | 111 | Nigeria ⁵ | 10.3 |
| 40 | United Kingdom ⁹ | 58.5 | 112 | Yemen ⁷ | 10.2 |
| 41 | Bulgaria | 56.9 | 113 | Qatar | 10.0 |
| 42 | Slovak Republic | 54.8 | 114 | Guinea ⁸ | 9.5 |
| 43 | Switzerland | 54.8 | 115 | Namibia ⁸ | 9.0 |
| 44 | Cyprus | 54.6 | 116 | Côte d'Ivoire ⁷ | 8.9 |
| 45 | France ⁹ | 54.5 | 117 | Senegal | 7.9 |
| 46 | Libya ³ | 54.4 | 118 | Cambodia ⁸ | 7.8 |
| 47 | Croatia | 54.1 | 119 | Botswana ⁶ | 7.4 |
| 48 | Lebanon | 54.0 | 120 | Zimbabwe | 6.2 |
| 49 | Mongolia | 53.3 | 121 | Mali ¹⁰ | 6.1 |
| 50 | Armenia | 51.5 | 122 | Nepal ⁴ | 5.6 |
| 51 | Bahrain | 51.2 | 123 | Rwanda | 5.5 |
| 52 | Serbia | 49.1 | 124 | Ethiopia | 5.5 |
| 53 | Kyrgyz Republic ⁹ | 48.8 | 125 | Pakistan ⁸ | 5.4 |
| 54 | Thailand ¹⁰ | 47.7 | 126 | Swaziland ⁶ | 4.4 |
| 55 | Montenegro | 47.6 | 127 | Mauritania | 4.4 |
| 56 | Turkey ⁹ | 45.8 | 128 | Uganda ⁹ | 4.2 |
| 57 | Panama ⁹ | 44.6 | 129 | Gambia, The ⁸ | 4.1 |
| 58 | Peru | 43.0 | 130 | Kenya ⁹ | 4.0 |
| 59 | Iran, Islamic Rep. | 42.8 | 131 | Burkina Faso ¹⁰ | 3.9 |
| 60 | Kazakhstan ¹⁰ | 40.8 | 132 | Madagascar | 3.7 |
| 61 | Malaysia ⁹ | 40.2 | 133 | Lesotho ⁶ | 3.5 |
| 62 | Ecuador ⁸ | 39.8 | 134 | Burundi | 3.2 |
| 63 | Colombia | 39.1 | 135 | Zambia ¹ | 2.4 |
| 64 | Bolivia ⁷ | 38.6 | 136 | Chad | 2.2 |
| 65 | Macedonia, FYR | 38.6 | 137 | Tanzania | 2.1 |
| 66 | Moldova | 38.1 | 138 | Sierra Leone ² | 2.1 |
| 67 | Jordan | 37.7 | 139 | Mozambique ⁵ | 1.5 |
| 68 | Bosnia and Herzegovina | 37.2 | 140 | Malawi | 0.7 |
| 69 | Saudi Arabia | 36.8 | n/a | Gabon | n/a |
| 70 | Paraguay ⁹ | 36.6 | n/a | Germany | n/a |
| 71 | Malta | 35.3 | n/a | Haiti | n/a |
| 72 | Dominican Republic ⁴ | 34.0 | n/a | Seychelles | n/a |

SOURCE: UNESCO Institute for Statistics (accessed May 10, 2012); national sources

1 2000 2 2002 3 2003 4 2004 5 2005 6 2006 7 2007 8 2008 9 2009 10 2011

5.03 Quality of the educational system

How well does the educational system in your country meet the needs of a competitive economy? [1 = not well at all; 7 = very well] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.0 | | | | 73 | Senegal | 3.6 | | | |
| 2 | Finland | 5.8 | | | | 74 | Latvia | 3.6 | | | |
| 3 | Singapore | 5.8 | | | | 75 | Pakistan | 3.6 | | | |
| 4 | Qatar | 5.7 | | | | 76 | Jamaica | 3.6 | | | |
| 5 | Belgium | 5.4 | | | | 77 | Colombia | 3.6 | | | |
| 6 | Canada | 5.4 | | | | 78 | Thailand | 3.5 | | | |
| 7 | Barbados | 5.4 | | | | 79 | Armenia | 3.5 | | | |
| 8 | Iceland | 5.4 | | | | 80 | Tanzania | 3.5 | | | |
| 9 | Ireland | 5.3 | | | | 81 | Spain | 3.5 | | | |
| 10 | Lebanon | 5.3 | | | | 82 | Turkey | 3.5 | | | |
| 11 | New Zealand | 5.3 | | | | 83 | Nigeria | 3.5 | | | |
| 12 | Sweden | 5.3 | | | | 84 | Suriname | 3.4 | | | |
| 13 | Netherlands | 5.3 | | | | 85 | Ethiopia | 3.4 | | | |
| 14 | Malaysia | 5.1 | | | | 86 | Russian Federation | 3.4 | | | |
| 15 | Australia | 5.0 | | | | 87 | Italy | 3.4 | | | |
| 16 | Malta | 5.0 | | | | 88 | Macedonia, FYR | 3.4 | | | |
| 17 | United Arab Emirates | 5.0 | | | | 89 | Argentina | 3.4 | | | |
| 18 | Norway | 5.0 | | | | 90 | Hungary | 3.4 | | | |
| 19 | Denmark | 5.0 | | | | 91 | Chile | 3.4 | | | |
| 20 | Germany | 4.9 | | | | 92 | Nepal | 3.4 | | | |
| 21 | Costa Rica | 4.9 | | | | 93 | Ecuador | 3.3 | | | |
| 22 | Cyprus | 4.8 | | | | 94 | Iran, Islamic Rep. | 3.3 | | | |
| 23 | Hong Kong SAR | 4.8 | | | | 95 | Côte d'Ivoire | 3.3 | | | |
| 24 | Taiwan, China | 4.8 | | | | 96 | Bolivia | 3.3 | | | |
| 25 | Brunei Darussalam | 4.7 | | | | 97 | Bangladesh | 3.2 | | | |
| 26 | Austria | 4.7 | | | | 98 | Bulgaria | 3.2 | | | |
| 27 | United Kingdom | 4.7 | | | | 99 | Croatia | 3.2 | | | |
| 28 | United States | 4.7 | | | | 100 | Mexico | 3.2 | | | |
| 29 | Gambia, The | 4.6 | | | | 101 | Kazakhstan | 3.2 | | | |
| 30 | Zimbabwe | 4.5 | | | | 102 | Lesotho | 3.2 | | | |
| 31 | Jordan | 4.4 | | | | 103 | Moldova | 3.2 | | | |
| 32 | Saudi Arabia | 4.4 | | | | 104 | Kuwait | 3.1 | | | |
| 33 | Sri Lanka | 4.4 | | | | 105 | Morocco | 3.1 | | | |
| 34 | India | 4.4 | | | | 106 | Bosnia and Herzegovina | 3.1 | | | |
| 35 | Bahrain | 4.4 | | | | 107 | Uruguay | 3.1 | | | |
| 36 | Luxembourg | 4.4 | | | | 108 | Romania | 3.1 | | | |
| 37 | Kenya | 4.3 | | | | 109 | Azerbaijan | 3.1 | | | |
| 38 | Montenegro | 4.2 | | | | 110 | Swaziland | 3.1 | | | |
| 39 | Zambia | 4.2 | | | | 111 | Serbia | 3.1 | | | |
| 40 | Trinidad and Tobago | 4.2 | | | | 112 | Panama | 3.0 | | | |
| 41 | France | 4.2 | | | | 113 | Chad | 3.0 | | | |
| 42 | Guyana | 4.2 | | | | 114 | Georgia | 3.0 | | | |
| 43 | Japan | 4.2 | | | | 115 | Greece | 3.0 | | | |
| 44 | Korea, Rep. | 4.1 | | | | 116 | Brazil | 3.0 | | | |
| 45 | Philippines | 4.1 | | | | 117 | Madagascar | 3.0 | | | |
| 46 | Mauritius | 4.1 | | | | 118 | Mali | 2.9 | | | |
| 47 | Indonesia | 4.1 | | | | 119 | Mozambique | 2.9 | | | |
| 48 | Seychelles | 4.1 | | | | 120 | Slovak Republic | 2.8 | | | |
| 49 | Estonia | 4.1 | | | | 121 | Nicaragua | 2.8 | | | |
| 50 | Rwanda | 4.1 | | | | 122 | Venezuela | 2.8 | | | |
| 51 | Puerto Rico | 4.0 | | | | 123 | Kyrgyz Republic | 2.8 | | | |
| 52 | Albania | 4.0 | | | | 124 | Burkina Faso | 2.8 | | | |
| 53 | Israel | 4.0 | | | | 125 | Sierra Leone | 2.8 | | | |
| 54 | Lithuania | 4.0 | | | | 126 | Namibia | 2.7 | | | |
| 55 | Botswana | 4.0 | | | | 127 | Gabon | 2.7 | | | |
| 56 | Liberia | 4.0 | | | | 128 | Guinea | 2.7 | | | |
| 57 | China | 3.9 | | | | 129 | Timor-Leste | 2.7 | | | |
| 58 | Cambodia | 3.9 | | | | 130 | Guatemala | 2.6 | | | |
| 59 | Czech Republic | 3.9 | | | | 131 | Algeria | 2.5 | | | |
| 60 | Oman | 3.9 | | | | 132 | Peru | 2.5 | | | |
| 61 | Portugal | 3.8 | | | | 133 | Paraguay | 2.5 | | | |
| 62 | Ghana | 3.8 | | | | 134 | El Salvador | 2.5 | | | |
| 63 | Slovenia | 3.8 | | | | 135 | Honduras | 2.4 | | | |
| 64 | Cape Verde | 3.8 | | | | 136 | Mongolia | 2.4 | | | |
| 65 | Malawi | 3.8 | | | | 137 | Dominican Republic | 2.4 | | | |
| 66 | Cameroon | 3.7 | | | | 138 | Mauritania | 2.3 | | | |
| 67 | Tajikistan | 3.7 | | | | 139 | Egypt | 2.3 | | | |
| 68 | Poland | 3.7 | | | | 140 | South Africa | 2.2 | | | |
| 69 | Uganda | 3.7 | | | | 141 | Haiti | 2.1 | | | |
| 70 | Ukraine | 3.6 | | | | 142 | Libya | 2.0 | | | |
| 71 | Benin | 3.6 | | | | 143 | Burundi | 2.0 | | | |
| 72 | Vietnam | 3.6 | | | | 144 | Yemen | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

5.04 Quality of math and science education

How would you assess the quality of math and science education in your country's schools? [1 = poor; 7 = excellent – among the best in the world] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Singapore | 6.3 | | | | 73 | Côte d'Ivoire | 4.0 | | | |
| 2 | Finland | 6.2 | | | | 74 | Gambia, The | 4.0 | | | |
| 3 | Belgium | 6.2 | | | | 75 | Cameroon | 3.9 | | | |
| 4 | Lebanon | 5.9 | | | | 76 | Kenya | 3.9 | | | |
| 5 | Switzerland | 5.8 | | | | 77 | Zambia | 3.9 | | | |
| 6 | Taiwan, China | 5.6 | | | | 78 | Czech Republic | 3.8 | | | |
| 7 | Barbados | 5.6 | | | | 79 | Senegal | 3.8 | | | |
| 8 | Korea, Rep. | 5.5 | | | | 80 | Burkina Faso | 3.8 | | | |
| 9 | Qatar | 5.5 | | | | 81 | Kazakhstan | 3.8 | | | |
| 10 | New Zealand | 5.5 | | | | 82 | Madagascar | 3.8 | | | |
| 11 | Hong Kong SAR | 5.4 | | | | 83 | Slovak Republic | 3.8 | | | |
| 12 | Netherlands | 5.4 | | | | 84 | Puerto Rico | 3.8 | | | |
| 13 | Cyprus | 5.3 | | | | 85 | Suriname | 3.8 | | | |
| 14 | Canada | 5.3 | | | | 86 | Oman | 3.7 | | | |
| 15 | Malta | 5.2 | | | | 87 | Liberia | 3.7 | | | |
| 16 | Lithuania | 5.2 | | | | 88 | Pakistan | 3.7 | | | |
| 17 | United Arab Emirates | 5.2 | | | | 89 | Israel | 3.7 | | | |
| 18 | Slovenia | 5.1 | | | | 90 | Cambodia | 3.7 | | | |
| 19 | Estonia | 5.0 | | | | 91 | Tajikistan | 3.7 | | | |
| 20 | Malaysia | 5.0 | | | | 92 | Nigeria | 3.6 | | | |
| 21 | Bosnia and Herzegovina | 5.0 | | | | 93 | Ghana | 3.6 | | | |
| 22 | Iceland | 5.0 | | | | 94 | Portugal | 3.6 | | | |
| 23 | Brunei Darussalam | 4.9 | | | | 95 | Nepal | 3.6 | | | |
| 24 | Australia | 4.9 | | | | 96 | Malawi | 3.6 | | | |
| 25 | France | 4.9 | | | | 97 | Spain | 3.6 | | | |
| 26 | Croatia | 4.8 | | | | 98 | Philippines | 3.6 | | | |
| 27 | Japan | 4.8 | | | | 99 | Azerbaijan | 3.5 | | | |
| 28 | Jordan | 4.7 | | | | 100 | Turkey | 3.5 | | | |
| 29 | Germany | 4.7 | | | | 101 | Georgia | 3.5 | | | |
| 30 | India | 4.7 | | | | 102 | Ecuador | 3.5 | | | |
| 31 | Ireland | 4.7 | | | | 103 | Bolivia | 3.5 | | | |
| 32 | Iran, Islamic Rep. | 4.6 | | | | 104 | Kuwait | 3.4 | | | |
| 33 | China | 4.6 | | | | 105 | Guinea | 3.4 | | | |
| 34 | Ukraine | 4.6 | | | | 106 | Colombia | 3.4 | | | |
| 35 | Trinidad and Tobago | 4.6 | | | | 107 | Cape Verde | 3.4 | | | |
| 36 | Sweden | 4.6 | | | | 108 | Uganda | 3.4 | | | |
| 37 | Saudi Arabia | 4.5 | | | | 109 | Ethiopia | 3.4 | | | |
| 38 | Denmark | 4.5 | | | | 110 | Swaziland | 3.2 | | | |
| 39 | Hungary | 4.5 | | | | 111 | Chad | 3.2 | | | |
| 40 | Albania | 4.5 | | | | 112 | Burundi | 3.2 | | | |
| 41 | Costa Rica | 4.5 | | | | 113 | Bangladesh | 3.2 | | | |
| 42 | United Kingdom | 4.5 | | | | 114 | Kyrgyz Republic | 3.1 | | | |
| 43 | Austria | 4.4 | | | | 115 | Argentina | 3.1 | | | |
| 44 | Montenegro | 4.4 | | | | 116 | Jamaica | 3.0 | | | |
| 45 | Indonesia | 4.4 | | | | 117 | Chile | 3.0 | | | |
| 46 | Luxembourg | 4.3 | | | | 118 | Uruguay | 3.0 | | | |
| 47 | United States | 4.3 | | | | 119 | Lesotho | 3.0 | | | |
| 48 | Latvia | 4.3 | | | | 120 | Venezuela | 2.9 | | | |
| 49 | Mauritius | 4.3 | | | | 121 | Mali | 2.8 | | | |
| 50 | Zimbabwe | 4.3 | | | | 122 | Tanzania | 2.8 | | | |
| 51 | Benin | 4.3 | | | | 123 | Gabon | 2.8 | | | |
| 52 | Russian Federation | 4.3 | | | | 124 | Mexico | 2.8 | | | |
| 53 | Morocco | 4.3 | | | | 125 | Panama | 2.8 | | | |
| 54 | Greece | 4.2 | | | | 126 | Mauritania | 2.7 | | | |
| 55 | Romania | 4.2 | | | | 127 | Namibia | 2.7 | | | |
| 56 | Bahrain | 4.2 | | | | 128 | Nicaragua | 2.7 | | | |
| 57 | Norway | 4.2 | | | | 129 | Algeria | 2.7 | | | |
| 58 | Vietnam | 4.1 | | | | 130 | Haiti | 2.6 | | | |
| 59 | Poland | 4.1 | | | | 131 | Mozambique | 2.6 | | | |
| 60 | Serbia | 4.1 | | | | 132 | Brazil | 2.6 | | | |
| 61 | Thailand | 4.1 | | | | 133 | El Salvador | 2.5 | | | |
| 62 | Rwanda | 4.1 | | | | 134 | Sierra Leone | 2.5 | | | |
| 63 | Mongolia | 4.1 | | | | 135 | Libya | 2.4 | | | |
| 64 | Moldova | 4.1 | | | | 136 | Timor-Leste | 2.4 | | | |
| 65 | Italy | 4.1 | | | | 137 | Guatemala | 2.4 | | | |
| 66 | Botswana | 4.1 | | | | 138 | Honduras | 2.3 | | | |
| 67 | Macedonia, FYR | 4.1 | | | | 139 | Egypt | 2.3 | | | |
| 68 | Bulgaria | 4.0 | | | | 140 | Paraguay | 2.2 | | | |
| 69 | Sri Lanka | 4.0 | | | | 141 | Peru | 2.1 | | | |
| 70 | Guyana | 4.0 | | | | 142 | Dominican Republic | 2.1 | | | |
| 71 | Armenia | 4.0 | | | | 143 | South Africa | 2.0 | | | |
| 72 | Seychelles | 4.0 | | | | 144 | Yemen | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

5.05 Quality of management schools

How would you assess the quality of management or business schools in your country? [1 = poor; 7 = excellent – among the best in the world] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | United Kingdom | 6.1 | | | | 73 | Rwanda | 4.2 | | | |
| 2 | Belgium | 6.0 | | | | 74 | Colombia | 4.1 | | | |
| 3 | Switzerland | 6.0 | | | | 75 | Zambia | 4.1 | | | |
| 4 | Spain | 5.8 | | | | 76 | Mauritius | 4.1 | | | |
| 5 | Canada | 5.7 | | | | 77 | Jamaica | 4.1 | | | |
| 6 | Singapore | 5.7 | | | | 78 | Zimbabwe | 4.1 | | | |
| 7 | Qatar | 5.7 | | | | 79 | Bahrain | 4.1 | | | |
| 8 | France | 5.6 | | | | 80 | Japan | 4.1 | | | |
| 9 | Netherlands | 5.6 | | | | 81 | Hungary | 4.1 | | | |
| 10 | Finland | 5.6 | | | | 82 | Panama | 4.1 | | | |
| 11 | Sweden | 5.4 | | | | 83 | Côte d'Ivoire | 4.1 | | | |
| 12 | United States | 5.4 | | | | 84 | Seychelles | 4.0 | | | |
| 13 | Lebanon | 5.4 | | | | 85 | Poland | 4.0 | | | |
| 14 | Chile | 5.4 | | | | 86 | Nigeria | 3.9 | | | |
| 15 | South Africa | 5.3 | | | | 87 | Croatia | 3.9 | | | |
| 16 | Australia | 5.3 | | | | 88 | Dominican Republic | 3.9 | | | |
| 17 | Hong Kong SAR | 5.3 | | | | 89 | Uganda | 3.9 | | | |
| 18 | Iceland | 5.2 | | | | 90 | Madagascar | 3.9 | | | |
| 19 | Costa Rica | 5.2 | | | | 91 | Bangladesh | 3.9 | | | |
| 20 | New Zealand | 5.2 | | | | 92 | Botswana | 3.9 | | | |
| 21 | Barbados | 5.2 | | | | 93 | Iran, Islamic Rep. | 3.9 | | | |
| 22 | Portugal | 5.1 | | | | 94 | Ecuador | 3.8 | | | |
| 23 | Ireland | 5.1 | | | | 95 | Czech Republic | 3.8 | | | |
| 24 | Norway | 5.1 | | | | 96 | Cambodia | 3.8 | | | |
| 25 | Denmark | 5.1 | | | | 97 | Turkey | 3.8 | | | |
| 26 | Malaysia | 5.0 | | | | 98 | Nicaragua | 3.8 | | | |
| 27 | United Arab Emirates | 5.0 | | | | 99 | El Salvador | 3.8 | | | |
| 28 | Malta | 5.0 | | | | 100 | Malawi | 3.7 | | | |
| 29 | Taiwan, China | 5.0 | | | | 101 | Bulgaria | 3.7 | | | |
| 30 | Cyprus | 5.0 | | | | 102 | Kuwait | 3.7 | | | |
| 31 | Gambia, The | 4.9 | | | | 103 | Kazakhstan | 3.7 | | | |
| 32 | Germany | 4.9 | | | | 104 | Greece | 3.7 | | | |
| 33 | India | 4.9 | | | | 105 | Burkina Faso | 3.7 | | | |
| 34 | Argentina | 4.9 | | | | 106 | Macedonia, FYR | 3.7 | | | |
| 35 | Italy | 4.8 | | | | 107 | Oman | 3.6 | | | |
| 36 | Trinidad and Tobago | 4.8 | | | | 108 | Ethiopia | 3.6 | | | |
| 37 | Austria | 4.8 | | | | 109 | Honduras | 3.6 | | | |
| 38 | Sri Lanka | 4.8 | | | | 110 | Georgia | 3.6 | | | |
| 39 | Philippines | 4.7 | | | | 111 | Slovak Republic | 3.6 | | | |
| 40 | Israel | 4.7 | | | | 112 | Romania | 3.5 | | | |
| 41 | Senegal | 4.7 | | | | 113 | Nepal | 3.5 | | | |
| 42 | Korea, Rep. | 4.7 | | | | 114 | Cape Verde | 3.5 | | | |
| 43 | Guatemala | 4.6 | | | | 115 | Russian Federation | 3.5 | | | |
| 44 | Puerto Rico | 4.6 | | | | 116 | Serbia | 3.5 | | | |
| 45 | Saudi Arabia | 4.6 | | | | 117 | Ukraine | 3.4 | | | |
| 46 | Cameroon | 4.5 | | | | 118 | Tanzania | 3.4 | | | |
| 47 | Morocco | 4.5 | | | | 119 | Tajikistan | 3.4 | | | |
| 48 | Estonia | 4.5 | | | | 120 | Bolivia | 3.4 | | | |
| 49 | Peru | 4.5 | | | | 121 | Moldova | 3.3 | | | |
| 50 | Bosnia and Herzegovina | 4.4 | | | | 122 | Mali | 3.3 | | | |
| 51 | Mexico | 4.4 | | | | 123 | Azerbaijan | 3.3 | | | |
| 52 | Brazil | 4.4 | | | | 124 | Paraguay | 3.3 | | | |
| 53 | Benin | 4.4 | | | | 125 | Vietnam | 3.2 | | | |
| 54 | Uruguay | 4.4 | | | | 126 | Sierra Leone | 3.2 | | | |
| 55 | Jordan | 4.3 | | | | 127 | Armenia | 3.2 | | | |
| 56 | Kenya | 4.3 | | | | 128 | Chad | 3.2 | | | |
| 57 | Lithuania | 4.3 | | | | 129 | Namibia | 3.1 | | | |
| 58 | Brunei Darussalam | 4.3 | | | | 130 | Gabon | 3.1 | | | |
| 59 | Montenegro | 4.3 | | | | 131 | Algeria | 3.0 | | | |
| 60 | Luxembourg | 4.3 | | | | 132 | Mongolia | 3.0 | | | |
| 61 | Albania | 4.3 | | | | 133 | Mozambique | 2.9 | | | |
| 62 | Thailand | 4.3 | | | | 134 | Lesotho | 2.8 | | | |
| 63 | Suriname | 4.3 | | | | 135 | Swaziland | 2.8 | | | |
| 64 | Guyana | 4.3 | | | | 136 | Burundi | 2.8 | | | |
| 65 | Ghana | 4.3 | | | | 137 | Egypt | 2.8 | | | |
| 66 | Slovenia | 4.3 | | | | 138 | Mauritania | 2.7 | | | |
| 67 | Latvia | 4.2 | | | | 139 | Guinea | 2.7 | | | |
| 68 | China | 4.2 | | | | 140 | Haiti | 2.7 | | | |
| 69 | Liberia | 4.2 | | | | 141 | Kyrgyz Republic | 2.7 | | | |
| 70 | Indonesia | 4.2 | | | | 142 | Yemen | 2.4 | | | |
| 71 | Pakistan | 4.2 | | | | 143 | Timor-Leste | 2.3 | | | |
| 72 | Venezuela | 4.2 | | | | 144 | Libya | 2.3 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

5.06 Internet access in schools

How would you rate the level of access to the Internet in schools in your country? [1 = very limited; 7 = extensive] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Iceland | 6.5 | | | | 73 | Philippines | 4.1 | | | |
| 2 | Estonia | 6.4 | | | | 74 | Jamaica | 4.1 | | | |
| 3 | Finland | 6.4 | | | | 75 | India | 4.0 | | | |
| 4 | Netherlands | 6.3 | | | | 76 | Colombia | 4.0 | | | |
| 5 | Singapore | 6.3 | | | | 77 | Gambia, The | 4.0 | | | |
| 6 | Switzerland | 6.2 | | | | 78 | Armenia | 3.9 | | | |
| 7 | Korea, Rep. | 6.2 | | | | 79 | Azerbaijan | 3.9 | | | |
| 8 | United Kingdom | 6.2 | | | | 80 | Mongolia | 3.9 | | | |
| 9 | Taiwan, China | 6.1 | | | | 81 | Greece | 3.9 | | | |
| 10 | Qatar | 6.1 | | | | 82 | Mexico | 3.8 | | | |
| 11 | Sweden | 6.1 | | | | 83 | Cambodia | 3.8 | | | |
| 12 | Australia | 6.1 | | | | 84 | Senegal | 3.8 | | | |
| 13 | Canada | 6.1 | | | | 85 | Kenya | 3.8 | | | |
| 14 | Luxembourg | 6.0 | | | | 86 | Italy | 3.8 | | | |
| 15 | Uruguay | 6.0 | | | | 87 | Argentina | 3.7 | | | |
| 16 | Hong Kong SAR | 6.0 | | | | 88 | Brazil | 3.7 | | | |
| 17 | Norway | 5.9 | | | | 89 | Peru | 3.7 | | | |
| 18 | Malta | 5.9 | | | | 90 | Cape Verde | 3.6 | | | |
| 19 | Denmark | 5.9 | | | | 91 | Guyana | 3.6 | | | |
| 20 | Slovenia | 5.8 | | | | 92 | Serbia | 3.6 | | | |
| 21 | Czech Republic | 5.8 | | | | 93 | Pakistan | 3.6 | | | |
| 22 | United Arab Emirates | 5.8 | | | | 94 | Tajikistan | 3.6 | | | |
| 23 | Lithuania | 5.8 | | | | 95 | Morocco | 3.5 | | | |
| 24 | United States | 5.7 | | | | 96 | Botswana | 3.5 | | | |
| 25 | Austria | 5.7 | | | | 97 | Lebanon | 3.5 | | | |
| 26 | Portugal | 5.7 | | | | 98 | Ecuador | 3.5 | | | |
| 27 | New Zealand | 5.7 | | | | 99 | Nigeria | 3.5 | | | |
| 28 | Belgium | 5.7 | | | | 100 | Bolivia | 3.4 | | | |
| 29 | Slovak Republic | 5.5 | | | | 101 | Venezuela | 3.4 | | | |
| 30 | Hungary | 5.4 | | | | 102 | Dominican Republic | 3.4 | | | |
| 31 | China | 5.4 | | | | 103 | El Salvador | 3.4 | | | |
| 32 | Latvia | 5.4 | | | | 104 | Nepal | 3.3 | | | |
| 33 | Barbados | 5.3 | | | | 105 | Sri Lanka | 3.3 | | | |
| 34 | Brunei Darussalam | 5.3 | | | | 106 | Mali | 3.3 | | | |
| 35 | Bahrain | 5.3 | | | | 107 | Zambia | 3.2 | | | |
| 36 | Cyprus | 5.2 | | | | 108 | Liberia | 3.2 | | | |
| 37 | Panama | 5.2 | | | | 109 | Ghana | 3.2 | | | |
| 38 | Malaysia | 5.1 | | | | 110 | Namibia | 3.1 | | | |
| 39 | Israel | 5.1 | | | | 111 | South Africa | 3.1 | | | |
| 40 | Oman | 5.0 | | | | 112 | Nicaragua | 3.1 | | | |
| 41 | Vietnam | 5.0 | | | | 113 | Guatemala | 3.1 | | | |
| 42 | Saudi Arabia | 4.9 | | | | 114 | Kyrgyz Republic | 3.1 | | | |
| 43 | Japan | 4.9 | | | | 115 | Honduras | 3.0 | | | |
| 44 | Jordan | 4.9 | | | | 116 | Egypt | 3.0 | | | |
| 45 | Germany | 4.8 | | | | 117 | Iran, Islamic Rep. | 2.9 | | | |
| 46 | Macedonia, FYR | 4.8 | | | | 118 | Uganda | 2.9 | | | |
| 47 | Spain | 4.8 | | | | 119 | Ethiopia | 2.8 | | | |
| 48 | Chile | 4.7 | | | | 120 | Tanzania | 2.8 | | | |
| 49 | Croatia | 4.7 | | | | 121 | Mozambique | 2.7 | | | |
| 50 | Bulgaria | 4.7 | | | | 122 | Bangladesh | 2.6 | | | |
| 51 | Ireland | 4.6 | | | | 123 | Zimbabwe | 2.6 | | | |
| 52 | Seychelles | 4.6 | | | | 124 | Malawi | 2.6 | | | |
| 53 | Poland | 4.5 | | | | 125 | Suriname | 2.5 | | | |
| 54 | Albania | 4.5 | | | | 126 | Swaziland | 2.5 | | | |
| 55 | Trinidad and Tobago | 4.5 | | | | 127 | Benin | 2.5 | | | |
| 56 | Indonesia | 4.5 | | | | 128 | Timor-Leste | 2.4 | | | |
| 57 | Puerto Rico | 4.5 | | | | 129 | Lesotho | 2.4 | | | |
| 58 | Costa Rica | 4.5 | | | | 130 | Cameroon | 2.4 | | | |
| 59 | France | 4.4 | | | | 131 | Paraguay | 2.4 | | | |
| 60 | Montenegro | 4.4 | | | | 132 | Algeria | 2.4 | | | |
| 61 | Moldova | 4.4 | | | | 133 | Madagascar | 2.2 | | | |
| 62 | Ukraine | 4.4 | | | | 134 | Libya | 2.2 | | | |
| 63 | Thailand | 4.3 | | | | 135 | Mauritania | 2.1 | | | |
| 64 | Romania | 4.3 | | | | 136 | Sierra Leone | 1.9 | | | |
| 65 | Georgia | 4.3 | | | | 137 | Haiti | 1.9 | | | |
| 66 | Rwanda | 4.3 | | | | 138 | Côte d'Ivoire | 1.8 | | | |
| 67 | Kazakhstan | 4.3 | | | | 139 | Guinea | 1.7 | | | |
| 68 | Turkey | 4.3 | | | | 140 | Yemen | 1.7 | | | |
| 69 | Kuwait | 4.2 | | | | 141 | Burkina Faso | 1.7 | | | |
| 70 | Russian Federation | 4.2 | | | | 142 | Gabon | 1.7 | | | |
| 71 | Bosnia and Herzegovina | 4.2 | | | | 143 | Burundi | 1.5 | | | |
| 72 | Mauritius | 4.1 | | | | 144 | Chad | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

5.07 Local availability of specialized research and training services

In your country, to what extent are high-quality, specialized training services available? [1 = not available; 7 = widely available] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.4 | | | | 73 | Iran, Islamic Rep. | 4.1 | | | |
| 2 | Netherlands | 6.1 | | | | 74 | Croatia | 4.1 | | | |
| 3 | Austria | 6.1 | | | | 75 | Colombia | 4.1 | | | |
| 4 | Germany | 6.1 | | | | 76 | Benin | 4.1 | | | |
| 5 | Belgium | 5.9 | | | | 77 | Turkey | 4.0 | | | |
| 6 | United Kingdom | 5.9 | | | | 78 | Cambodia | 4.0 | | | |
| 7 | Sweden | 5.8 | | | | 79 | Liberia | 4.0 | | | |
| 8 | Finland | 5.7 | | | | 80 | Russian Federation | 4.0 | | | |
| 9 | United States | 5.6 | | | | 81 | El Salvador | 3.9 | | | |
| 10 | Hong Kong SAR | 5.5 | | | | 82 | Jamaica | 3.9 | | | |
| 11 | Puerto Rico | 5.5 | | | | 83 | Hungary | 3.9 | | | |
| 12 | Japan | 5.5 | | | | 84 | Dominican Republic | 3.9 | | | |
| 13 | Canada | 5.5 | | | | 85 | Peru | 3.9 | | | |
| 14 | Norway | 5.4 | | | | 86 | Oman | 3.9 | | | |
| 15 | France | 5.4 | | | | 87 | Macedonia, FYR | 3.8 | | | |
| 16 | Singapore | 5.4 | | | | 88 | Tajikistan | 3.8 | | | |
| 17 | Malaysia | 5.4 | | | | 89 | Montenegro | 3.8 | | | |
| 18 | Australia | 5.3 | | | | 90 | Bulgaria | 3.8 | | | |
| 19 | Denmark | 5.3 | | | | 91 | Uganda | 3.8 | | | |
| 20 | Taiwan, China | 5.2 | | | | 92 | Greece | 3.8 | | | |
| 21 | United Arab Emirates | 5.2 | | | | 93 | Burkina Faso | 3.7 | | | |
| 22 | Luxembourg | 5.2 | | | | 94 | Honduras | 3.7 | | | |
| 23 | Czech Republic | 5.1 | | | | 95 | Botswana | 3.7 | | | |
| 24 | Ireland | 5.0 | | | | 96 | Ghana | 3.7 | | | |
| 25 | Qatar | 5.0 | | | | 97 | Kuwait | 3.7 | | | |
| 26 | Costa Rica | 4.9 | | | | 98 | Ukraine | 3.7 | | | |
| 27 | Israel | 4.9 | | | | 99 | Egypt | 3.7 | | | |
| 28 | Spain | 4.9 | | | | 100 | Guyana | 3.7 | | | |
| 29 | Iceland | 4.9 | | | | 101 | Mali | 3.6 | | | |
| 30 | Poland | 4.8 | | | | 102 | Pakistan | 3.6 | | | |
| 31 | Korea, Rep. | 4.8 | | | | 103 | Tanzania | 3.6 | | | |
| 32 | New Zealand | 4.8 | | | | 104 | Zimbabwe | 3.6 | | | |
| 33 | Italy | 4.8 | | | | 105 | Ecuador | 3.6 | | | |
| 34 | Brazil | 4.8 | | | | 106 | Armenia | 3.5 | | | |
| 35 | Saudi Arabia | 4.7 | | | | 107 | Bolivia | 3.5 | | | |
| 36 | Chile | 4.7 | | | | 108 | Malawi | 3.5 | | | |
| 37 | Portugal | 4.7 | | | | 109 | Brunei Darussalam | 3.5 | | | |
| 38 | Senegal | 4.7 | | | | 110 | Rwanda | 3.5 | | | |
| 39 | Estonia | 4.6 | | | | 111 | Seychelles | 3.5 | | | |
| 40 | Slovak Republic | 4.6 | | | | 112 | Romania | 3.5 | | | |
| 41 | Bahrain | 4.6 | | | | 113 | Bosnia and Herzegovina | 3.4 | | | |
| 42 | Barbados | 4.6 | | | | 114 | Moldova | 3.4 | | | |
| 43 | Panama | 4.6 | | | | 115 | Suriname | 3.4 | | | |
| 44 | Mexico | 4.6 | | | | 116 | Venezuela | 3.4 | | | |
| 45 | Malta | 4.5 | | | | 117 | Chad | 3.3 | | | |
| 46 | Uruguay | 4.5 | | | | 118 | Albania | 3.3 | | | |
| 47 | Jordan | 4.5 | | | | 119 | Georgia | 3.3 | | | |
| 48 | Lithuania | 4.4 | | | | 120 | Cape Verde | 3.3 | | | |
| 49 | Azerbaijan | 4.4 | | | | 121 | Paraguay | 3.3 | | | |
| 50 | Slovenia | 4.4 | | | | 122 | Mauritania | 3.3 | | | |
| 51 | South Africa | 4.4 | | | | 123 | Madagascar | 3.2 | | | |
| 52 | Gambia, The | 4.4 | | | | 124 | Nicaragua | 3.2 | | | |
| 53 | Guatemala | 4.4 | | | | 125 | Serbia | 3.2 | | | |
| 54 | Cyprus | 4.4 | | | | 126 | Vietnam | 3.1 | | | |
| 55 | China | 4.4 | | | | 127 | Guinea | 3.1 | | | |
| 56 | Lebanon | 4.3 | | | | 128 | Mozambique | 3.1 | | | |
| 57 | Indonesia | 4.3 | | | | 129 | Nepal | 3.1 | | | |
| 58 | Morocco | 4.3 | | | | 130 | Kyrgyz Republic | 3.1 | | | |
| 59 | India | 4.3 | | | | 131 | Namibia | 3.0 | | | |
| 60 | Argentina | 4.3 | | | | 132 | Swaziland | 3.0 | | | |
| 61 | Zambia | 4.3 | | | | 133 | Ethiopia | 2.9 | | | |
| 62 | Philippines | 4.3 | | | | 134 | Sierra Leone | 2.8 | | | |
| 63 | Sri Lanka | 4.3 | | | | 135 | Lesotho | 2.8 | | | |
| 64 | Kenya | 4.3 | | | | 136 | Timor-Leste | 2.8 | | | |
| 65 | Trinidad and Tobago | 4.3 | | | | 137 | Bangladesh | 2.8 | | | |
| 66 | Thailand | 4.2 | | | | 138 | Algeria | 2.8 | | | |
| 67 | Mauritius | 4.2 | | | | 139 | Gabon | 2.6 | | | |
| 68 | Nigeria | 4.2 | | | | 140 | Yemen | 2.5 | | | |
| 69 | Latvia | 4.1 | | | | 141 | Mongolia | 2.5 | | | |
| 70 | Cameroon | 4.1 | | | | 142 | Haiti | 2.4 | | | |
| 71 | Côte d'Ivoire | 4.1 | | | | 143 | Libya | 2.4 | | | |
| 72 | Kazakhstan | 4.1 | | | | 144 | Burundi | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

5.08 Extent of staff training

To what extent do companies in your country invest in training and employee development? [1 = hardly at all; 7 = to a great extent] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 5.6 | | | | 73 | Portugal | 3.9 | | | |
| 2 | Finland | 5.4 | | | | 74 | Cambodia | 3.9 | | | |
| 3 | Singapore | 5.3 | | | | 75 | Morocco | 3.9 | | | |
| 4 | Luxembourg | 5.3 | | | | 76 | Dominican Republic | 3.9 | | | |
| 5 | Japan | 5.3 | | | | 77 | Tanzania | 3.8 | | | |
| 6 | Sweden | 5.2 | | | | 78 | Argentina | 3.8 | | | |
| 7 | Malaysia | 5.2 | | | | 79 | Tajikistan | 3.8 | | | |
| 8 | Netherlands | 5.2 | | | | 80 | Sri Lanka | 3.8 | | | |
| 9 | Norway | 5.2 | | | | 81 | El Salvador | 3.8 | | | |
| 10 | Denmark | 5.1 | | | | 82 | Zimbabwe | 3.8 | | | |
| 11 | Qatar | 5.0 | | | | 83 | Cameroon | 3.8 | | | |
| 12 | Austria | 5.0 | | | | 84 | Peru | 3.8 | | | |
| 13 | Germany | 5.0 | | | | 85 | Cyprus | 3.8 | | | |
| 14 | United Kingdom | 5.0 | | | | 86 | Uruguay | 3.8 | | | |
| 15 | United States | 5.0 | | | | 87 | Swaziland | 3.8 | | | |
| 16 | Ireland | 4.9 | | | | 88 | Jordan | 3.8 | | | |
| 17 | United Arab Emirates | 4.9 | | | | 89 | Russian Federation | 3.7 | | | |
| 18 | New Zealand | 4.8 | | | | 90 | Ecuador | 3.7 | | | |
| 19 | Puerto Rico | 4.8 | | | | 91 | Slovenia | 3.7 | | | |
| 20 | Belgium | 4.8 | | | | 92 | Kuwait | 3.7 | | | |
| 21 | Iceland | 4.7 | | | | 93 | Gabon | 3.7 | | | |
| 22 | Gambia, The | 4.7 | | | | 94 | Malawi | 3.7 | | | |
| 23 | Canada | 4.7 | | | | 95 | Slovak Republic | 3.7 | | | |
| 24 | Hong Kong SAR | 4.6 | | | | 96 | Ghana | 3.7 | | | |
| 25 | Bahrain | 4.6 | | | | 97 | Nicaragua | 3.6 | | | |
| 26 | South Africa | 4.6 | | | | 98 | Armenia | 3.6 | | | |
| 27 | Israel | 4.6 | | | | 99 | Colombia | 3.6 | | | |
| 28 | Australia | 4.6 | | | | 100 | Uganda | 3.6 | | | |
| 29 | Costa Rica | 4.6 | | | | 101 | Georgia | 3.6 | | | |
| 30 | Barbados | 4.6 | | | | 102 | Lebanon | 3.6 | | | |
| 31 | Taiwan, China | 4.6 | | | | 103 | Bolivia | 3.6 | | | |
| 32 | Philippines | 4.6 | | | | 104 | Venezuela | 3.6 | | | |
| 33 | Brazil | 4.4 | | | | 105 | Spain | 3.6 | | | |
| 34 | Oman | 4.4 | | | | 106 | Ukraine | 3.6 | | | |
| 35 | Saudi Arabia | 4.4 | | | | 107 | Paraguay | 3.5 | | | |
| 36 | Albania | 4.4 | | | | 108 | Zambia | 3.5 | | | |
| 37 | Mauritius | 4.3 | | | | 109 | Bosnia and Herzegovina | 3.5 | | | |
| 38 | Chile | 4.3 | | | | 110 | Hungary | 3.5 | | | |
| 39 | Indonesia | 4.3 | | | | 111 | Romania | 3.4 | | | |
| 40 | Guatemala | 4.3 | | | | 112 | Pakistan | 3.4 | | | |
| 41 | France | 4.3 | | | | 113 | Madagascar | 3.4 | | | |
| 42 | Korea, Rep. | 4.3 | | | | 114 | Guinea | 3.3 | | | |
| 43 | Panama | 4.2 | | | | 115 | Greece | 3.3 | | | |
| 44 | Côte d'Ivoire | 4.2 | | | | 116 | Vietnam | 3.3 | | | |
| 45 | China | 4.2 | | | | 117 | Lesotho | 3.3 | | | |
| 46 | Estonia | 4.2 | | | | 118 | Bulgaria | 3.3 | | | |
| 47 | Suriname | 4.2 | | | | 119 | Mozambique | 3.2 | | | |
| 48 | Czech Republic | 4.2 | | | | 120 | Cape Verde | 3.2 | | | |
| 49 | Thailand | 4.2 | | | | 121 | Yemen | 3.2 | | | |
| 50 | Malta | 4.1 | | | | 122 | Moldova | 3.2 | | | |
| 51 | Montenegro | 4.1 | | | | 123 | Italy | 3.2 | | | |
| 52 | Brunei Darussalam | 4.1 | | | | 124 | Croatia | 3.2 | | | |
| 53 | Latvia | 4.1 | | | | 125 | Sierra Leone | 3.1 | | | |
| 54 | India | 4.1 | | | | 126 | Macedonia, FYR | 3.1 | | | |
| 55 | Namibia | 4.1 | | | | 127 | Timor-Leste | 3.1 | | | |
| 56 | Azerbaijan | 4.1 | | | | 128 | Kyrgyz Republic | 3.1 | | | |
| 57 | Nigeria | 4.1 | | | | 129 | Egypt | 3.1 | | | |
| 58 | Jamaica | 4.1 | | | | 130 | Mali | 3.1 | | | |
| 59 | Poland | 4.0 | | | | 131 | Ethiopia | 3.1 | | | |
| 60 | Mongolia | 4.0 | | | | 132 | Nepal | 3.1 | | | |
| 61 | Guyana | 4.0 | | | | 133 | Benin | 3.1 | | | |
| 62 | Seychelles | 4.0 | | | | 134 | Iran, Islamic Rep. | 3.0 | | | |
| 63 | Honduras | 4.0 | | | | 135 | Senegal | 3.0 | | | |
| 64 | Liberia | 4.0 | | | | 136 | Bangladesh | 3.0 | | | |
| 65 | Turkey | 4.0 | | | | 137 | Burkina Faso | 2.9 | | | |
| 66 | Lithuania | 4.0 | | | | 138 | Serbia | 2.9 | | | |
| 67 | Mexico | 4.0 | | | | 139 | Chad | 2.9 | | | |
| 68 | Botswana | 3.9 | | | | 140 | Libya | 2.9 | | | |
| 69 | Rwanda | 3.9 | | | | 141 | Mauritania | 2.7 | | | |
| 70 | Kenya | 3.9 | | | | 142 | Algeria | 2.6 | | | |
| 71 | Trinidad and Tobago | 3.9 | | | | 143 | Burundi | 2.4 | | | |
| 72 | Kazakhstan | 3.9 | | | | 144 | Haiti | 2.3 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

Pillar 6

Goods market efficiency

6.01 Intensity of local competition

How would you assess the intensity of competition in the local markets in your country? [1 = limited in most industries; 7 = intense in most industries] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Netherlands | 6.1 | | | | 73 | Paraguay | 4.8 | | | |
| 2 | Japan | 6.0 | | | | 74 | Botswana | 4.8 | | | |
| 3 | Taiwan, China | 6.0 | | | | 75 | Mexico | 4.8 | | | |
| 4 | Belgium | 6.0 | | | | 76 | Suriname | 4.7 | | | |
| 5 | United Kingdom | 6.0 | | | | 77 | Uganda | 4.7 | | | |
| 6 | Australia | 5.9 | | | | 78 | Côte d'Ivoire | 4.7 | | | |
| 7 | Austria | 5.8 | | | | 79 | Colombia | 4.7 | | | |
| 8 | Germany | 5.8 | | | | 80 | Yemen | 4.7 | | | |
| 9 | Hong Kong SAR | 5.8 | | | | 81 | Kuwait | 4.7 | | | |
| 10 | Malta | 5.8 | | | | 82 | Gambia, The | 4.7 | | | |
| 11 | Korea, Rep. | 5.7 | | | | 83 | Bangladesh | 4.7 | | | |
| 12 | Qatar | 5.7 | | | | 84 | Iceland | 4.6 | | | |
| 13 | Czech Republic | 5.7 | | | | 85 | Pakistan | 4.6 | | | |
| 14 | Saudi Arabia | 5.7 | | | | 86 | Mongolia | 4.6 | | | |
| 15 | United Arab Emirates | 5.7 | | | | 87 | Liberia | 4.6 | | | |
| 16 | Turkey | 5.7 | | | | 88 | Trinidad and Tobago | 4.6 | | | |
| 17 | Puerto Rico | 5.7 | | | | 89 | Honduras | 4.6 | | | |
| 18 | United States | 5.6 | | | | 90 | Seychelles | 4.5 | | | |
| 19 | Canada | 5.6 | | | | 91 | Namibia | 4.5 | | | |
| 20 | Switzerland | 5.6 | | | | 92 | Nigeria | 4.5 | | | |
| 21 | Singapore | 5.5 | | | | 93 | Benin | 4.5 | | | |
| 22 | Sweden | 5.5 | | | | 94 | Zimbabwe | 4.4 | | | |
| 23 | Spain | 5.5 | | | | 95 | Greece | 4.4 | | | |
| 24 | New Zealand | 5.5 | | | | 96 | Indonesia | 4.4 | | | |
| 25 | Estonia | 5.5 | | | | 97 | Cameroon | 4.4 | | | |
| 26 | Sri Lanka | 5.5 | | | | 98 | Rwanda | 4.4 | | | |
| 27 | Slovak Republic | 5.5 | | | | 99 | Uruguay | 4.4 | | | |
| 28 | France | 5.5 | | | | 100 | Madagascar | 4.4 | | | |
| 29 | Denmark | 5.4 | | | | 101 | Bulgaria | 4.3 | | | |
| 30 | Poland | 5.4 | | | | 102 | Romania | 4.3 | | | |
| 31 | Jordan | 5.4 | | | | 103 | Ecuador | 4.3 | | | |
| 32 | Norway | 5.4 | | | | 104 | Ukraine | 4.3 | | | |
| 33 | Bahrain | 5.4 | | | | 105 | Burkina Faso | 4.3 | | | |
| 34 | India | 5.4 | | | | 106 | Iran, Islamic Rep. | 4.3 | | | |
| 35 | Lebanon | 5.4 | | | | 107 | Tajikistan | 4.2 | | | |
| 36 | Malaysia | 5.4 | | | | 108 | Moldova | 4.2 | | | |
| 37 | China | 5.3 | | | | 109 | Tanzania | 4.2 | | | |
| 38 | Hungary | 5.3 | | | | 110 | Mali | 4.2 | | | |
| 39 | Chile | 5.3 | | | | 111 | Swaziland | 4.2 | | | |
| 40 | Ireland | 5.2 | | | | 112 | Nepal | 4.2 | | | |
| 41 | Slovenia | 5.2 | | | | 113 | Kazakhstan | 4.1 | | | |
| 42 | Mauritius | 5.2 | | | | 114 | Montenegro | 4.1 | | | |
| 43 | Cyprus | 5.1 | | | | 115 | Libya | 4.1 | | | |
| 44 | Vietnam | 5.1 | | | | 116 | Guinea | 4.1 | | | |
| 45 | Brazil | 5.1 | | | | 117 | Argentina | 4.1 | | | |
| 46 | Guatemala | 5.1 | | | | 118 | Lesotho | 4.1 | | | |
| 47 | Oman | 5.1 | | | | 119 | Macedonia, FYR | 4.1 | | | |
| 48 | Lithuania | 5.1 | | | | 120 | Croatia | 4.0 | | | |
| 49 | Peru | 5.1 | | | | 121 | Egypt | 4.0 | | | |
| 50 | Philippines | 5.1 | | | | 122 | Cape Verde | 4.0 | | | |
| 51 | South Africa | 5.1 | | | | 123 | Kyrgyz Republic | 4.0 | | | |
| 52 | Senegal | 5.1 | | | | 124 | Russian Federation | 4.0 | | | |
| 53 | Ghana | 5.0 | | | | 125 | Mauritania | 3.9 | | | |
| 54 | Thailand | 5.0 | | | | 126 | Malawi | 3.9 | | | |
| 55 | Panama | 5.0 | | | | 127 | Georgia | 3.9 | | | |
| 56 | Dominican Republic | 5.0 | | | | 128 | Albania | 3.9 | | | |
| 57 | Morocco | 5.0 | | | | 129 | Nicaragua | 3.9 | | | |
| 58 | Luxembourg | 5.0 | | | | 130 | Armenia | 3.8 | | | |
| 59 | Guyana | 5.0 | | | | 131 | Azerbaijan | 3.8 | | | |
| 60 | Costa Rica | 5.0 | | | | 132 | Gabon | 3.8 | | | |
| 61 | Zambia | 5.0 | | | | 133 | Mozambique | 3.8 | | | |
| 62 | Portugal | 4.9 | | | | 134 | Haiti | 3.7 | | | |
| 63 | Kenya | 4.9 | | | | 135 | Bolivia | 3.7 | | | |
| 64 | El Salvador | 4.9 | | | | 136 | Sierra Leone | 3.7 | | | |
| 65 | Jamaica | 4.9 | | | | 137 | Serbia | 3.6 | | | |
| 66 | Israel | 4.9 | | | | 138 | Bosnia and Herzegovina | 3.6 | | | |
| 67 | Italy | 4.9 | | | | 139 | Ethiopia | 3.6 | | | |
| 68 | Finland | 4.9 | | | | 140 | Burundi | 3.5 | | | |
| 69 | Latvia | 4.9 | | | | 141 | Timor-Leste | 3.4 | | | |
| 70 | Barbados | 4.9 | | | | 142 | Chad | 3.3 | | | |
| 71 | Brunei Darussalam | 4.8 | | | | 143 | Venezuela | 3.3 | | | |
| 72 | Cambodia | 4.8 | | | | 144 | Algeria | 3.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.02 Extent of market dominance

How would you characterize corporate activity in your country? [1 = dominated by a few business groups; 7 = spread among many firms] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 5.8 | | | | 73 | Vietnam | 3.7 | | | |
| 2 | Germany | 5.8 | | | | 74 | Slovak Republic | 3.7 | | | |
| 3 | Japan | 5.5 | | | | 75 | Cape Verde | 3.7 | | | |
| 4 | Denmark | 5.5 | | | | 76 | Suriname | 3.7 | | | |
| 5 | Austria | 5.5 | | | | 77 | Ghana | 3.7 | | | |
| 6 | United Kingdom | 5.5 | | | | 78 | Barbados | 3.6 | | | |
| 7 | Netherlands | 5.4 | | | | 79 | Thailand | 3.6 | | | |
| 8 | Taiwan, China | 5.4 | | | | 80 | Zimbabwe | 3.6 | | | |
| 9 | United States | 5.2 | | | | 81 | Bolivia | 3.6 | | | |
| 10 | Belgium | 5.2 | | | | 82 | Iceland | 3.5 | | | |
| 11 | Singapore | 5.1 | | | | 83 | Kazakhstan | 3.5 | | | |
| 12 | Qatar | 5.0 | | | | 84 | Guyana | 3.5 | | | |
| 13 | Canada | 5.0 | | | | 85 | Namibia | 3.5 | | | |
| 14 | United Arab Emirates | 5.0 | | | | 86 | Mauritius | 3.5 | | | |
| 15 | Puerto Rico | 5.0 | | | | 87 | Seychelles | 3.5 | | | |
| 16 | Italy | 4.9 | | | | 88 | Trinidad and Tobago | 3.4 | | | |
| 17 | Norway | 4.9 | | | | 89 | Paraguay | 3.4 | | | |
| 18 | Saudi Arabia | 4.9 | | | | 90 | Armenia | 3.4 | | | |
| 19 | Malaysia | 4.9 | | | | 91 | Hungary | 3.4 | | | |
| 20 | Ireland | 4.8 | | | | 92 | Romania | 3.4 | | | |
| 21 | Sweden | 4.8 | | | | 93 | Peru | 3.4 | | | |
| 22 | Poland | 4.7 | | | | 94 | Honduras | 3.4 | | | |
| 23 | China | 4.6 | | | | 95 | Lithuania | 3.4 | | | |
| 24 | Sri Lanka | 4.6 | | | | 96 | Colombia | 3.4 | | | |
| 25 | Luxembourg | 4.6 | | | | 97 | Macedonia, FYR | 3.4 | | | |
| 26 | Finland | 4.6 | | | | 98 | Philippines | 3.3 | | | |
| 27 | India | 4.5 | | | | 99 | Korea, Rep. | 3.3 | | | |
| 28 | New Zealand | 4.5 | | | | 100 | Albania | 3.3 | | | |
| 29 | Spain | 4.5 | | | | 101 | Argentina | 3.3 | | | |
| 30 | Turkey | 4.4 | | | | 102 | Kuwait | 3.3 | | | |
| 31 | Brazil | 4.4 | | | | 103 | Madagascar | 3.3 | | | |
| 32 | Costa Rica | 4.3 | | | | 104 | Tanzania | 3.3 | | | |
| 33 | France | 4.3 | | | | 105 | Burundi | 3.3 | | | |
| 34 | Bahrain | 4.3 | | | | 106 | Bulgaria | 3.3 | | | |
| 35 | Australia | 4.3 | | | | 107 | Russian Federation | 3.3 | | | |
| 36 | Czech Republic | 4.3 | | | | 108 | Ukraine | 3.2 | | | |
| 37 | Gambia, The | 4.3 | | | | 109 | Portugal | 3.2 | | | |
| 38 | Cyprus | 4.2 | | | | 110 | Swaziland | 3.2 | | | |
| 39 | South Africa | 4.2 | | | | 111 | Burkina Faso | 3.2 | | | |
| 40 | Liberia | 4.2 | | | | 112 | Chile | 3.2 | | | |
| 41 | Nigeria | 4.2 | | | | 113 | Mexico | 3.2 | | | |
| 42 | Uruguay | 4.1 | | | | 114 | El Salvador | 3.2 | | | |
| 43 | Cameroon | 4.1 | | | | 115 | Uganda | 3.2 | | | |
| 44 | Lebanon | 4.1 | | | | 116 | Malawi | 3.2 | | | |
| 45 | Estonia | 4.0 | | | | 117 | Croatia | 3.2 | | | |
| 46 | Jordan | 4.0 | | | | 118 | Egypt | 3.2 | | | |
| 47 | Iran, Islamic Rep. | 4.0 | | | | 119 | Libya | 3.2 | | | |
| 48 | Panama | 4.0 | | | | 120 | Bangladesh | 3.2 | | | |
| 49 | Cambodia | 4.0 | | | | 121 | Georgia | 3.2 | | | |
| 50 | Zambia | 4.0 | | | | 122 | Mauritania | 3.1 | | | |
| 51 | Latvia | 4.0 | | | | 123 | Lesotho | 3.1 | | | |
| 52 | Jamaica | 3.9 | | | | 124 | Israel | 3.1 | | | |
| 53 | Brunei Darussalam | 3.9 | | | | 125 | Ecuador | 3.1 | | | |
| 54 | Tajikistan | 3.9 | | | | 126 | Timor-Leste | 3.1 | | | |
| 55 | Guatemala | 3.9 | | | | 127 | Bosnia and Herzegovina | 3.1 | | | |
| 56 | Hong Kong SAR | 3.9 | | | | 128 | Côte d'Ivoire | 3.1 | | | |
| 57 | Indonesia | 3.9 | | | | 129 | Kyrgyz Republic | 3.1 | | | |
| 58 | Morocco | 3.9 | | | | 130 | Moldova | 3.0 | | | |
| 59 | Montenegro | 3.8 | | | | 131 | Sierra Leone | 3.0 | | | |
| 60 | Malta | 3.8 | | | | 132 | Nicaragua | 3.0 | | | |
| 61 | Oman | 3.8 | | | | 133 | Mozambique | 2.9 | | | |
| 62 | Kenya | 3.8 | | | | 134 | Chad | 2.9 | | | |
| 63 | Rwanda | 3.8 | | | | 135 | Ethiopia | 2.8 | | | |
| 64 | Azerbaijan | 3.8 | | | | 136 | Gabon | 2.8 | | | |
| 65 | Pakistan | 3.8 | | | | 137 | Algeria | 2.8 | | | |
| 66 | Benin | 3.8 | | | | 138 | Venezuela | 2.7 | | | |
| 67 | Senegal | 3.7 | | | | 139 | Dominican Republic | 2.7 | | | |
| 68 | Mali | 3.7 | | | | 140 | Nepal | 2.7 | | | |
| 69 | Greece | 3.7 | | | | 141 | Yemen | 2.7 | | | |
| 70 | Botswana | 3.7 | | | | 142 | Serbia | 2.6 | | | |
| 71 | Slovenia | 3.7 | | | | 143 | Mongolia | 2.6 | | | |
| 72 | Guinea | 3.7 | | | | 144 | Haiti | 2.4 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.03 Effectiveness of anti-monopoly policy

To what extent does anti-monopoly policy promote competition in your country? [1 = does not promote competition; 7 = effectively promotes competition] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Netherlands | 5.7 | | | | 73 | Ghana | 4.0 | | | |
| 2 | New Zealand | 5.6 | | | | 74 | Sri Lanka | 4.0 | | | |
| 3 | Sweden | 5.5 | | | | 75 | Jamaica | 3.9 | | | |
| 4 | Finland | 5.5 | | | | 76 | Mali | 3.9 | | | |
| 5 | Singapore | 5.4 | | | | 77 | Malawi | 3.9 | | | |
| 6 | South Africa | 5.3 | | | | 78 | Colombia | 3.9 | | | |
| 7 | Puerto Rico | 5.3 | | | | 79 | Zimbabwe | 3.9 | | | |
| 8 | Qatar | 5.3 | | | | 80 | Thailand | 3.9 | | | |
| 9 | United Kingdom | 5.2 | | | | 81 | Seychelles | 3.9 | | | |
| 10 | Denmark | 5.2 | | | | 82 | Vietnam | 3.9 | | | |
| 11 | Norway | 5.1 | | | | 83 | Hungary | 3.8 | | | |
| 12 | Saudi Arabia | 5.1 | | | | 84 | Philippines | 3.8 | | | |
| 13 | Bahrain | 5.1 | | | | 85 | Tajikistan | 3.8 | | | |
| 14 | United Arab Emirates | 5.1 | | | | 86 | Bosnia and Herzegovina | 3.8 | | | |
| 15 | Japan | 5.0 | | | | 87 | Montenegro | 3.8 | | | |
| 16 | Switzerland | 5.0 | | | | 88 | Timor-Leste | 3.8 | | | |
| 17 | United States | 4.9 | | | | 89 | Guyana | 3.8 | | | |
| 18 | Australia | 4.9 | | | | 90 | Croatia | 3.8 | | | |
| 19 | Taiwan, China | 4.9 | | | | 91 | Greece | 3.8 | | | |
| 20 | France | 4.9 | | | | 92 | Benin | 3.8 | | | |
| 21 | Canada | 4.9 | | | | 93 | Côte d'Ivoire | 3.7 | | | |
| 22 | Ireland | 4.8 | | | | 94 | Honduras | 3.7 | | | |
| 23 | Panama | 4.8 | | | | 95 | Kazakhstan | 3.7 | | | |
| 24 | Germany | 4.8 | | | | 96 | Macedonia, FYR | 3.7 | | | |
| 25 | Chile | 4.8 | | | | 97 | Lithuania | 3.7 | | | |
| 26 | Malaysia | 4.8 | | | | 98 | El Salvador | 3.6 | | | |
| 27 | Luxembourg | 4.8 | | | | 99 | Albania | 3.6 | | | |
| 28 | Oman | 4.7 | | | | 100 | Italy | 3.6 | | | |
| 29 | Austria | 4.7 | | | | 101 | Cape Verde | 3.6 | | | |
| 30 | Belgium | 4.7 | | | | 102 | Nepal | 3.6 | | | |
| 31 | Turkey | 4.7 | | | | 103 | Trinidad and Tobago | 3.6 | | | |
| 32 | Brazil | 4.6 | | | | 104 | Sierra Leone | 3.5 | | | |
| 33 | Cameroon | 4.6 | | | | 105 | Lebanon | 3.5 | | | |
| 34 | India | 4.6 | | | | 106 | Kuwait | 3.5 | | | |
| 35 | Zambia | 4.6 | | | | 107 | Mauritania | 3.5 | | | |
| 36 | Malta | 4.6 | | | | 108 | Bulgaria | 3.5 | | | |
| 37 | Iceland | 4.5 | | | | 109 | Guinea | 3.5 | | | |
| 38 | Korea, Rep. | 4.5 | | | | 110 | Ecuador | 3.5 | | | |
| 39 | Estonia | 4.5 | | | | 111 | Bangladesh | 3.5 | | | |
| 40 | Mauritius | 4.5 | | | | 112 | Guatemala | 3.5 | | | |
| 41 | Indonesia | 4.5 | | | | 113 | Nicaragua | 3.5 | | | |
| 42 | Cyprus | 4.4 | | | | 114 | Azerbaijan | 3.5 | | | |
| 43 | Barbados | 4.4 | | | | 115 | Mexico | 3.5 | | | |
| 44 | Rwanda | 4.4 | | | | 116 | Armenia | 3.5 | | | |
| 45 | Nigeria | 4.4 | | | | 117 | Libya | 3.4 | | | |
| 46 | Uganda | 4.3 | | | | 118 | Suriname | 3.4 | | | |
| 47 | Kenya | 4.3 | | | | 119 | Uruguay | 3.4 | | | |
| 48 | Czech Republic | 4.3 | | | | 120 | Romania | 3.4 | | | |
| 49 | Spain | 4.3 | | | | 121 | Paraguay | 3.4 | | | |
| 50 | Gambia, The | 4.3 | | | | 122 | Bolivia | 3.4 | | | |
| 51 | Cambodia | 4.3 | | | | 123 | Dominican Republic | 3.4 | | | |
| 52 | Jordan | 4.3 | | | | 124 | Russian Federation | 3.4 | | | |
| 53 | Brunei Darussalam | 4.2 | | | | 125 | Lesotho | 3.3 | | | |
| 54 | China | 4.2 | | | | 126 | Swaziland | 3.3 | | | |
| 55 | Hong Kong SAR | 4.2 | | | | 127 | Madagascar | 3.3 | | | |
| 56 | Morocco | 4.2 | | | | 128 | Gabon | 3.2 | | | |
| 57 | Costa Rica | 4.2 | | | | 129 | Ethiopia | 3.2 | | | |
| 58 | Peru | 4.2 | | | | 130 | Moldova | 3.2 | | | |
| 59 | Senegal | 4.2 | | | | 131 | Mongolia | 3.2 | | | |
| 60 | Iran, Islamic Rep. | 4.1 | | | | 132 | Ukraine | 3.2 | | | |
| 61 | Poland | 4.1 | | | | 133 | Egypt | 3.2 | | | |
| 62 | Tanzania | 4.1 | | | | 134 | Mozambique | 3.1 | | | |
| 63 | Namibia | 4.1 | | | | 135 | Chad | 3.1 | | | |
| 64 | Slovenia | 4.1 | | | | 136 | Argentina | 3.0 | | | |
| 65 | Burkina Faso | 4.1 | | | | 137 | Burundi | 2.9 | | | |
| 66 | Slovak Republic | 4.1 | | | | 138 | Yemen | 2.9 | | | |
| 67 | Liberia | 4.1 | | | | 139 | Kyrgyz Republic | 2.9 | | | |
| 68 | Portugal | 4.1 | | | | 140 | Algeria | 2.9 | | | |
| 69 | Israel | 4.1 | | | | 141 | Georgia | 2.9 | | | |
| 70 | Latvia | 4.1 | | | | 142 | Serbia | 2.8 | | | |
| 71 | Pakistan | 4.0 | | | | 143 | Haiti | 2.6 | | | |
| 72 | Botswana | 4.0 | | | | 144 | Venezuela | 2.4 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.04 Extent and effect of taxation

What impact does the level of taxes in your country have on incentives to work or invest? [1 = significantly limits incentives to work or invest; 7 = has no impact on incentives to work or invest] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Bahrain | 6.3 | | | | 73 | Israel | 3.5 | | | |
| 2 | United Arab Emirates | 6.2 | | | | 74 | Germany | 3.5 | | | |
| 3 | Qatar | 5.7 | | | | 75 | Guyana | 3.5 | | | |
| 4 | Hong Kong SAR | 5.6 | | | | 76 | Bolivia | 3.4 | | | |
| 5 | Oman | 5.6 | | | | 77 | United Kingdom | 3.4 | | | |
| 6 | Kuwait | 5.5 | | | | 78 | Vietnam | 3.4 | | | |
| 7 | Singapore | 5.5 | | | | 79 | Peru | 3.4 | | | |
| 8 | Switzerland | 5.2 | | | | 80 | Bulgaria | 3.4 | | | |
| 9 | Mauritius | 5.1 | | | | 81 | Côte d'Ivoire | 3.4 | | | |
| 10 | Saudi Arabia | 5.1 | | | | 82 | Seychelles | 3.4 | | | |
| 11 | Paraguay | 4.8 | | | | 83 | Jordan | 3.4 | | | |
| 12 | Luxembourg | 4.8 | | | | 84 | Nicaragua | 3.4 | | | |
| 13 | Botswana | 4.7 | | | | 85 | Cape Verde | 3.3 | | | |
| 14 | Malaysia | 4.7 | | | | 86 | Suriname | 3.3 | | | |
| 15 | Brunei Darussalam | 4.7 | | | | 87 | Egypt | 3.3 | | | |
| 16 | Cyprus | 4.6 | | | | 88 | Moldova | 3.3 | | | |
| 17 | New Zealand | 4.6 | | | | 89 | Lesotho | 3.3 | | | |
| 18 | Estonia | 4.5 | | | | 90 | Kenya | 3.3 | | | |
| 19 | Timor-Leste | 4.5 | | | | 91 | Burkina Faso | 3.3 | | | |
| 20 | Rwanda | 4.4 | | | | 92 | Kyrgyz Republic | 3.3 | | | |
| 21 | Taiwan, China | 4.4 | | | | 93 | Cameroon | 3.3 | | | |
| 22 | Nigeria | 4.3 | | | | 94 | Tanzania | 3.3 | | | |
| 23 | Chile | 4.3 | | | | 95 | Madagascar | 3.3 | | | |
| 24 | Lebanon | 4.2 | | | | 96 | Poland | 3.3 | | | |
| 25 | Montenegro | 4.2 | | | | 97 | Zimbabwe | 3.3 | | | |
| 26 | Macedonia, FYR | 4.1 | | | | 98 | Austria | 3.2 | | | |
| 27 | Guinea | 4.1 | | | | 99 | Finland | 3.2 | | | |
| 28 | Canada | 4.1 | | | | 100 | Swaziland | 3.2 | | | |
| 29 | Netherlands | 4.1 | | | | 101 | Algeria | 3.2 | | | |
| 30 | Indonesia | 4.1 | | | | 102 | Uganda | 3.2 | | | |
| 31 | South Africa | 4.0 | | | | 103 | Australia | 3.2 | | | |
| 32 | Bangladesh | 4.0 | | | | 104 | Sweden | 3.1 | | | |
| 33 | Liberia | 4.0 | | | | 105 | Czech Republic | 3.1 | | | |
| 34 | Panama | 4.0 | | | | 106 | Mali | 3.1 | | | |
| 35 | Cambodia | 4.0 | | | | 107 | Latvia | 3.1 | | | |
| 36 | Mongolia | 4.0 | | | | 108 | Korea, Rep. | 3.1 | | | |
| 37 | Barbados | 3.9 | | | | 109 | Bosnia and Herzegovina | 3.1 | | | |
| 38 | Georgia | 3.9 | | | | 110 | Uruguay | 3.1 | | | |
| 39 | Kazakhstan | 3.9 | | | | 111 | Spain | 3.0 | | | |
| 40 | Trinidad and Tobago | 3.9 | | | | 112 | Venezuela | 3.0 | | | |
| 41 | China | 3.9 | | | | 113 | Japan | 3.0 | | | |
| 42 | Albania | 3.9 | | | | 114 | Ecuador | 3.0 | | | |
| 43 | Sri Lanka | 3.8 | | | | 115 | Jamaica | 3.0 | | | |
| 44 | India | 3.8 | | | | 116 | Colombia | 3.0 | | | |
| 45 | Armenia | 3.8 | | | | 117 | Turkey | 3.0 | | | |
| 46 | Ireland | 3.8 | | | | 118 | Haiti | 3.0 | | | |
| 47 | Libya | 3.8 | | | | 119 | Iceland | 3.0 | | | |
| 48 | Sierra Leone | 3.8 | | | | 120 | Malawi | 2.9 | | | |
| 49 | Azerbaijan | 3.7 | | | | 121 | Russian Federation | 2.9 | | | |
| 50 | Mauritania | 3.7 | | | | 122 | Serbia | 2.9 | | | |
| 51 | Namibia | 3.7 | | | | 123 | El Salvador | 2.8 | | | |
| 52 | Nepal | 3.7 | | | | 124 | Benin | 2.8 | | | |
| 53 | Malta | 3.7 | | | | 125 | Lithuania | 2.8 | | | |
| 54 | Tajikistan | 3.7 | | | | 126 | Yemen | 2.8 | | | |
| 55 | Thailand | 3.6 | | | | 127 | Honduras | 2.8 | | | |
| 56 | Guatemala | 3.6 | | | | 128 | France | 2.8 | | | |
| 57 | Philippines | 3.6 | | | | 129 | Senegal | 2.8 | | | |
| 58 | Puerto Rico | 3.6 | | | | 130 | Slovenia | 2.8 | | | |
| 59 | Norway | 3.6 | | | | 131 | Dominican Republic | 2.7 | | | |
| 60 | Mexico | 3.6 | | | | 132 | Chad | 2.6 | | | |
| 61 | Ghana | 3.6 | | | | 133 | Denmark | 2.6 | | | |
| 62 | Morocco | 3.6 | | | | 134 | Hungary | 2.5 | | | |
| 63 | Gabon | 3.6 | | | | 135 | Portugal | 2.4 | | | |
| 64 | Zambia | 3.5 | | | | 136 | Argentina | 2.3 | | | |
| 65 | Mozambique | 3.5 | | | | 137 | Croatia | 2.3 | | | |
| 66 | Slovak Republic | 3.5 | | | | 138 | Greece | 2.3 | | | |
| 67 | Gambia, The | 3.5 | | | | 139 | Ukraine | 2.3 | | | |
| 68 | Ethiopia | 3.5 | | | | 140 | Belgium | 2.3 | | | |
| 69 | United States | 3.5 | | | | 141 | Italy | 2.2 | | | |
| 70 | Costa Rica | 3.5 | | | | 142 | Romania | 2.2 | | | |
| 71 | Iran, Islamic Rep. | 3.5 | | | | 143 | Burundi | 2.2 | | | |
| 72 | Pakistan | 3.5 | | | | 144 | Brazil | 2.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.05 Total tax rate

This variable is a combination of profit tax (% of profits), labor tax and contribution (% of profits), and other taxes (% of profits) | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|--------------------|-------|
| 1 | Timor-Leste | 0.2 | 73 | Finland | 39.0 |
| 2 | Macedonia, FYR | 9.7 | 74 | Azerbaijan | 40.0 |
| 3 | Namibia | 9.8 | 75 | Vietnam | 40.1 |
| 4 | Qatar | 11.3 | 76 | Netherlands | 40.5 |
| 5 | United Arab Emirates | 14.1 | 77 | Peru | 40.7 |
| 6 | Saudi Arabia | 14.5 | 78 | Haiti | 40.8 |
| 6 | Zambia | 14.5 | 79 | Armenia | 40.9 |
| 8 | Bahrain | 15.0 | 79 | Guatemala | 40.9 |
| 9 | Kuwait | 15.5 | 81 | Turkey | 41.1 |
| 10 | Lesotho | 16.0 | 82 | Norway | 41.6 |
| 11 | Georgia | 16.5 | 83 | Dominican Republic | 41.7 |
| 12 | Brunei Darussalam | 16.8 | 84 | Uruguay | 42.0 |
| 13 | Botswana | 19.4 | 85 | Portugal | 43.3 |
| 14 | Luxembourg | 20.8 | 86 | Gabon | 43.5 |
| 15 | Oman | 22.0 | 87 | Burkina Faso | 43.6 |
| 16 | Montenegro | 22.3 | 87 | Egypt | 43.6 |
| 17 | Cambodia | 22.5 | 87 | Poland | 43.6 |
| 18 | Hong Kong SAR | 23.0 | 90 | Liberia | 43.7 |
| 19 | Cyprus | 23.1 | 91 | Lithuania | 43.9 |
| 20 | Mongolia | 24.6 | 92 | Honduras | 44.0 |
| 21 | Bosnia and Herzegovina | 25.0 | 93 | Iran, Islamic Rep. | 44.1 |
| 21 | Chile | 25.0 | 94 | Côte d'Ivoire | 44.3 |
| 21 | Mauritius | 25.0 | 95 | Romania | 44.4 |
| 24 | Ireland | 26.3 | 96 | Panama | 45.2 |
| 25 | Singapore | 27.1 | 97 | Tanzania | 45.5 |
| 26 | Denmark | 27.5 | 98 | Jamaica | 45.6 |
| 27 | Jordan | 27.7 | 99 | Senegal | 46.0 |
| 28 | Suriname | 27.9 | 100 | Burundi | 46.2 |
| 29 | Bulgaria | 28.1 | 101 | Greece | 46.4 |
| 30 | Malawi | 28.2 | 102 | Philippines | 46.5 |
| 31 | Kazakhstan | 28.6 | 103 | Germany | 46.7 |
| 32 | Canada | 28.8 | 103 | United States | 46.7 |
| 33 | Trinidad and Tobago | 29.1 | 105 | Russian Federation | 46.9 |
| 34 | Korea, Rep. | 29.7 | 106 | Australia | 47.7 |
| 35 | Switzerland | 30.1 | 107 | Slovak Republic | 48.8 |
| 36 | Lebanon | 30.2 | 108 | Cameroon | 49.1 |
| 37 | Ethiopia | 31.1 | 108 | Czech Republic | 49.1 |
| 38 | Israel | 31.2 | 108 | Japan | 49.1 |
| 39 | Moldova | 31.3 | 111 | Kenya | 49.6 |
| 39 | Rwanda | 31.3 | 111 | Morocco | 49.6 |
| 41 | Nepal | 31.5 | 113 | Mali | 51.8 |
| 42 | Iceland | 31.8 | 114 | Hungary | 52.4 |
| 43 | Sierra Leone | 32.1 | 115 | Mexico | 52.7 |
| 44 | Seychelles | 32.2 | 116 | Sweden | 52.8 |
| 45 | Croatia | 32.3 | 117 | Austria | 53.1 |
| 46 | Nigeria | 32.7 | 118 | Guinea | 54.3 |
| 47 | Yemen | 32.9 | 119 | Costa Rica | 55.0 |
| 48 | South Africa | 33.1 | 120 | Ukraine | 57.1 |
| 49 | Ghana | 33.6 | 121 | Belgium | 57.3 |
| 50 | Malaysia | 34.0 | 122 | Estonia | 58.6 |
| 50 | Serbia | 34.0 | 123 | India | 61.8 |
| 52 | Mozambique | 34.3 | 124 | Puerto Rico | 63.1 |
| 53 | New Zealand | 34.4 | 125 | China | 63.5 |
| 54 | Indonesia | 34.5 | 125 | Venezuela | 63.5 |
| 55 | Slovenia | 34.7 | 127 | Chad | 65.4 |
| 56 | Bangladesh | 35.0 | 128 | France | 65.7 |
| 56 | El Salvador | 35.0 | 129 | Benin | 66.0 |
| 56 | Paraguay | 35.0 | 130 | Nicaragua | 66.8 |
| 59 | Ecuador | 35.3 | 131 | Brazil | 67.1 |
| 59 | Pakistan | 35.3 | 132 | Mauritania | 68.3 |
| 61 | Taiwan, China | 35.6 | 133 | Italy | 68.5 |
| 61 | Zimbabwe | 35.6 | 134 | Kyrgyz Republic | 69.0 |
| 63 | Uganda | 35.7 | 135 | Algeria | 72.0 |
| 64 | Guyana | 36.1 | 136 | Colombia | 74.8 |
| 65 | Madagascar | 36.6 | 137 | Bolivia | 80.0 |
| 66 | Swaziland | 36.8 | 138 | Tajikistan | 84.5 |
| 67 | United Kingdom | 37.3 | 139 | Sri Lanka | 105.2 |
| 68 | Thailand | 37.5 | 140 | Argentina | 108.2 |
| 69 | Cape Verde | 37.8 | 141 | Gambia, The | 283.5 |
| 70 | Latvia | 37.9 | n/a | Barbados | n/a |
| 71 | Albania | 38.5 | n/a | Libya | n/a |
| 72 | Spain | 38.7 | n/a | Malta | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.06 Number of procedures required to start a business

Number of procedures required to start a business | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------|-------|------|------------------------|-------|
| 1 | Canada | 1 | 47 | Zambia | 6 |
| 1 | New Zealand | 1 | 74 | Bahrain | 7 |
| 3 | Australia | 2 | 74 | Bangladesh | 7 |
| 3 | Georgia | 2 | 74 | Chile | 7 |
| 3 | Kyrgyz Republic | 2 | 74 | Dominican Republic | 7 |
| 3 | Rwanda | 2 | 74 | Ghana | 7 |
| 3 | Slovenia | 2 | 74 | Jordan | 7 |
| 8 | Armenia | 3 | 74 | Lesotho | 7 |
| 8 | Belgium | 3 | 74 | Moldova | 7 |
| 8 | Burkina Faso | 3 | 74 | Mongolia | 7 |
| 8 | Finland | 3 | 74 | Nepal | 7 |
| 8 | Hong Kong SAR | 3 | 74 | Paraguay | 7 |
| 8 | Macedonia, FYR | 3 | 74 | Serbia | 7 |
| 8 | Madagascar | 3 | 74 | United Arab Emirates | 7 |
| 8 | Saudi Arabia | 3 | 87 | Austria | 8 |
| 8 | Senegal | 3 | 87 | Cape Verde | 8 |
| 8 | Singapore | 3 | 87 | El Salvador | 8 |
| 8 | Sweden | 3 | 87 | Gambia, The | 8 |
| 8 | Taiwan, China | 3 | 87 | Guyana | 8 |
| 20 | Bulgaria | 4 | 87 | Indonesia | 8 |
| 20 | Denmark | 4 | 87 | Japan | 8 |
| 20 | Hungary | 4 | 87 | Nicaragua | 8 |
| 20 | Ireland | 4 | 87 | Nigeria | 8 |
| 20 | Latvia | 4 | 87 | Qatar | 8 |
| 20 | Liberia | 4 | 97 | Burundi | 9 |
| 20 | Malaysia | 4 | 97 | Cambodia | 9 |
| 20 | Mali | 4 | 97 | Colombia | 9 |
| 20 | Sri Lanka | 4 | 97 | Czech Republic | 9 |
| 29 | Albania | 5 | 97 | Gabon | 9 |
| 29 | Cameroon | 5 | 97 | Germany | 9 |
| 29 | Estonia | 5 | 97 | Mauritania | 9 |
| 29 | Ethiopia | 5 | 97 | Mozambique | 9 |
| 29 | France | 5 | 97 | Russian Federation | 9 |
| 29 | Iceland | 5 | 97 | Trinidad and Tobago | 9 |
| 29 | Israel | 5 | 97 | Ukraine | 9 |
| 29 | Korea, Rep. | 5 | 97 | Vietnam | 9 |
| 29 | Lebanon | 5 | 97 | Zimbabwe | 9 |
| 29 | Mauritius | 5 | 110 | Botswana | 10 |
| 29 | Norway | 5 | 110 | Côte d'Ivoire | 10 |
| 29 | Oman | 5 | 110 | Greece | 10 |
| 29 | Peru | 5 | 110 | Malawi | 10 |
| 29 | Portugal | 5 | 110 | Namibia | 10 |
| 29 | South Africa | 5 | 110 | Pakistan | 10 |
| 29 | Tajikistan | 5 | 110 | Seychelles | 10 |
| 29 | Thailand | 5 | 110 | Spain | 10 |
| 29 | Uruguay | 5 | 110 | Timor-Leste | 10 |
| 47 | Azerbaijan | 6 | 119 | Chad | 11 |
| 47 | Benin | 6 | 119 | Kenya | 11 |
| 47 | Croatia | 6 | 121 | Bosnia and Herzegovina | 12 |
| 47 | Cyprus | 6 | 121 | Costa Rica | 12 |
| 47 | Egypt | 6 | 121 | Guatemala | 12 |
| 47 | Iran, Islamic Rep. | 6 | 121 | Guinea | 12 |
| 47 | Italy | 6 | 121 | Haiti | 12 |
| 47 | Jamaica | 6 | 121 | India | 12 |
| 47 | Kazakhstan | 6 | 121 | Kuwait | 12 |
| 47 | Lithuania | 6 | 121 | Swaziland | 12 |
| 47 | Luxembourg | 6 | 121 | Tanzania | 12 |
| 47 | Mexico | 6 | 130 | Brazil | 13 |
| 47 | Montenegro | 6 | 130 | Ecuador | 13 |
| 47 | Morocco | 6 | 130 | Honduras | 13 |
| 47 | Netherlands | 6 | 130 | Suriname | 13 |
| 47 | Panama | 6 | 134 | Algeria | 14 |
| 47 | Poland | 6 | 134 | Argentina | 14 |
| 47 | Puerto Rico | 6 | 134 | China | 14 |
| 47 | Romania | 6 | 137 | Bolivia | 15 |
| 47 | Sierra Leone | 6 | 137 | Brunei Darussalam | 15 |
| 47 | Slovak Republic | 6 | 137 | Philippines | 15 |
| 47 | Switzerland | 6 | 140 | Uganda | 16 |
| 47 | Turkey | 6 | 141 | Venezuela | 17 |
| 47 | United Kingdom | 6 | n/a | Barbados | n/a |
| 47 | United States | 6 | n/a | Libya | n/a |
| 47 | Yemen | 6 | n/a | Malta | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.07 Time required to start a business

Number of days required to start a business | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|------------------------|-------|
| 1 | New Zealand | 1 | 71 | Sweden | 15 |
| 2 | Australia | 2 | 74 | Latvia | 16 |
| 2 | Georgia | 2 | 75 | El Salvador | 17 |
| 4 | Hong Kong SAR | 3 | 76 | Bulgaria | 18 |
| 4 | Macedonia, FYR | 3 | 76 | Slovak Republic | 18 |
| 4 | Rwanda | 3 | 76 | Switzerland | 18 |
| 4 | Singapore | 3 | 76 | Zambia | 18 |
| 8 | Belgium | 4 | 80 | Bangladesh | 19 |
| 8 | Hungary | 4 | 80 | Dominican Republic | 19 |
| 10 | Albania | 5 | 80 | Kazakhstan | 19 |
| 10 | Canada | 5 | 80 | Luxembourg | 19 |
| 10 | Iceland | 5 | 80 | Mauritania | 19 |
| 10 | Portugal | 5 | 80 | South Africa | 19 |
| 10 | Saudi Arabia | 5 | 86 | Czech Republic | 20 |
| 10 | Senegal | 5 | 87 | Pakistan | 21 |
| 16 | Denmark | 6 | 88 | Lithuania | 22 |
| 16 | Italy | 6 | 89 | Japan | 23 |
| 16 | Liberia | 6 | 90 | Tajikistan | 24 |
| 16 | Malaysia | 6 | 90 | Ukraine | 24 |
| 16 | Mauritius | 6 | 92 | Algeria | 25 |
| 16 | Puerto Rico | 6 | 93 | Argentina | 26 |
| 16 | Slovenia | 6 | 93 | Guyana | 26 |
| 16 | Turkey | 6 | 93 | Peru | 26 |
| 16 | United States | 6 | 96 | Gambia, The | 27 |
| 25 | Chile | 7 | 97 | Austria | 28 |
| 25 | Croatia | 7 | 97 | Spain | 28 |
| 25 | Egypt | 7 | 99 | Benin | 29 |
| 25 | Estonia | 7 | 99 | India | 29 |
| 25 | France | 7 | 99 | Nepal | 29 |
| 25 | Jamaica | 7 | 99 | Tanzania | 29 |
| 25 | Korea, Rep. | 7 | 99 | Thailand | 29 |
| 25 | Norway | 7 | 104 | Russian Federation | 30 |
| 25 | Uruguay | 7 | 105 | Côte d'Ivoire | 32 |
| 34 | Armenia | 8 | 105 | Kuwait | 32 |
| 34 | Azerbaijan | 8 | 105 | Poland | 32 |
| 34 | Cyprus | 8 | 108 | Kenya | 33 |
| 34 | Iran, Islamic Rep. | 8 | 109 | Israel | 34 |
| 34 | Madagascar | 8 | 109 | Nigeria | 34 |
| 34 | Mali | 8 | 109 | Uganda | 34 |
| 34 | Netherlands | 8 | 112 | Paraguay | 35 |
| 34 | Oman | 8 | 112 | Philippines | 35 |
| 34 | Panama | 8 | 112 | Sri Lanka | 35 |
| 43 | Bahrain | 9 | 115 | Guatemala | 37 |
| 43 | Ethiopia | 9 | 116 | China | 38 |
| 43 | Lebanon | 9 | 117 | Malawi | 39 |
| 43 | Mexico | 9 | 117 | Nicaragua | 39 |
| 43 | Moldova | 9 | 117 | Seychelles | 39 |
| 48 | Greece | 10 | 120 | Bosnia and Herzegovina | 40 |
| 48 | Kyrgyz Republic | 10 | 120 | Guinea | 40 |
| 48 | Montenegro | 10 | 120 | Lesotho | 40 |
| 48 | Taiwan, China | 10 | 123 | Trinidad and Tobago | 43 |
| 52 | Cape Verde | 11 | 124 | Vietnam | 44 |
| 53 | Ghana | 12 | 125 | Indonesia | 45 |
| 53 | Jordan | 12 | 126 | Bolivia | 50 |
| 53 | Morocco | 12 | 127 | Ecuador | 56 |
| 53 | Qatar | 12 | 127 | Swaziland | 56 |
| 53 | Sierra Leone | 12 | 129 | Gabon | 58 |
| 53 | Yemen | 12 | 130 | Costa Rica | 60 |
| 59 | Burkina Faso | 13 | 131 | Botswana | 61 |
| 59 | Ireland | 13 | 132 | Chad | 66 |
| 59 | Mongolia | 13 | 132 | Namibia | 66 |
| 59 | Mozambique | 13 | 134 | Cambodia | 85 |
| 59 | Serbia | 13 | 135 | Zimbabwe | 90 |
| 59 | United Arab Emirates | 13 | 136 | Brunei Darussalam | 101 |
| 59 | United Kingdom | 13 | 137 | Timor-Leste | 103 |
| 66 | Burundi | 14 | 138 | Haiti | 105 |
| 66 | Colombia | 14 | 139 | Brazil | 119 |
| 66 | Finland | 14 | 140 | Venezuela | 141 |
| 66 | Honduras | 14 | 141 | Suriname | 694 |
| 66 | Romania | 14 | n/a | Barbados | n/a |
| 71 | Cameroon | 15 | n/a | Libya | n/a |
| 71 | Germany | 15 | n/a | Malta | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.08 Agricultural policy costs

How would you assess the agricultural policy in your country? [1 = excessively burdensome for the economy; 7 = balances the interests of taxpayers, consumers, and producers] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | New Zealand | 6.0 | | | | 73 | Denmark | 3.9 | | | |
| 2 | Rwanda | 5.5 | | | | 74 | Germany | 3.9 | | | |
| 3 | Singapore | 5.2 | | | | 75 | Cyprus | 3.8 | | | |
| 4 | Malaysia | 5.1 | | | | 76 | Philippines | 3.8 | | | |
| 5 | Uruguay | 5.1 | | | | 77 | Panama | 3.8 | | | |
| 6 | United Arab Emirates | 4.9 | | | | 78 | Latvia | 3.8 | | | |
| 7 | Oman | 4.9 | | | | 79 | Czech Republic | 3.8 | | | |
| 8 | Luxembourg | 4.8 | | | | 80 | Morocco | 3.8 | | | |
| 9 | Saudi Arabia | 4.8 | | | | 81 | Côte d'Ivoire | 3.8 | | | |
| 10 | Gambia, The | 4.8 | | | | 82 | Tanzania | 3.8 | | | |
| 11 | Netherlands | 4.8 | | | | 83 | Senegal | 3.8 | | | |
| 12 | Ireland | 4.8 | | | | 84 | Hungary | 3.8 | | | |
| 13 | China | 4.7 | | | | 85 | Jordan | 3.8 | | | |
| 14 | Chile | 4.7 | | | | 86 | Ecuador | 3.7 | | | |
| 15 | Hong Kong SAR | 4.7 | | | | 87 | India | 3.7 | | | |
| 16 | Bangladesh | 4.6 | | | | 88 | Italy | 3.7 | | | |
| 17 | Brazil | 4.6 | | | | 89 | Chad | 3.7 | | | |
| 18 | Sweden | 4.6 | | | | 90 | Puerto Rico | 3.7 | | | |
| 19 | Australia | 4.6 | | | | 91 | Timor-Leste | 3.7 | | | |
| 20 | Botswana | 4.6 | | | | 92 | Albania | 3.6 | | | |
| 21 | Montenegro | 4.6 | | | | 93 | Dominican Republic | 3.6 | | | |
| 22 | Estonia | 4.5 | | | | 94 | Nepal | 3.6 | | | |
| 23 | Mauritius | 4.5 | | | | 95 | Slovenia | 3.6 | | | |
| 24 | Brunei Darussalam | 4.5 | | | | 96 | Burkina Faso | 3.6 | | | |
| 25 | Zambia | 4.4 | | | | 97 | Korea, Rep. | 3.6 | | | |
| 26 | Malta | 4.4 | | | | 98 | Poland | 3.6 | | | |
| 27 | Cambodia | 4.4 | | | | 99 | Bolivia | 3.6 | | | |
| 28 | Bahrain | 4.4 | | | | 100 | Bosnia and Herzegovina | 3.6 | | | |
| 29 | Qatar | 4.4 | | | | 101 | Honduras | 3.6 | | | |
| 30 | Barbados | 4.4 | | | | 102 | Iran, Islamic Rep. | 3.5 | | | |
| 31 | Vietnam | 4.4 | | | | 103 | Kuwait | 3.5 | | | |
| 32 | Israel | 4.3 | | | | 104 | Trinidad and Tobago | 3.5 | | | |
| 33 | Sri Lanka | 4.3 | | | | 105 | Norway | 3.5 | | | |
| 34 | Jamaica | 4.3 | | | | 106 | Switzerland | 3.5 | | | |
| 35 | United Kingdom | 4.3 | | | | 107 | El Salvador | 3.5 | | | |
| 36 | Paraguay | 4.3 | | | | 108 | Colombia | 3.5 | | | |
| 37 | Namibia | 4.3 | | | | 109 | Malawi | 3.5 | | | |
| 38 | Taiwan, China | 4.2 | | | | 110 | Spain | 3.5 | | | |
| 39 | Guatemala | 4.2 | | | | 111 | Pakistan | 3.5 | | | |
| 40 | Indonesia | 4.2 | | | | 112 | Mauritania | 3.4 | | | |
| 41 | Canada | 4.2 | | | | 113 | Lebanon | 3.4 | | | |
| 42 | Belgium | 4.2 | | | | 114 | Nigeria | 3.4 | | | |
| 43 | Macedonia, FYR | 4.2 | | | | 115 | Iceland | 3.3 | | | |
| 44 | Armenia | 4.2 | | | | 116 | Thailand | 3.3 | | | |
| 45 | Guyana | 4.2 | | | | 117 | Burundi | 3.3 | | | |
| 46 | Cameroon | 4.2 | | | | 118 | Suriname | 3.3 | | | |
| 47 | South Africa | 4.2 | | | | 119 | Serbia | 3.3 | | | |
| 48 | Kazakhstan | 4.2 | | | | 120 | Slovak Republic | 3.3 | | | |
| 49 | Ghana | 4.2 | | | | 121 | Portugal | 3.3 | | | |
| 50 | Liberia | 4.1 | | | | 122 | Romania | 3.3 | | | |
| 51 | Cape Verde | 4.1 | | | | 123 | Mexico | 3.3 | | | |
| 52 | Tajikistan | 4.1 | | | | 124 | Algeria | 3.2 | | | |
| 53 | Turkey | 4.1 | | | | 125 | Madagascar | 3.2 | | | |
| 54 | Austria | 4.1 | | | | 126 | Egypt | 3.2 | | | |
| 55 | Mongolia | 4.1 | | | | 127 | Libya | 3.1 | | | |
| 56 | Finland | 4.1 | | | | 128 | Georgia | 3.1 | | | |
| 57 | Sierra Leone | 4.0 | | | | 129 | Kyrgyz Republic | 3.1 | | | |
| 58 | Uganda | 4.0 | | | | 130 | Bulgaria | 3.1 | | | |
| 59 | Ethiopia | 4.0 | | | | 131 | Zimbabwe | 3.1 | | | |
| 60 | France | 4.0 | | | | 132 | Argentina | 3.0 | | | |
| 61 | Gabon | 4.0 | | | | 133 | Russian Federation | 3.0 | | | |
| 62 | Kenya | 4.0 | | | | 134 | Moldova | 3.0 | | | |
| 63 | Seychelles | 3.9 | | | | 135 | Mozambique | 3.0 | | | |
| 64 | Mali | 3.9 | | | | 136 | Ukraine | 3.0 | | | |
| 65 | United States | 3.9 | | | | 137 | Benin | 3.0 | | | |
| 66 | Costa Rica | 3.9 | | | | 138 | Lesotho | 2.9 | | | |
| 67 | Azerbaijan | 3.9 | | | | 139 | Yemen | 2.8 | | | |
| 68 | Nicaragua | 3.9 | | | | 140 | Greece | 2.7 | | | |
| 69 | Lithuania | 3.9 | | | | 141 | Haiti | 2.6 | | | |
| 70 | Swaziland | 3.9 | | | | 142 | Japan | 2.6 | | | |
| 71 | Guinea | 3.9 | | | | 143 | Croatia | 2.5 | | | |
| 72 | Peru | 3.9 | | | | 144 | Venezuela | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.09 Prevalence of trade barriers

In your country, to what extent do tariff and non-tariff barriers limit the ability of imported goods to compete in the domestic market? [1 = strongly limit; 7 = do not limit] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | New Zealand | 6.3 | | | | 73 | Macedonia, FYR | 4.3 | | | |
| 2 | Qatar | 5.9 | | | | 74 | Mongolia | 4.3 | | | |
| 3 | Singapore | 5.9 | | | | 75 | Indonesia | 4.3 | | | |
| 4 | Hong Kong SAR | 5.9 | | | | 76 | Philippines | 4.3 | | | |
| 5 | Finland | 5.8 | | | | 77 | Namibia | 4.2 | | | |
| 6 | Australia | 5.7 | | | | 78 | India | 4.2 | | | |
| 7 | Luxembourg | 5.6 | | | | 79 | China | 4.2 | | | |
| 8 | United Arab Emirates | 5.5 | | | | 80 | Poland | 4.2 | | | |
| 9 | Portugal | 5.5 | | | | 81 | Bangladesh | 4.2 | | | |
| 10 | Chile | 5.4 | | | | 82 | Croatia | 4.2 | | | |
| 11 | Netherlands | 5.4 | | | | 83 | Ghana | 4.2 | | | |
| 12 | Belgium | 5.4 | | | | 84 | Guyana | 4.2 | | | |
| 13 | United Kingdom | 5.4 | | | | 85 | Bosnia and Herzegovina | 4.2 | | | |
| 14 | Estonia | 5.4 | | | | 86 | Norway | 4.2 | | | |
| 15 | Bahrain | 5.4 | | | | 87 | Malawi | 4.1 | | | |
| 16 | Ireland | 5.4 | | | | 88 | Cambodia | 4.1 | | | |
| 17 | Sweden | 5.3 | | | | 89 | Costa Rica | 4.1 | | | |
| 18 | Malta | 5.2 | | | | 90 | Burkina Faso | 4.1 | | | |
| 19 | Saudi Arabia | 5.2 | | | | 91 | Switzerland | 4.1 | | | |
| 20 | Denmark | 5.0 | | | | 92 | Korea, Rep. | 4.0 | | | |
| 21 | Georgia | 5.0 | | | | 93 | Uganda | 4.0 | | | |
| 22 | Oman | 5.0 | | | | 94 | Honduras | 4.0 | | | |
| 23 | Spain | 4.9 | | | | 95 | Yemen | 4.0 | | | |
| 24 | Slovak Republic | 4.9 | | | | 96 | Lebanon | 4.0 | | | |
| 25 | Puerto Rico | 4.9 | | | | 97 | Swaziland | 4.0 | | | |
| 26 | Austria | 4.9 | | | | 98 | Turkey | 4.0 | | | |
| 27 | Mauritius | 4.9 | | | | 99 | Armenia | 4.0 | | | |
| 28 | Malaysia | 4.9 | | | | 100 | Tajikistan | 4.0 | | | |
| 29 | Cyprus | 4.9 | | | | 101 | Sri Lanka | 3.9 | | | |
| 30 | Slovenia | 4.8 | | | | 102 | Iceland | 3.9 | | | |
| 31 | Czech Republic | 4.8 | | | | 103 | Brazil | 3.9 | | | |
| 32 | Hungary | 4.8 | | | | 104 | El Salvador | 3.9 | | | |
| 33 | Greece | 4.8 | | | | 105 | Kenya | 3.9 | | | |
| 34 | Suriname | 4.8 | | | | 106 | Kyrgyz Republic | 3.9 | | | |
| 35 | France | 4.7 | | | | 107 | Azerbaijan | 3.9 | | | |
| 36 | Latvia | 4.7 | | | | 108 | Nigeria | 3.9 | | | |
| 37 | Lithuania | 4.7 | | | | 109 | Timor-Leste | 3.9 | | | |
| 38 | Germany | 4.7 | | | | 110 | Bulgaria | 3.9 | | | |
| 39 | South Africa | 4.7 | | | | 111 | Romania | 3.9 | | | |
| 40 | Israel | 4.6 | | | | 112 | Senegal | 3.8 | | | |
| 41 | Peru | 4.6 | | | | 113 | Serbia | 3.8 | | | |
| 42 | Botswana | 4.6 | | | | 114 | Pakistan | 3.8 | | | |
| 43 | Mauritania | 4.6 | | | | 115 | Japan | 3.8 | | | |
| 44 | Gambia, The | 4.6 | | | | 116 | Libya | 3.8 | | | |
| 45 | Zimbabwe | 4.6 | | | | 117 | Mali | 3.8 | | | |
| 46 | Kuwait | 4.6 | | | | 118 | Mozambique | 3.7 | | | |
| 47 | Italy | 4.6 | | | | 119 | Dominican Republic | 3.7 | | | |
| 48 | Uruguay | 4.6 | | | | 120 | Nepal | 3.7 | | | |
| 49 | Liberia | 4.6 | | | | 121 | Cape Verde | 3.7 | | | |
| 50 | United States | 4.6 | | | | 122 | Tanzania | 3.7 | | | |
| 51 | Mexico | 4.6 | | | | 123 | Colombia | 3.7 | | | |
| 52 | Jamaica | 4.6 | | | | 124 | Egypt | 3.7 | | | |
| 53 | Brunei Darussalam | 4.5 | | | | 125 | Iran, Islamic Rep. | 3.7 | | | |
| 54 | Cameroon | 4.5 | | | | 126 | Guinea | 3.6 | | | |
| 55 | Taiwan, China | 4.5 | | | | 127 | Nicaragua | 3.6 | | | |
| 56 | Canada | 4.5 | | | | 128 | Vietnam | 3.6 | | | |
| 57 | Morocco | 4.5 | | | | 129 | Lesotho | 3.6 | | | |
| 58 | Paraguay | 4.5 | | | | 130 | Haiti | 3.5 | | | |
| 59 | Seychelles | 4.5 | | | | 131 | Côte d'Ivoire | 3.5 | | | |
| 60 | Rwanda | 4.5 | | | | 132 | Russian Federation | 3.5 | | | |
| 61 | Barbados | 4.5 | | | | 133 | Madagascar | 3.5 | | | |
| 62 | Jordan | 4.5 | | | | 134 | Bolivia | 3.4 | | | |
| 63 | Albania | 4.5 | | | | 135 | Chad | 3.4 | | | |
| 64 | Kazakhstan | 4.4 | | | | 136 | Ukraine | 3.3 | | | |
| 65 | Moldova | 4.4 | | | | 137 | Burundi | 3.3 | | | |
| 66 | Panama | 4.4 | | | | 138 | Benin | 3.3 | | | |
| 67 | Zambia | 4.4 | | | | 139 | Gabon | 3.3 | | | |
| 68 | Montenegro | 4.4 | | | | 140 | Ecuador | 3.2 | | | |
| 69 | Guatemala | 4.3 | | | | 141 | Algeria | 3.0 | | | |
| 70 | Sierra Leone | 4.3 | | | | 142 | Venezuela | 3.0 | | | |
| 71 | Thailand | 4.3 | | | | 143 | Ethiopia | 2.9 | | | |
| 72 | Trinidad and Tobago | 4.3 | | | | 144 | Argentina | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.10 Trade tariffs

Trade-weighted average tariff rate | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------------|-------|------|----------------------------------|-------|
| 1 | Hong Kong SAR | 0.0 | 73 | Taiwan, China | 5.4 |
| 2 | Singapore ⁵ | 0.0 | 74 | Haiti | 5.4 |
| 3 | Guinea ⁵ | 0.1 | 75 | Yemen ⁴ | 5.7 |
| 4 | Gabon ⁴ | 0.1 | 76 | Malaysia ² | 6.0 |
| 5 | Seychelles ² | 0.2 | 77 | Lebanon ² | 6.3 |
| 6 | Austria | 0.9 | 78 | Thailand ¹ | 6.4 |
| 6 | Belgium | 0.9 | 79 | South Africa | 6.5 |
| 6 | Bulgaria | 0.9 | 80 | Lesotho | 6.7 |
| 6 | Cyprus | 0.9 | 81 | Botswana | 6.7 |
| 6 | Czech Republic | 0.9 | 82 | Namibia | 6.7 |
| 6 | Denmark | 0.9 | 83 | Swaziland | 6.7 |
| 6 | Estonia | 0.9 | 84 | Panama ³ | 6.8 |
| 6 | Finland | 0.9 | 85 | Paraguay | 7.1 |
| 6 | France | 0.9 | 86 | Azerbaijan ⁴ | 7.1 |
| 6 | Germany | 0.9 | 87 | Ecuador | 7.2 |
| 6 | Greece | 0.9 | 88 | Dominican Republic ³ | 7.3 |
| 6 | Hungary | 0.9 | 89 | Mozambique ⁵ | 7.5 |
| 6 | Ireland | 0.9 | 90 | Vietnam ⁵ | 7.7 |
| 6 | Italy | 0.9 | 91 | Madagascar | 7.9 |
| 6 | Latvia | 0.9 | 92 | Jamaica | 8.1 |
| 6 | Lithuania | 0.9 | 93 | Uruguay | 8.2 |
| 6 | Luxembourg | 0.9 | 94 | Mexico ⁴ | 8.3 |
| 6 | Malta | 0.9 | 95 | Colombia | 8.3 |
| 6 | Netherlands | 0.9 | 96 | Korea, Rep. ² | 8.5 |
| 6 | Poland | 0.9 | 97 | Bolivia | 8.6 |
| 6 | Portugal | 0.9 | 98 | Rwanda | 8.8 |
| 6 | Romania | 0.9 | 99 | Burundi | 8.9 |
| 6 | Slovak Republic | 0.9 | 100 | Kenya | 9.0 |
| 6 | Slovenia | 0.9 | 101 | Uganda | 9.0 |
| 6 | Spain | 0.9 | 102 | Kazakhstan ⁵ | 9.6 |
| 6 | Sweden | 0.9 | 103 | Tanzania | 9.6 |
| 6 | United Kingdom | 0.9 | 104 | Jordan ² | 10.1 |
| 33 | Georgia | 1.0 | 105 | Malawi ⁵ | 10.2 |
| 34 | Mauritius | 1.1 | 106 | Russian Federation ⁵ | 10.3 |
| 35 | United States | 1.4 | 107 | Trinidad and Tobago ³ | 10.5 |
| 36 | Peru | 2.0 | 108 | Ghana ⁴ | 10.6 |
| 37 | New Zealand ⁴ | 2.2 | 109 | Guyana | 10.8 |
| 38 | Armenia ³ | 2.2 | 110 | Kyrgyz Republic | 10.8 |
| 39 | Japan ⁴ | 2.3 | 111 | Suriname ² | 10.9 |
| 40 | Timor-Leste | 2.5 | 112 | Argentina | 10.9 |
| 41 | Moldova ⁵ | 2.5 | 113 | Zambia | 11.1 |
| 42 | Canada ⁵ | 2.7 | 114 | Cape Verde | 11.1 |
| 43 | Ukraine | 2.9 | 115 | Nigeria ⁴ | 11.3 |
| 44 | Australia ⁴ | 2.9 | 116 | Benin | 11.4 |
| 45 | Croatia | 3.0 | 117 | Mali | 11.4 |
| 46 | Albania | 3.1 | 118 | Burkina Faso | 11.4 |
| 47 | Switzerland ⁵ | 3.5 | 119 | Senegal | 11.4 |
| 48 | Costa Rica ⁴ | 3.6 | 120 | Côte d'Ivoire | 11.4 |
| 49 | Nicaragua ⁵ | 3.9 | 121 | Mauritania ² | 11.5 |
| 50 | Norway | 4.0 | 122 | China | 11.5 |
| 51 | Iceland | 4.1 | 123 | Brazil | 11.6 |
| 52 | Israel ³ | 4.1 | 124 | Sri Lanka | 11.7 |
| 53 | Philippines ² | 4.2 | 125 | Venezuela | 12.5 |
| 54 | Guatemala | 4.3 | 126 | India ⁴ | 12.6 |
| 55 | El Salvador ⁴ | 4.4 | 127 | Cambodia ³ | 12.8 |
| 56 | Bahrain | 4.4 | 128 | Ethiopia | 12.8 |
| 57 | Montenegro | 4.4 | 129 | Bangladesh ² | 13.1 |
| 58 | Honduras ³ | 4.4 | 130 | Cameroon | 13.3 |
| 59 | Mongolia ³ | 4.6 | 131 | Chad | 13.6 |
| 60 | Saudi Arabia ⁴ | 4.6 | 132 | Algeria ⁴ | 14.0 |
| 61 | Indonesia | 4.6 | 133 | Egypt ⁴ | 15.2 |
| 62 | Kuwait ⁴ | 4.6 | 134 | Nepal | 16.4 |
| 63 | Chile ³ | 4.7 | 135 | Pakistan ³ | 16.5 |
| 64 | United Arab Emirates ⁴ | 4.7 | 136 | Morocco ⁴ | 16.5 |
| 65 | Oman ⁴ | 4.7 | 137 | Gambia, The ⁴ | 17.9 |
| 66 | Qatar ⁴ | 4.7 | 138 | Zimbabwe ² | 20.5 |
| 67 | Tajikistan ⁵ | 5.0 | 139 | Iran, Islamic Rep. | 25.6 |
| 68 | Bosnia and Herzegovina | 5.1 | 140 | Barbados ² | 28.9 |
| 69 | Turkey ⁵ | 5.1 | n/a | Liberia | n/a |
| 70 | Macedonia, FYR | 5.2 | n/a | Libya | n/a |
| 71 | Brunei Darussalam ² | 5.2 | n/a | Puerto Rico | n/a |
| 72 | Serbia | 5.3 | n/a | Sierra Leone | n/a |

SOURCE: International Trade Centre

¹ 2006 ² 2007 ³ 2008 ⁴ 2009 ⁵ 2010

6.11 Prevalence of foreign ownership

How prevalent is foreign ownership of companies in your country? [1 = very rare; 7 = highly prevalent] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Luxembourg | 6.5 | | | | 73 | Trinidad and Tobago | 4.6 | | | |
| 2 | Slovak Republic | 6.1 | | | | 74 | Indonesia | 4.6 | | | |
| 3 | Singapore | 6.1 | | | | 75 | Brunei Darussalam | 4.6 | | | |
| 4 | United Kingdom | 6.1 | | | | 76 | Saudi Arabia | 4.6 | | | |
| 5 | Hong Kong SAR | 6.0 | | | | 77 | Rwanda | 4.6 | | | |
| 6 | New Zealand | 6.0 | | | | 78 | Montenegro | 4.6 | | | |
| 7 | Ireland | 5.8 | | | | 79 | Cape Verde | 4.6 | | | |
| 8 | Australia | 5.8 | | | | 80 | Jordan | 4.6 | | | |
| 9 | Panama | 5.8 | | | | 81 | Mauritius | 4.6 | | | |
| 10 | Canada | 5.7 | | | | 82 | Brazil | 4.5 | | | |
| 11 | Belgium | 5.7 | | | | 83 | Paraguay | 4.5 | | | |
| 12 | Uruguay | 5.7 | | | | 84 | India | 4.5 | | | |
| 13 | Bahrain | 5.7 | | | | 85 | Portugal | 4.4 | | | |
| 14 | Chile | 5.7 | | | | 86 | Bosnia and Herzegovina | 4.4 | | | |
| 15 | Switzerland | 5.6 | | | | 87 | Liberia | 4.4 | | | |
| 16 | Hungary | 5.6 | | | | 88 | Colombia | 4.4 | | | |
| 17 | Czech Republic | 5.6 | | | | 89 | Lithuania | 4.4 | | | |
| 18 | France | 5.6 | | | | 90 | Japan | 4.4 | | | |
| 19 | Barbados | 5.5 | | | | 91 | Korea, Rep. | 4.4 | | | |
| 20 | Costa Rica | 5.5 | | | | 92 | Greece | 4.4 | | | |
| 21 | Netherlands | 5.5 | | | | 93 | Kenya | 4.4 | | | |
| 22 | Côte d'Ivoire | 5.5 | | | | 94 | Cambodia | 4.4 | | | |
| 23 | Sweden | 5.5 | | | | 95 | Zimbabwe | 4.3 | | | |
| 24 | Mexico | 5.5 | | | | 96 | Tanzania | 4.3 | | | |
| 25 | Zambia | 5.5 | | | | 97 | Armenia | 4.3 | | | |
| 26 | Estonia | 5.4 | | | | 98 | Azerbaijan | 4.3 | | | |
| 27 | Finland | 5.4 | | | | 99 | China | 4.3 | | | |
| 28 | Taiwan, China | 5.4 | | | | 100 | Nicaragua | 4.3 | | | |
| 29 | Cameroon | 5.4 | | | | 101 | Turkey | 4.2 | | | |
| 30 | Norway | 5.3 | | | | 102 | Kazakhstan | 4.1 | | | |
| 31 | South Africa | 5.3 | | | | 103 | Albania | 4.1 | | | |
| 32 | Uganda | 5.3 | | | | 104 | Suriname | 4.1 | | | |
| 33 | United Arab Emirates | 5.3 | | | | 105 | Burkina Faso | 4.1 | | | |
| 34 | Peru | 5.3 | | | | 106 | Romania | 4.1 | | | |
| 35 | Botswana | 5.3 | | | | 107 | Bulgaria | 4.1 | | | |
| 36 | Swaziland | 5.3 | | | | 108 | Timor-Leste | 4.1 | | | |
| 37 | Israel | 5.3 | | | | 109 | Guinea | 4.1 | | | |
| 38 | Gambia, The | 5.3 | | | | 110 | Guyana | 4.1 | | | |
| 39 | Gabon | 5.3 | | | | 111 | Croatia | 4.0 | | | |
| 40 | Denmark | 5.2 | | | | 112 | Egypt | 4.0 | | | |
| 41 | Senegal | 5.2 | | | | 113 | Vietnam | 4.0 | | | |
| 42 | Ghana | 5.2 | | | | 114 | Madagascar | 4.0 | | | |
| 43 | Puerto Rico | 5.2 | | | | 115 | Mali | 4.0 | | | |
| 44 | Germany | 5.1 | | | | 116 | Ecuador | 4.0 | | | |
| 45 | Mongolia | 5.1 | | | | 117 | Bangladesh | 4.0 | | | |
| 46 | Spain | 5.1 | | | | 118 | Italy | 4.0 | | | |
| 47 | Austria | 5.1 | | | | 119 | Pakistan | 3.9 | | | |
| 48 | Sri Lanka | 5.1 | | | | 120 | Moldova | 3.9 | | | |
| 49 | Morocco | 5.1 | | | | 121 | Georgia | 3.9 | | | |
| 50 | Namibia | 5.1 | | | | 122 | Lebanon | 3.9 | | | |
| 51 | United States | 5.0 | | | | 123 | Macedonia, FYR | 3.8 | | | |
| 52 | Sierra Leone | 5.0 | | | | 124 | Serbia | 3.8 | | | |
| 53 | Malaysia | 5.0 | | | | 125 | Tajikistan | 3.6 | | | |
| 54 | Dominican Republic | 5.0 | | | | 126 | Ukraine | 3.6 | | | |
| 55 | Mozambique | 5.0 | | | | 127 | Kyrgyz Republic | 3.6 | | | |
| 56 | Jamaica | 5.0 | | | | 128 | Benin | 3.5 | | | |
| 57 | Seychelles | 5.0 | | | | 129 | Venezuela | 3.5 | | | |
| 58 | Argentina | 4.9 | | | | 130 | Bolivia | 3.5 | | | |
| 59 | Lesotho | 4.9 | | | | 131 | Chad | 3.4 | | | |
| 60 | Latvia | 4.9 | | | | 132 | Slovenia | 3.4 | | | |
| 61 | Guatemala | 4.9 | | | | 133 | Russian Federation | 3.4 | | | |
| 62 | Honduras | 4.9 | | | | 134 | Mauritania | 3.3 | | | |
| 63 | El Salvador | 4.9 | | | | 135 | Algeria | 3.3 | | | |
| 64 | Qatar | 4.9 | | | | 136 | Ethiopia | 3.3 | | | |
| 65 | Thailand | 4.8 | | | | 137 | Kuwait | 3.1 | | | |
| 66 | Philippines | 4.8 | | | | 138 | Iceland | 3.1 | | | |
| 67 | Nigeria | 4.7 | | | | 139 | Haiti | 3.0 | | | |
| 68 | Cyprus | 4.7 | | | | 140 | Nepal | 3.0 | | | |
| 69 | Oman | 4.7 | | | | 141 | Burundi | 2.8 | | | |
| 70 | Malta | 4.7 | | | | 142 | Libya | 2.8 | | | |
| 71 | Poland | 4.7 | | | | 143 | Yemen | 2.4 | | | |
| 72 | Malawi | 4.6 | | | | 144 | Iran, Islamic Rep. | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.12 Business impact of rules on FDI

To what extent do rules governing foreign direct investment (FDI) encourage or discourage it? [1 = strongly discourage FDI; 7 = strongly encourage FDI] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|---------------------------|-------|---|----------|---|------|-----------------------------|-------|---|----------|---|
| 1 | Ireland..... | 6.6 | | | | 73 | Mozambique..... | 4.6 | | | |
| 2 | Singapore..... | 6.3 | | | | 74 | Ghana..... | 4.6 | | | |
| 3 | Bahrain..... | 6.0 | | | | 75 | Portugal..... | 4.6 | | | |
| 4 | Hong Kong SAR..... | 6.0 | | | | 76 | Brazil..... | 4.6 | | | |
| 5 | Panama..... | 5.8 | | | | 77 | Hungary..... | 4.6 | | | |
| 6 | Luxembourg..... | 5.7 | | | | 78 | Indonesia..... | 4.6 | | | |
| 7 | Uruguay..... | 5.7 | | | | 79 | Norway..... | 4.5 | | | |
| 8 | Slovak Republic..... | 5.5 | | | | 80 | Sierra Leone..... | 4.5 | | | |
| 9 | Mauritius..... | 5.5 | | | | 81 | Guyana..... | 4.5 | | | |
| 10 | Malaysia..... | 5.5 | | | | 82 | Colombia..... | 4.5 | | | |
| 11 | Taiwan, China..... | 5.5 | | | | 83 | Cape Verde..... | 4.5 | | | |
| 12 | Chile..... | 5.5 | | | | 84 | Namibia..... | 4.5 | | | |
| 13 | United Kingdom..... | 5.4 | | | | 85 | Armenia..... | 4.5 | | | |
| 14 | United Arab Emirates..... | 5.4 | | | | 86 | Nigeria..... | 4.4 | | | |
| 15 | Estonia..... | 5.4 | | | | 87 | Azerbaijan..... | 4.4 | | | |
| 16 | Malta..... | 5.4 | | | | 88 | Mongolia..... | 4.4 | | | |
| 17 | Israel..... | 5.4 | | | | 89 | Spain..... | 4.4 | | | |
| 18 | Rwanda..... | 5.3 | | | | 90 | Kenya..... | 4.4 | | | |
| 19 | Netherlands..... | 5.3 | | | | 91 | Honduras..... | 4.4 | | | |
| 20 | Thailand..... | 5.3 | | | | 92 | Lebanon..... | 4.4 | | | |
| 21 | Peru..... | 5.3 | | | | 93 | Lesotho..... | 4.4 | | | |
| 22 | Barbados..... | 5.2 | | | | 94 | Vietnam..... | 4.4 | | | |
| 23 | Belgium..... | 5.2 | | | | 95 | Pakistan..... | 4.4 | | | |
| 24 | Costa Rica..... | 5.2 | | | | 96 | Paraguay..... | 4.4 | | | |
| 25 | Switzerland..... | 5.2 | | | | 97 | Latvia..... | 4.3 | | | |
| 26 | Bangladesh..... | 5.2 | | | | 98 | Swaziland..... | 4.3 | | | |
| 27 | Saudi Arabia..... | 5.2 | | | | 99 | Macedonia, FYR..... | 4.3 | | | |
| 28 | Gambia, The..... | 5.2 | | | | 100 | Kazakhstan..... | 4.3 | | | |
| 29 | Qatar..... | 5.1 | | | | 101 | Nicaragua..... | 4.3 | | | |
| 30 | Oman..... | 5.1 | | | | 102 | Timor-Leste..... | 4.2 | | | |
| 31 | Uganda..... | 5.1 | | | | 103 | Mali..... | 4.2 | | | |
| 32 | Sweden..... | 5.1 | | | | 104 | Poland..... | 4.2 | | | |
| 33 | Morocco..... | 5.1 | | | | 105 | Guatemala..... | 4.2 | | | |
| 34 | Czech Republic..... | 5.1 | | | | 106 | Liberia..... | 4.1 | | | |
| 35 | Sri Lanka..... | 5.1 | | | | 107 | Malawi..... | 4.1 | | | |
| 36 | Mexico..... | 5.0 | | | | 108 | Bosnia and Herzegovina..... | 4.0 | | | |
| 37 | Zambia..... | 5.0 | | | | 109 | Tajikistan..... | 4.0 | | | |
| 38 | Cambodia..... | 5.0 | | | | 110 | Egypt..... | 4.0 | | | |
| 39 | Finland..... | 5.0 | | | | 111 | Nepal..... | 4.0 | | | |
| 40 | Cyprus..... | 5.0 | | | | 112 | Mauritania..... | 4.0 | | | |
| 41 | China..... | 5.0 | | | | 113 | Moldova..... | 3.9 | | | |
| 42 | Australia..... | 5.0 | | | | 114 | Ethiopia..... | 3.9 | | | |
| 43 | Gabon..... | 4.9 | | | | 115 | Suriname..... | 3.9 | | | |
| 44 | New Zealand..... | 4.9 | | | | 116 | Lithuania..... | 3.9 | | | |
| 45 | Puerto Rico..... | 4.9 | | | | 117 | El Salvador..... | 3.9 | | | |
| 46 | Jamaica..... | 4.9 | | | | 118 | Yemen..... | 3.9 | | | |
| 47 | Seychelles..... | 4.9 | | | | 119 | Libya..... | 3.8 | | | |
| 48 | Burkina Faso..... | 4.8 | | | | 120 | Romania..... | 3.8 | | | |
| 49 | Botswana..... | 4.8 | | | | 121 | Madagascar..... | 3.8 | | | |
| 50 | Tanzania..... | 4.8 | | | | 122 | Guinea..... | 3.7 | | | |
| 51 | Georgia..... | 4.8 | | | | 123 | Serbia..... | 3.7 | | | |
| 52 | Brunei Darussalam..... | 4.8 | | | | 124 | Bulgaria..... | 3.6 | | | |
| 53 | Cameroon..... | 4.8 | | | | 125 | Benin..... | 3.6 | | | |
| 54 | Turkey..... | 4.8 | | | | 126 | Italy..... | 3.6 | | | |
| 55 | Austria..... | 4.8 | | | | 127 | Iran, Islamic Rep..... | 3.5 | | | |
| 56 | Trinidad and Tobago..... | 4.8 | | | | 128 | Russian Federation..... | 3.5 | | | |
| 57 | Montenegro..... | 4.8 | | | | 129 | Chad..... | 3.5 | | | |
| 58 | Côte d'Ivoire..... | 4.8 | | | | 130 | Bolivia..... | 3.4 | | | |
| 59 | Dominican Republic..... | 4.8 | | | | 131 | Kyrgyz Republic..... | 3.3 | | | |
| 60 | Canada..... | 4.7 | | | | 132 | Ukraine..... | 3.3 | | | |
| 61 | South Africa..... | 4.7 | | | | 133 | Burundi..... | 3.3 | | | |
| 62 | India..... | 4.7 | | | | 134 | Haiti..... | 3.3 | | | |
| 63 | Korea, Rep..... | 4.7 | | | | 135 | Slovenia..... | 3.2 | | | |
| 64 | United States..... | 4.7 | | | | 136 | Ecuador..... | 3.2 | | | |
| 65 | Denmark..... | 4.7 | | | | 137 | Greece..... | 3.2 | | | |
| 66 | Albania..... | 4.7 | | | | 138 | Algeria..... | 3.2 | | | |
| 67 | Japan..... | 4.6 | | | | 139 | Croatia..... | 3.0 | | | |
| 68 | Senegal..... | 4.6 | | | | 140 | Iceland..... | 2.9 | | | |
| 69 | Philippines..... | 4.6 | | | | 141 | Kuwait..... | 2.9 | | | |
| 70 | Jordan..... | 4.6 | | | | 142 | Argentina..... | 2.7 | | | |
| 71 | France..... | 4.6 | | | | 143 | Zimbabwe..... | 2.4 | | | |
| 72 | Germany..... | 4.6 | | | | 144 | Venezuela..... | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.13 Burden of customs procedures

How would you rate the level of efficiency of customs procedures (related to the entry and exit of merchandise) in your country? [1 = extremely inefficient; 7 = extremely efficient] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Singapore | 6.2 | | | | 73 | Indonesia | 4.0 | | | |
| 2 | Finland | 6.1 | | | | 74 | Mexico | 4.0 | | | |
| 3 | Hong Kong SAR | 6.1 | | | | 75 | Mauritania | 4.0 | | | |
| 4 | New Zealand | 6.0 | | | | 76 | Côte d'Ivoire | 3.9 | | | |
| 5 | United Arab Emirates | 5.8 | | | | 77 | Kazakhstan | 3.9 | | | |
| 6 | Rwanda | 5.6 | | | | 78 | Guatemala | 3.9 | | | |
| 7 | Sweden | 5.5 | | | | 79 | Cambodia | 3.9 | | | |
| 8 | Luxembourg | 5.5 | | | | 80 | Bosnia and Herzegovina | 3.9 | | | |
| 9 | Netherlands | 5.4 | | | | 81 | Croatia | 3.9 | | | |
| 10 | Bahrain | 5.3 | | | | 82 | Namibia | 3.8 | | | |
| 11 | Australia | 5.3 | | | | 83 | Burkina Faso | 3.8 | | | |
| 12 | Ireland | 5.3 | | | | 84 | India | 3.8 | | | |
| 13 | Georgia | 5.2 | | | | 85 | Greece | 3.8 | | | |
| 14 | Taiwan, China | 5.2 | | | | 86 | Thailand | 3.8 | | | |
| 15 | Estonia | 5.2 | | | | 87 | Colombia | 3.8 | | | |
| 16 | Iceland | 5.1 | | | | 88 | Honduras | 3.7 | | | |
| 17 | United Kingdom | 5.1 | | | | 89 | Kuwait | 3.7 | | | |
| 18 | Qatar | 5.1 | | | | 90 | Egypt | 3.7 | | | |
| 19 | Austria | 5.1 | | | | 91 | Tajikistan | 3.7 | | | |
| 20 | Chile | 5.0 | | | | 92 | Albania | 3.7 | | | |
| 21 | Switzerland | 5.0 | | | | 93 | Pakistan | 3.7 | | | |
| 22 | Norway | 5.0 | | | | 94 | Nigeria | 3.6 | | | |
| 23 | Malaysia | 5.0 | | | | 95 | Ecuador | 3.6 | | | |
| 24 | Denmark | 5.0 | | | | 96 | Turkey | 3.6 | | | |
| 25 | Gambia, The | 4.9 | | | | 97 | Bulgaria | 3.6 | | | |
| 26 | Malta | 4.9 | | | | 98 | Guyana | 3.6 | | | |
| 27 | Slovenia | 4.9 | | | | 99 | Gabon | 3.6 | | | |
| 28 | Belgium | 4.9 | | | | 100 | Iran, Islamic Rep. | 3.6 | | | |
| 29 | Germany | 4.9 | | | | 101 | Mozambique | 3.5 | | | |
| 30 | Oman | 4.9 | | | | 102 | Serbia | 3.5 | | | |
| 31 | Saudi Arabia | 4.8 | | | | 103 | El Salvador | 3.5 | | | |
| 32 | Canada | 4.8 | | | | 104 | Jamaica | 3.5 | | | |
| 33 | Puerto Rico | 4.8 | | | | 105 | Moldova | 3.5 | | | |
| 34 | Senegal | 4.8 | | | | 106 | Nepal | 3.5 | | | |
| 35 | Portugal | 4.8 | | | | 107 | Azerbaijan | 3.4 | | | |
| 36 | Japan | 4.8 | | | | 108 | Suriname | 3.4 | | | |
| 37 | Cyprus | 4.7 | | | | 109 | Kenya | 3.4 | | | |
| 38 | Hungary | 4.7 | | | | 110 | Lesotho | 3.4 | | | |
| 39 | France | 4.6 | | | | 111 | Zimbabwe | 3.4 | | | |
| 40 | Mauritius | 4.6 | | | | 112 | Lebanon | 3.4 | | | |
| 41 | Spain | 4.6 | | | | 113 | Tanzania | 3.4 | | | |
| 42 | Morocco | 4.5 | | | | 114 | Vietnam | 3.4 | | | |
| 43 | Liberia | 4.5 | | | | 115 | Ghana | 3.4 | | | |
| 44 | Lithuania | 4.5 | | | | 116 | Cape Verde | 3.4 | | | |
| 45 | Brunei Darussalam | 4.5 | | | | 117 | Mongolia | 3.3 | | | |
| 46 | Jordan | 4.5 | | | | 118 | Libya | 3.3 | | | |
| 47 | Israel | 4.5 | | | | 119 | Guinea | 3.3 | | | |
| 48 | United States | 4.5 | | | | 120 | Bolivia | 3.3 | | | |
| 49 | Czech Republic | 4.4 | | | | 121 | Malawi | 3.3 | | | |
| 50 | Seychelles | 4.4 | | | | 122 | Timor-Leste | 3.3 | | | |
| 51 | Barbados | 4.4 | | | | 123 | Madagascar | 3.3 | | | |
| 52 | Korea, Rep. | 4.4 | | | | 124 | Bangladesh | 3.2 | | | |
| 53 | Panama | 4.4 | | | | 125 | Ethiopia | 3.2 | | | |
| 54 | Botswana | 4.4 | | | | 126 | Philippines | 3.2 | | | |
| 55 | Macedonia, FYR | 4.4 | | | | 127 | Armenia | 3.2 | | | |
| 56 | South Africa | 4.3 | | | | 128 | Benin | 3.1 | | | |
| 57 | Poland | 4.3 | | | | 129 | Brazil | 3.1 | | | |
| 58 | Slovak Republic | 4.3 | | | | 130 | Yemen | 3.1 | | | |
| 59 | Sri Lanka | 4.3 | | | | 131 | Nicaragua | 3.1 | | | |
| 60 | Montenegro | 4.3 | | | | 132 | Trinidad and Tobago | 3.0 | | | |
| 61 | Dominican Republic | 4.3 | | | | 133 | Sierra Leone | 3.0 | | | |
| 62 | Zambia | 4.3 | | | | 134 | Romania | 3.0 | | | |
| 63 | Cameroon | 4.2 | | | | 135 | Swaziland | 3.0 | | | |
| 64 | Uganda | 4.2 | | | | 136 | Kyrgyz Republic | 3.0 | | | |
| 65 | China | 4.2 | | | | 137 | Russian Federation | 2.9 | | | |
| 66 | Uruguay | 4.2 | | | | 138 | Ukraine | 2.8 | | | |
| 67 | Latvia | 4.1 | | | | 139 | Chad | 2.8 | | | |
| 68 | Peru | 4.1 | | | | 140 | Burundi | 2.6 | | | |
| 69 | Italy | 4.1 | | | | 141 | Algeria | 2.5 | | | |
| 70 | Mali | 4.1 | | | | 142 | Haiti | 2.4 | | | |
| 71 | Costa Rica | 4.1 | | | | 143 | Argentina | 2.3 | | | |
| 72 | Paraguay | 4.1 | | | | 144 | Venezuela | 2.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.14 Imports as a percentage of GDP

Imports of goods and services as a percentage of gross domestic product | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------------|-------|------|----------------------------------|-------|
| 1 | Hong Kong SAR | 233.1 | 73 | Costa Rica | 44.3 |
| 2 | Singapore | 183.3 | 74 | Botswana ² | 43.9 |
| 3 | Lesotho ² | 124.7 | 75 | Côte d'Ivoire ² | 43.7 |
| 4 | Luxembourg | 118.5 | 76 | Kenya ² | 43.3 |
| 5 | Seychelles ² | 112.5 | 77 | Germany | 43.0 |
| 6 | Belgium | 105.7 | 78 | Sweden | 42.9 |
| 7 | Malta | 98.4 | 79 | Zambia | 42.7 |
| 8 | Mongolia | 97.6 | 80 | Malawi ² | 41.9 |
| 9 | Vietnam | 96.5 | 81 | Benin ² | 41.4 |
| 10 | Estonia | 95.8 | 82 | Ecuador | 41.3 |
| 11 | Liberia ² | 95.4 | 83 | Finland | 41.3 |
| 12 | Puerto Rico | 94.1 | 84 | Guatemala | 40.9 |
| 13 | Kyrgyz Republic | 90.2 | 85 | Portugal | 40.2 |
| 14 | Guyana | 89.8 | 86 | Switzerland | 40.0 |
| 15 | Slovak Republic | 87.5 | 87 | Israel | 39.6 |
| 16 | Moldova | 86.4 | 88 | Mali ² | 39.6 |
| 17 | Lebanon ² | 85.4 | 89 | Madagascar ² | 39.6 |
| 18 | Netherlands | 85.1 | 90 | Nepal ² | 38.1 |
| 19 | Hungary | 84.9 | 91 | Ethiopia ² | 37.5 |
| 20 | Cambodia | 83.6 | 92 | Croatia | 37.3 |
| 21 | Ireland | 82.5 | 93 | Trinidad and Tobago ¹ | 37.1 |
| 22 | Lithuania | 81.9 | 94 | Yemen ² | 37.0 |
| 23 | Panama | 81.2 | 95 | Gambia, The ² | 36.8 |
| 24 | Malaysia | 80.7 | 96 | Guinea ² | 36.2 |
| 25 | Thailand | 80.7 | 97 | Philippines | 35.7 |
| 26 | Slovenia | 80.7 | 98 | Chile | 35.4 |
| 27 | Czech Republic | 78.8 | 99 | South Africa | 34.8 |
| 28 | Jordan | 78.1 | 100 | Dominican Republic | 34.8 |
| 29 | Macedonia, FYR | 77.3 | 101 | India | 34.7 |
| 30 | Nicaragua ² | 73.3 | 102 | Gabon ¹ | 34.3 |
| 31 | Swaziland ² | 71.7 | 103 | Rwanda ² | 33.6 |
| 32 | Taiwan, China | 69.1 | 104 | Sri Lanka ² | 33.5 |
| 33 | Mauritania ² | 69.0 | 105 | Turkey | 33.5 |
| 34 | Honduras | 68.1 | 106 | Mexico | 33.5 |
| 35 | Mauritius | 67.9 | 107 | United Kingdom | 33.4 |
| 36 | Bulgaria | 67.8 | 108 | Bolivia ² | 32.9 |
| 37 | United Arab Emirates ² | 67.5 | 109 | Burundi ² | 32.8 |
| 38 | Latvia | 65.5 | 110 | Nigeria ² | 32.7 |
| 39 | Cape Verde | 64.8 | 111 | Algeria ² | 32.4 |
| 40 | Bosnia and Herzegovina | 64.5 | 112 | Canada | 32.3 |
| 41 | Montenegro | 64.2 | 113 | Brunei Darussalam | 31.2 |
| 42 | Albania | 60.0 | 114 | France | 30.8 |
| 43 | Mozambique ² | 59.1 | 115 | Italy | 30.5 |
| 44 | Ukraine | 58.8 | 116 | Egypt | 30.5 |
| 45 | Georgia | 57.6 | 117 | Cameroon ² | 30.5 |
| 46 | Paraguay ² | 56.7 | 118 | Spain | 30.4 |
| 47 | Namibia | 56.4 | 119 | Bangladesh ² | 30.3 |
| 48 | Austria | 56.3 | 120 | Burkina Faso ² | 30.1 |
| 49 | Haiti | 56.1 | 121 | New Zealand | 29.8 |
| 50 | Barbados | 55.9 | 122 | Saudi Arabia | 28.8 |
| 51 | Korea, Rep. | 55.8 | 123 | Kuwait ² | 27.9 |
| 52 | Jamaica | 55.2 | 124 | Norway | 27.9 |
| 53 | Tanzania | 54.8 | 125 | Kazakhstan | 27.3 |
| 54 | Chad ¹ | 54.2 | 126 | China | 27.1 |
| 55 | Tajikistan ² | 54.0 | 127 | Uruguay | 26.6 |
| 56 | Serbia | 53.5 | 128 | Greece | 25.7 |
| 57 | Iceland | 52.4 | 129 | Peru | 25.5 |
| 58 | Bahrain ² | 52.2 | 130 | Timor-Leste ² | 24.8 |
| 59 | Armenia | 52.1 | 131 | Azerbaijan | 24.7 |
| 60 | Suriname | 51.3 | 132 | Indonesia | 24.6 |
| 61 | Morocco | 50.8 | 133 | Pakistan | 24.3 |
| 62 | El Salvador | 49.2 | 134 | Qatar ² | 24.3 |
| 63 | Cyprus | 48.6 | 135 | Russian Federation | 22.3 |
| 64 | Ghana | 48.0 | 136 | Australia | 20.4 |
| 65 | Sierra Leone ² | 47.4 | 137 | Iran, Islamic Rep. ² | 20.2 |
| 66 | Zimbabwe | 47.2 | 138 | Argentina | 20.1 |
| 67 | Poland | 46.2 | 139 | Libya ² | 19.6 |
| 68 | Denmark | 46.2 | 140 | Colombia | 19.5 |
| 69 | Romania | 45.8 | 141 | Venezuela | 18.7 |
| 70 | Oman ² | 45.8 | 142 | United States | 17.6 |
| 71 | Senegal ² | 45.5 | 143 | Japan | 17.4 |
| 72 | Uganda | 45.0 | 144 | Brazil | 12.4 |

SOURCE: World Trade Organization, Statistical Database: Time Series on merchandise and commercial services (accessed June 4, 2012); International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

¹ 2009 ² 2010

6.15 Degree of customer orientation

How do companies in your country treat customers? [1 = generally treat their customers badly; 7 = are highly responsive to customers and customer retention] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 6.4 | | | | 73 | Uganda | 4.6 | | | |
| 2 | Switzerland | 5.9 | | | | 74 | Slovak Republic | 4.6 | | | |
| 3 | Austria | 5.9 | | | | 75 | Liberia | 4.5 | | | |
| 4 | Sweden | 5.8 | | | | 76 | Montenegro | 4.5 | | | |
| 5 | Qatar | 5.8 | | | | 77 | Uruguay | 4.5 | | | |
| 6 | Taiwan, China | 5.7 | | | | 78 | Cyprus | 4.5 | | | |
| 7 | New Zealand | 5.7 | | | | 79 | Malta | 4.5 | | | |
| 8 | Denmark | 5.6 | | | | 80 | Malawi | 4.5 | | | |
| 9 | Korea, Rep. | 5.6 | | | | 81 | Guyana | 4.5 | | | |
| 10 | Belgium | 5.6 | | | | 82 | Honduras | 4.5 | | | |
| 11 | Ireland | 5.5 | | | | 83 | Bosnia and Herzegovina | 4.5 | | | |
| 12 | Singapore | 5.5 | | | | 84 | Guinea | 4.5 | | | |
| 13 | Canada | 5.5 | | | | 85 | Rwanda | 4.5 | | | |
| 14 | Hong Kong SAR | 5.4 | | | | 86 | Egypt | 4.5 | | | |
| 15 | Germany | 5.4 | | | | 87 | Paraguay | 4.5 | | | |
| 16 | Malaysia | 5.4 | | | | 88 | Nigeria | 4.5 | | | |
| 17 | Iceland | 5.4 | | | | 89 | Benin | 4.5 | | | |
| 18 | United States | 5.4 | | | | 90 | China | 4.5 | | | |
| 19 | United Arab Emirates | 5.4 | | | | 91 | Greece | 4.5 | | | |
| 20 | Finland | 5.4 | | | | 92 | Macedonia, FYR | 4.4 | | | |
| 21 | Thailand | 5.4 | | | | 93 | Madagascar | 4.4 | | | |
| 22 | Turkey | 5.4 | | | | 94 | Swaziland | 4.4 | | | |
| 23 | Puerto Rico | 5.4 | | | | 95 | Dominican Republic | 4.4 | | | |
| 24 | Netherlands | 5.3 | | | | 96 | Pakistan | 4.4 | | | |
| 25 | Australia | 5.3 | | | | 97 | Tanzania | 4.4 | | | |
| 26 | United Kingdom | 5.3 | | | | 98 | Armenia | 4.4 | | | |
| 27 | Philippines | 5.3 | | | | 99 | Bangladesh | 4.3 | | | |
| 28 | Oman | 5.2 | | | | 100 | Côte d'Ivoire | 4.3 | | | |
| 29 | Lithuania | 5.2 | | | | 101 | Ghana | 4.3 | | | |
| 30 | Luxembourg | 5.2 | | | | 102 | Tajikistan | 4.3 | | | |
| 31 | Norway | 5.2 | | | | 103 | Hungary | 4.3 | | | |
| 32 | Gambia, The | 5.1 | | | | 104 | Kazakhstan | 4.3 | | | |
| 33 | Guatemala | 5.1 | | | | 105 | Botswana | 4.2 | | | |
| 34 | Estonia | 5.1 | | | | 106 | Gabon | 4.2 | | | |
| 35 | El Salvador | 5.1 | | | | 107 | Croatia | 4.2 | | | |
| 36 | Saudi Arabia | 5.1 | | | | 108 | Yemen | 4.2 | | | |
| 37 | Costa Rica | 5.1 | | | | 109 | Seychelles | 4.2 | | | |
| 38 | Albania | 5.0 | | | | 110 | Nepal | 4.1 | | | |
| 39 | Colombia | 5.0 | | | | 111 | Cameroon | 4.1 | | | |
| 40 | Bahrain | 5.0 | | | | 112 | Kyrgyz Republic | 4.1 | | | |
| 41 | Mauritius | 5.0 | | | | 113 | Mali | 4.1 | | | |
| 42 | Lebanon | 4.9 | | | | 114 | Iran, Islamic Rep. | 4.0 | | | |
| 43 | Cambodia | 4.9 | | | | 115 | Burkina Faso | 4.0 | | | |
| 44 | Brunei Darussalam | 4.9 | | | | 116 | Romania | 4.0 | | | |
| 45 | Peru | 4.9 | | | | 117 | Vietnam | 4.0 | | | |
| 46 | Poland | 4.9 | | | | 118 | Mongolia | 3.9 | | | |
| 47 | Mexico | 4.9 | | | | 119 | Ethiopia | 3.9 | | | |
| 48 | Jordan | 4.8 | | | | 120 | Georgia | 3.9 | | | |
| 49 | Brazil | 4.8 | | | | 121 | Sierra Leone | 3.9 | | | |
| 50 | Sri Lanka | 4.8 | | | | 122 | Jamaica | 3.9 | | | |
| 51 | Senegal | 4.8 | | | | 123 | Libya | 3.8 | | | |
| 52 | Slovenia | 4.8 | | | | 124 | Timor-Leste | 3.8 | | | |
| 53 | Italy | 4.8 | | | | 125 | Nicaragua | 3.8 | | | |
| 54 | Portugal | 4.8 | | | | 126 | Moldova | 3.8 | | | |
| 55 | Israel | 4.7 | | | | 127 | Mozambique | 3.8 | | | |
| 56 | Azerbaijan | 4.7 | | | | 128 | Zimbabwe | 3.8 | | | |
| 57 | Czech Republic | 4.7 | | | | 129 | Ecuador | 3.8 | | | |
| 58 | France | 4.7 | | | | 130 | Lesotho | 3.8 | | | |
| 59 | Panama | 4.7 | | | | 131 | Namibia | 3.7 | | | |
| 60 | India | 4.7 | | | | 132 | Suriname | 3.7 | | | |
| 61 | South Africa | 4.7 | | | | 133 | Mauritania | 3.7 | | | |
| 62 | Kuwait | 4.6 | | | | 134 | Russian Federation | 3.7 | | | |
| 63 | Kenya | 4.6 | | | | 135 | Serbia | 3.7 | | | |
| 64 | Barbados | 4.6 | | | | 136 | Argentina | 3.6 | | | |
| 65 | Morocco | 4.6 | | | | 137 | Burundi | 3.6 | | | |
| 66 | Spain | 4.6 | | | | 138 | Cape Verde | 3.6 | | | |
| 67 | Latvia | 4.6 | | | | 139 | Trinidad and Tobago | 3.6 | | | |
| 68 | Chile | 4.6 | | | | 140 | Bolivia | 3.5 | | | |
| 69 | Bulgaria | 4.6 | | | | 141 | Venezuela | 3.4 | | | |
| 70 | Ukraine | 4.6 | | | | 142 | Haiti | 3.2 | | | |
| 71 | Zambia | 4.6 | | | | 143 | Chad | 3.1 | | | |
| 72 | Indonesia | 4.6 | | | | 144 | Algeria | 3.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

6.16 Buyer sophistication

In your country, how do buyers make purchasing decisions? [1 = based solely on the lowest price; 7 = based on a sophisticated analysis of performance attributes] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 5.4 | | | | 73 | Ukraine | 3.4 | | | |
| 2 | Switzerland | 5.2 | | | | 74 | Ecuador | 3.4 | | | |
| 3 | Luxembourg | 5.0 | | | | 75 | Jordan | 3.4 | | | |
| 4 | Finland | 4.9 | | | | 76 | Kuwait | 3.3 | | | |
| 5 | Sweden | 4.8 | | | | 77 | Morocco | 3.3 | | | |
| 6 | Taiwan, China | 4.7 | | | | 78 | Pakistan | 3.3 | | | |
| 7 | Hong Kong SAR | 4.7 | | | | 79 | Nicaragua | 3.3 | | | |
| 8 | Singapore | 4.6 | | | | 80 | Greece | 3.3 | | | |
| 9 | United Kingdom | 4.6 | | | | 81 | Brunei Darussalam | 3.3 | | | |
| 10 | United States | 4.6 | | | | 82 | Poland | 3.3 | | | |
| 11 | China | 4.6 | | | | 83 | Latvia | 3.3 | | | |
| 12 | Canada | 4.6 | | | | 84 | Turkey | 3.3 | | | |
| 13 | Belgium | 4.5 | | | | 85 | Jamaica | 3.3 | | | |
| 14 | Netherlands | 4.5 | | | | 86 | Kenya | 3.3 | | | |
| 15 | Germany | 4.5 | | | | 87 | El Salvador | 3.2 | | | |
| 16 | Sri Lanka | 4.5 | | | | 88 | Montenegro | 3.2 | | | |
| 17 | Malaysia | 4.5 | | | | 89 | Gambia, The | 3.2 | | | |
| 18 | United Arab Emirates | 4.4 | | | | 90 | Nigeria | 3.2 | | | |
| 19 | Qatar | 4.4 | | | | 91 | Seychelles | 3.2 | | | |
| 20 | Azerbaijan | 4.4 | | | | 92 | Bulgaria | 3.2 | | | |
| 21 | Norway | 4.4 | | | | 93 | Zimbabwe | 3.2 | | | |
| 22 | Korea, Rep. | 4.4 | | | | 94 | Bangladesh | 3.1 | | | |
| 23 | Ireland | 4.3 | | | | 95 | Suriname | 3.1 | | | |
| 24 | New Zealand | 4.3 | | | | 96 | Mongolia | 3.1 | | | |
| 25 | Bahrain | 4.3 | | | | 97 | Kyrgyz Republic | 3.1 | | | |
| 26 | Israel | 4.2 | | | | 98 | Dominican Republic | 3.1 | | | |
| 27 | Austria | 4.2 | | | | 99 | Cameroon | 3.1 | | | |
| 28 | Chile | 4.2 | | | | 100 | Swaziland | 3.1 | | | |
| 29 | Saudi Arabia | 4.1 | | | | 101 | Rwanda | 3.0 | | | |
| 30 | Puerto Rico | 4.1 | | | | 102 | Romania | 3.0 | | | |
| 31 | Denmark | 4.1 | | | | 103 | Estonia | 3.0 | | | |
| 32 | South Africa | 4.1 | | | | 104 | Moldova | 3.0 | | | |
| 33 | Australia | 4.1 | | | | 105 | Libya | 3.0 | | | |
| 34 | Italy | 4.1 | | | | 106 | Georgia | 3.0 | | | |
| 35 | Lebanon | 4.1 | | | | 107 | Venezuela | 3.0 | | | |
| 36 | Kazakhstan | 4.0 | | | | 108 | Slovenia | 3.0 | | | |
| 37 | Thailand | 3.9 | | | | 109 | Lithuania | 3.0 | | | |
| 38 | Liberia | 3.9 | | | | 110 | Lesotho | 3.0 | | | |
| 39 | Barbados | 3.9 | | | | 111 | Paraguay | 3.0 | | | |
| 40 | Costa Rica | 3.9 | | | | 112 | Ghana | 2.9 | | | |
| 41 | Cambodia | 3.9 | | | | 113 | Cape Verde | 2.9 | | | |
| 42 | Cyprus | 3.8 | | | | 114 | Nepal | 2.9 | | | |
| 43 | France | 3.8 | | | | 115 | Guyana | 2.9 | | | |
| 44 | Tajikistan | 3.8 | | | | 116 | Croatia | 2.9 | | | |
| 45 | Indonesia | 3.8 | | | | 117 | Ethiopia | 2.9 | | | |
| 46 | Iceland | 3.8 | | | | 118 | Tanzania | 2.8 | | | |
| 47 | Brazil | 3.8 | | | | 119 | Botswana | 2.8 | | | |
| 48 | Iran, Islamic Rep. | 3.7 | | | | 120 | Gabon | 2.7 | | | |
| 49 | Mauritius | 3.7 | | | | 121 | Mozambique | 2.7 | | | |
| 50 | Mexico | 3.7 | | | | 122 | Malawi | 2.7 | | | |
| 51 | Spain | 3.7 | | | | 123 | Hungary | 2.7 | | | |
| 52 | Colombia | 3.7 | | | | 124 | Bosnia and Herzegovina | 2.7 | | | |
| 53 | India | 3.7 | | | | 125 | Slovak Republic | 2.6 | | | |
| 54 | Peru | 3.6 | | | | 126 | Egypt | 2.5 | | | |
| 55 | Uruguay | 3.6 | | | | 127 | Uganda | 2.5 | | | |
| 56 | Oman | 3.6 | | | | 128 | Senegal | 2.5 | | | |
| 57 | Philippines | 3.6 | | | | 129 | Timor-Leste | 2.4 | | | |
| 58 | Bolivia | 3.6 | | | | 130 | Benin | 2.4 | | | |
| 59 | Guatemala | 3.6 | | | | 131 | Algeria | 2.4 | | | |
| 60 | Malta | 3.6 | | | | 132 | Yemen | 2.4 | | | |
| 61 | Russian Federation | 3.5 | | | | 133 | Macedonia, FYR | 2.3 | | | |
| 62 | Albania | 3.5 | | | | 134 | Sierra Leone | 2.3 | | | |
| 63 | Trinidad and Tobago | 3.5 | | | | 135 | Mauritania | 2.3 | | | |
| 64 | Armenia | 3.5 | | | | 136 | Mali | 2.3 | | | |
| 65 | Namibia | 3.5 | | | | 137 | Chad | 2.2 | | | |
| 66 | Argentina | 3.5 | | | | 138 | Serbia | 2.2 | | | |
| 67 | Portugal | 3.5 | | | | 139 | Madagascar | 2.1 | | | |
| 68 | Czech Republic | 3.5 | | | | 140 | Guinea | 2.1 | | | |
| 69 | Panama | 3.5 | | | | 141 | Côte d'Ivoire | 2.1 | | | |
| 70 | Honduras | 3.4 | | | | 142 | Haiti | 2.1 | | | |
| 71 | Vietnam | 3.4 | | | | 143 | Burkina Faso | 1.9 | | | |
| 72 | Zambia | 3.4 | | | | 144 | Burundi | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

Pillar 7

Labor market efficiency

7.01 Cooperation in labor-employer relations

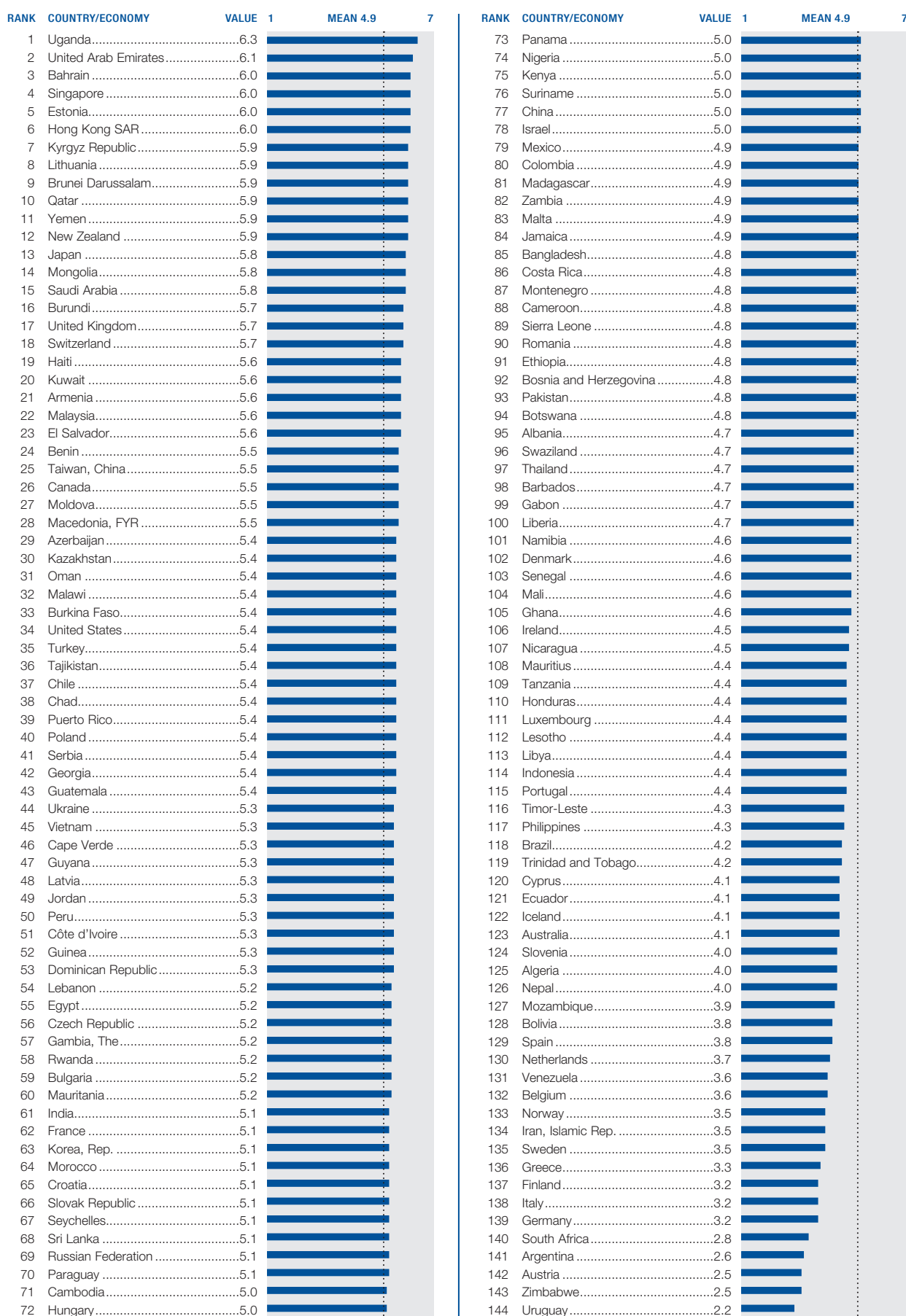
How would you characterize labor-employer relations in your country? [1 = generally confrontational; 7 = generally cooperative] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.1 | | | | 73 | Paraguay | 4.3 | | | |
| 2 | Singapore | 6.0 | | | | 74 | Guinea | 4.2 | | | |
| 3 | Denmark | 6.0 | | | | 75 | Cambodia | 4.2 | | | |
| 4 | Netherlands | 5.7 | | | | 76 | Ghana | 4.2 | | | |
| 5 | Norway | 5.7 | | | | 77 | Kenya | 4.2 | | | |
| 6 | Austria | 5.7 | | | | 78 | Mali | 4.2 | | | |
| 7 | Japan | 5.6 | | | | 79 | Moldova | 4.2 | | | |
| 8 | Sweden | 5.6 | | | | 80 | Nicaragua | 4.2 | | | |
| 9 | Hong Kong SAR | 5.4 | | | | 81 | Lebanon | 4.2 | | | |
| 10 | Iceland | 5.4 | | | | 82 | Gabon | 4.2 | | | |
| 11 | New Zealand | 5.4 | | | | 83 | Madagascar | 4.2 | | | |
| 12 | United Arab Emirates | 5.3 | | | | 84 | Bangladesh | 4.2 | | | |
| 13 | Costa Rica | 5.3 | | | | 85 | Liberia | 4.2 | | | |
| 14 | Ireland | 5.3 | | | | 86 | Uganda | 4.2 | | | |
| 15 | Malaysia | 5.2 | | | | 87 | Yemen | 4.2 | | | |
| 16 | Finland | 5.2 | | | | 88 | Zambia | 4.1 | | | |
| 17 | Taiwan, China | 5.2 | | | | 89 | Bosnia and Herzegovina | 4.1 | | | |
| 18 | Barbados | 5.2 | | | | 90 | Pakistan | 4.1 | | | |
| 19 | Oman | 5.2 | | | | 91 | Malawi | 4.1 | | | |
| 20 | Germany | 5.2 | | | | 92 | Suriname | 4.1 | | | |
| 21 | Brunei Darussalam | 5.1 | | | | 93 | Poland | 4.1 | | | |
| 22 | Qatar | 5.1 | | | | 94 | Cameroon | 4.1 | | | |
| 23 | Luxembourg | 5.1 | | | | 95 | Burkina Faso | 4.1 | | | |
| 24 | Gambia, The | 5.1 | | | | 96 | Portugal | 4.1 | | | |
| 25 | Canada | 5.0 | | | | 97 | Libya | 4.1 | | | |
| 26 | Bahrain | 5.0 | | | | 98 | Timor-Leste | 4.1 | | | |
| 27 | United Kingdom | 5.0 | | | | 99 | Hungary | 4.0 | | | |
| 28 | Israel | 5.0 | | | | 100 | Tanzania | 4.0 | | | |
| 29 | Guatemala | 4.9 | | | | 101 | Swaziland | 4.0 | | | |
| 30 | Albania | 4.8 | | | | 102 | Bulgaria | 4.0 | | | |
| 31 | Estonia | 4.8 | | | | 103 | Ethiopia | 4.0 | | | |
| 32 | Côte d'Ivoire | 4.8 | | | | 104 | Turkey | 4.0 | | | |
| 33 | Malta | 4.8 | | | | 105 | Mongolia | 4.0 | | | |
| 34 | Armenia | 4.8 | | | | 106 | Benin | 3.9 | | | |
| 35 | Saudi Arabia | 4.8 | | | | 107 | Slovak Republic | 3.9 | | | |
| 36 | Seychelles | 4.8 | | | | 108 | Ecuador | 3.9 | | | |
| 37 | Azerbaijan | 4.7 | | | | 109 | Montenegro | 3.9 | | | |
| 38 | Philippines | 4.7 | | | | 110 | Cape Verde | 3.9 | | | |
| 39 | Chile | 4.7 | | | | 111 | Ukraine | 3.9 | | | |
| 40 | Rwanda | 4.7 | | | | 112 | Macedonia, FYR | 3.9 | | | |
| 41 | Thailand | 4.7 | | | | 113 | Botswana | 3.9 | | | |
| 42 | United States | 4.7 | | | | 114 | Slovenia | 3.9 | | | |
| 43 | Dominican Republic | 4.7 | | | | 115 | Nigeria | 3.9 | | | |
| 44 | Mauritius | 4.6 | | | | 116 | Namibia | 3.8 | | | |
| 45 | Cyprus | 4.6 | | | | 117 | Spain | 3.8 | | | |
| 46 | Puerto Rico | 4.6 | | | | 118 | Jamaica | 3.8 | | | |
| 47 | Mexico | 4.6 | | | | 119 | Iran, Islamic Rep. | 3.8 | | | |
| 48 | El Salvador | 4.5 | | | | 120 | Morocco | 3.8 | | | |
| 49 | Kazakhstan | 4.5 | | | | 121 | Lesotho | 3.8 | | | |
| 50 | India | 4.5 | | | | 122 | Zimbabwe | 3.8 | | | |
| 51 | Guyana | 4.5 | | | | 123 | Bolivia | 3.8 | | | |
| 52 | Kuwait | 4.5 | | | | 124 | Haiti | 3.7 | | | |
| 53 | Vietnam | 4.5 | | | | 125 | Russian Federation | 3.7 | | | |
| 54 | Sri Lanka | 4.5 | | | | 126 | Mozambique | 3.6 | | | |
| 55 | Belgium | 4.4 | | | | 127 | Italy | 3.6 | | | |
| 56 | Jordan | 4.4 | | | | 128 | Egypt | 3.6 | | | |
| 57 | China | 4.4 | | | | 129 | Korea, Rep. | 3.6 | | | |
| 58 | Panama | 4.4 | | | | 130 | Greece | 3.5 | | | |
| 59 | Sierra Leone | 4.4 | | | | 131 | Burundi | 3.5 | | | |
| 60 | Latvia | 4.4 | | | | 132 | Chad | 3.4 | | | |
| 61 | Indonesia | 4.4 | | | | 133 | Croatia | 3.4 | | | |
| 62 | Honduras | 4.4 | | | | 134 | Trinidad and Tobago | 3.3 | | | |
| 63 | Georgia | 4.3 | | | | 135 | Argentina | 3.3 | | | |
| 64 | Tajikistan | 4.3 | | | | 136 | Uruguay | 3.3 | | | |
| 65 | Colombia | 4.3 | | | | 137 | France | 3.3 | | | |
| 66 | Peru | 4.3 | | | | 138 | Mauritania | 3.3 | | | |
| 67 | Australia | 4.3 | | | | 139 | Serbia | 3.3 | | | |
| 68 | Kyrgyz Republic | 4.3 | | | | 140 | Nepal | 3.2 | | | |
| 69 | Czech Republic | 4.3 | | | | 141 | Romania | 3.2 | | | |
| 70 | Lithuania | 4.3 | | | | 142 | Venezuela | 3.2 | | | |
| 71 | Senegal | 4.3 | | | | 143 | Algeria | 2.9 | | | |
| 72 | Brazil | 4.3 | | | | 144 | South Africa | 2.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

7.02 Flexibility of wage determination

How are wages generally set in your country? [1 = by a centralized bargaining process; 7 = up to each individual company] | 2011–12 weighted average



SOURCE: World Economic Forum, Executive Opinion Survey

7.03 Hiring and firing practices

How would you characterize the hiring and firing of workers in your country? [1 = impeded by regulations; 7 = flexibly determined by employers] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Hong Kong SAR | 5.8 | | | | 73 | Oman | 3.9 | | | |
| 2 | Singapore | 5.7 | | | | 74 | Morocco | 3.9 | | | |
| 3 | Switzerland | 5.6 | | | | 75 | Ireland | 3.9 | | | |
| 4 | Azerbaijan | 5.4 | | | | 76 | Senegal | 3.9 | | | |
| 5 | Denmark | 5.3 | | | | 77 | Mali | 3.9 | | | |
| 6 | Iceland | 5.2 | | | | 78 | Mauritius | 3.9 | | | |
| 7 | Uganda | 5.2 | | | | 79 | El Salvador | 3.9 | | | |
| 8 | United States | 5.0 | | | | 80 | Finland | 3.9 | | | |
| 9 | Georgia | 5.0 | | | | 81 | Ethiopia | 3.8 | | | |
| 10 | Armenia | 5.0 | | | | 82 | Seychelles | 3.8 | | | |
| 11 | Kenya | 5.0 | | | | 83 | Cyprus | 3.8 | | | |
| 12 | United Arab Emirates | 5.0 | | | | 84 | Trinidad and Tobago | 3.8 | | | |
| 13 | Guyana | 4.9 | | | | 85 | Jordan | 3.8 | | | |
| 14 | Canada | 4.9 | | | | 86 | Taiwan, China | 3.7 | | | |
| 15 | Qatar | 4.9 | | | | 87 | Burundi | 3.7 | | | |
| 16 | Ukraine | 4.9 | | | | 88 | Colombia | 3.7 | | | |
| 17 | Nigeria | 4.9 | | | | 89 | Iran, Islamic Rep. | 3.7 | | | |
| 18 | Cameroon | 4.9 | | | | 90 | Russian Federation | 3.7 | | | |
| 19 | Kyrgyz Republic | 4.8 | | | | 91 | Moldova | 3.7 | | | |
| 20 | Bangladesh | 4.7 | | | | 92 | Malta | 3.6 | | | |
| 21 | Pakistan | 4.7 | | | | 93 | Kuwait | 3.6 | | | |
| 22 | Saudi Arabia | 4.7 | | | | 94 | Bolivia | 3.6 | | | |
| 23 | Chad | 4.7 | | | | 95 | Chile | 3.6 | | | |
| 24 | Kazakhstan | 4.7 | | | | 96 | Lesotho | 3.6 | | | |
| 25 | Sierra Leone | 4.7 | | | | 97 | Romania | 3.6 | | | |
| 26 | Albania | 4.7 | | | | 98 | Serbia | 3.6 | | | |
| 27 | Guinea | 4.6 | | | | 99 | Cape Verde | 3.6 | | | |
| 28 | Côte d'Ivoire | 4.6 | | | | 100 | Austria | 3.5 | | | |
| 29 | Mauritania | 4.6 | | | | 101 | Slovak Republic | 3.5 | | | |
| 30 | Ghana | 4.5 | | | | 102 | Mozambique | 3.5 | | | |
| 31 | Zambia | 4.5 | | | | 103 | Poland | 3.5 | | | |
| 32 | Burkina Faso | 4.5 | | | | 104 | Puerto Rico | 3.5 | | | |
| 33 | United Kingdom | 4.5 | | | | 105 | Nepal | 3.5 | | | |
| 34 | Malaysia | 4.5 | | | | 106 | Panama | 3.4 | | | |
| 35 | Mongolia | 4.5 | | | | 107 | Peru | 3.4 | | | |
| 36 | Estonia | 4.5 | | | | 108 | Philippines | 3.4 | | | |
| 37 | Brunei Darussalam | 4.5 | | | | 109 | Korea, Rep. | 3.4 | | | |
| 38 | Bosnia and Herzegovina | 4.4 | | | | 110 | Czech Republic | 3.4 | | | |
| 39 | Cambodia | 4.4 | | | | 111 | Greece | 3.3 | | | |
| 40 | Gambia, The | 4.4 | | | | 112 | Algeria | 3.3 | | | |
| 41 | Thailand | 4.3 | | | | 113 | Mexico | 3.3 | | | |
| 42 | China | 4.3 | | | | 114 | Brazil | 3.3 | | | |
| 43 | Macedonia, FYR | 4.3 | | | | 115 | Paraguay | 3.3 | | | |
| 44 | Turkey | 4.3 | | | | 116 | Egypt | 3.3 | | | |
| 45 | Madagascar | 4.3 | | | | 117 | Swaziland | 3.3 | | | |
| 46 | Costa Rica | 4.2 | | | | 118 | Lithuania | 3.3 | | | |
| 47 | Barbados | 4.2 | | | | 119 | Gabon | 3.2 | | | |
| 48 | Jamaica | 4.2 | | | | 120 | Australia | 3.2 | | | |
| 49 | Bulgaria | 4.2 | | | | 121 | Honduras | 3.2 | | | |
| 50 | Hungary | 4.2 | | | | 122 | Luxembourg | 3.2 | | | |
| 51 | Tajikistan | 4.2 | | | | 123 | Botswana | 3.1 | | | |
| 52 | Indonesia | 4.2 | | | | 124 | Croatia | 3.1 | | | |
| 53 | Haiti | 4.2 | | | | 125 | Ecuador | 3.1 | | | |
| 54 | Guatemala | 4.2 | | | | 126 | Netherlands | 3.1 | | | |
| 55 | Latvia | 4.2 | | | | 127 | Germany | 3.1 | | | |
| 56 | Lebanon | 4.1 | | | | 128 | Sri Lanka | 3.1 | | | |
| 57 | Vietnam | 4.1 | | | | 129 | Spain | 3.0 | | | |
| 58 | Malawi | 4.1 | | | | 130 | Namibia | 3.0 | | | |
| 59 | Rwanda | 4.1 | | | | 131 | Portugal | 2.9 | | | |
| 60 | Montenegro | 4.1 | | | | 132 | Belgium | 2.9 | | | |
| 61 | Nicaragua | 4.1 | | | | 133 | Sweden | 2.9 | | | |
| 62 | Israel | 4.0 | | | | 134 | Japan | 2.8 | | | |
| 63 | Timor-Leste | 4.0 | | | | 135 | Norway | 2.8 | | | |
| 64 | Benin | 4.0 | | | | 136 | Italy | 2.8 | | | |
| 65 | Bahrain | 4.0 | | | | 137 | Suriname | 2.8 | | | |
| 66 | Liberia | 4.0 | | | | 138 | Uruguay | 2.7 | | | |
| 67 | Libya | 4.0 | | | | 139 | Argentina | 2.7 | | | |
| 68 | Dominican Republic | 4.0 | | | | 140 | Zimbabwe | 2.6 | | | |
| 69 | New Zealand | 4.0 | | | | 141 | France | 2.5 | | | |
| 70 | Tanzania | 4.0 | | | | 142 | Slovenia | 2.3 | | | |
| 71 | India | 4.0 | | | | 143 | South Africa | 2.2 | | | |
| 72 | Yemen | 4.0 | | | | 144 | Venezuela | 2.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

7.04 Redundancy costs

Redundancy costs in weeks of salary | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------|-------|------|--------------------------|--------------|
| 1 | Denmark..... | 0 | 73 | India..... | 16 |
| 1 | New Zealand..... | 0 | 73 | Kenya..... | 16 |
| 1 | Puerto Rico..... | 0 | 75 | Burundi..... | 16 |
| 1 | United States..... | 0 | 76 | Nigeria..... | 16 |
| 5 | Austria..... | 2 | 77 | Chile..... | 16 |
| 6 | Brunei Darussalam..... | 3 | 78 | Colombia..... | 17 |
| 6 | Singapore..... | 3 | 78 | Guyana..... | 17 |
| 8 | Bahrain..... | 4 | 78 | Malawi..... | 17 |
| 8 | Japan..... | 4 | 81 | Algeria..... | 17 |
| 8 | Oman..... | 4 | 81 | Kyrgyz Republic..... | 17 |
| 8 | Timor-Leste..... | 4 | 81 | Russian Federation..... | 17 |
| 8 | United Arab Emirates..... | 4 | 84 | Spain..... | 17 |
| 13 | Georgia..... | 4 | 85 | Costa Rica..... | 19 |
| 13 | Jordan..... | 4 | 86 | Panama..... | 19 |
| 15 | Cyprus..... | 6 | 87 | Cambodia..... | 19 |
| 16 | Hong Kong SAR..... | 6 | 88 | Saudi Arabia..... | 19 |
| 17 | Belgium..... | 6 | 89 | Greece..... | 20 |
| 18 | Ireland..... | 7 | 90 | Trinidad and Tobago..... | 21 |
| 19 | Italy..... | 7 | 91 | Ethiopia..... | 21 |
| 20 | Bulgaria..... | 8 | 92 | Morocco..... | 21 |
| 21 | Serbia..... | 8 | 93 | Uruguay..... | 21 |
| 22 | Guinea..... | 8 | 94 | Albania..... | 21 |
| 23 | United Kingdom..... | 8 | 95 | Germany..... | 22 |
| 24 | Romania..... | 8 | 96 | Azerbaijan..... | 22 |
| 25 | Kazakhstan..... | 9 | 96 | Czech Republic..... | 22 |
| 25 | Lebanon..... | 9 | 96 | Luxembourg..... | 22 |
| 25 | Mongolia..... | 9 | 99 | Botswana..... | 22 |
| 25 | Netherlands..... | 9 | 100 | Mexico..... | 22 |
| 25 | Norway..... | 9 | 101 | Taiwan, China..... | 23 |
| 25 | Uganda..... | 9 | 102 | Moldova..... | 23 |
| 31 | Suriname..... | 9 | 103 | El Salvador..... | 23 |
| 32 | Bosnia and Herzegovina..... | 9 | 104 | Iran, Islamic Rep..... | 23 |
| 33 | South Africa..... | 9 | 104 | Slovak Republic..... | 23 |
| 33 | Tanzania..... | 9 | 104 | Vietnam..... | 23 |
| 35 | Latvia..... | 10 | 107 | Qatar..... | 23 |
| 35 | Namibia..... | 10 | 108 | Malaysia..... | 24 |
| 37 | Canada..... | 10 | 109 | Lithuania..... | 25 |
| 38 | Finland..... | 10 | 110 | Liberia..... | 26 |
| 38 | Haiti..... | 10 | 111 | Gambia, The..... | 26 |
| 38 | Iceland..... | 10 | 112 | Paraguay..... | 26 |
| 38 | Poland..... | 10 | 113 | Dominican Republic..... | 26 |
| 38 | Switzerland..... | 10 | 114 | Guatemala..... | 27 |
| 43 | Burkina Faso..... | 10 | 115 | Nepal..... | 27 |
| 43 | Mauritania..... | 10 | 115 | Pakistan..... | 27 |
| 45 | Mauritius..... | 11 | 117 | China..... | 27 |
| 46 | Armenia..... | 11 | 117 | Korea, Rep..... | 27 |
| 47 | Slovenia..... | 11 | 117 | Yemen..... | 27 |
| 48 | Peru..... | 11 | 120 | Israel..... | 27 |
| 49 | Benin..... | 12 | 120 | Philippines..... | 27 |
| 50 | Australia..... | 12 | 122 | Kuwait..... | 28 |
| 51 | France..... | 12 | 123 | Montenegro..... | 28 |
| 52 | Madagascar..... | 12 | 124 | Cape Verde..... | 30 |
| 53 | Estonia..... | 13 | 125 | Turkey..... | 30 |
| 54 | Rwanda..... | 13 | 126 | Argentina..... | 30 |
| 55 | Chad..... | 13 | 126 | Honduras..... | 30 |
| 55 | Macedonia, FYR..... | 13 | 128 | Bangladesh..... | 31 |
| 55 | Ukraine..... | 13 | 129 | Portugal..... | 34 |
| 58 | Côte d'Ivoire..... | 13 | 130 | Thailand..... | 36 |
| 59 | Brazil..... | 13 | 131 | Ecuador..... | 36 |
| 60 | Hungary..... | 13 | 132 | Egypt..... | 37 |
| 61 | Seychelles..... | 13 | 133 | Mozambique..... | 41 |
| 62 | Mali..... | 14 | 134 | Sierra Leone..... | 43 |
| 63 | Senegal..... | 14 | 135 | Ghana..... | 50 |
| 64 | Jamaica..... | 14 | 136 | Zambia..... | 51 |
| 65 | Cameroon..... | 14 | 137 | Indonesia..... | 58 |
| 66 | Sweden..... | 14 | 138 | Sri Lanka..... | 59 |
| 67 | Swaziland..... | 15 | 139 | Zimbabwe..... | 82 |
| 68 | Gabon..... | 15 | 140 | Bolivia..... | not possible |
| 69 | Nicaragua..... | 15 | 140 | Venezuela..... | not possible |
| 70 | Lesotho..... | 15 | n/a | Barbados..... | n/a |
| 71 | Croatia..... | 15 | n/a | Libya..... | n/a |
| 72 | Tajikistan..... | 16 | n/a | Malta..... | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*; authors' calculations

7.05 Pay and productivity

To what extent is pay in your country related to productivity? [1 = not related to worker productivity; 7 = strongly related to worker productivity] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Hong Kong SAR | 5.4 | | | | 73 | Pakistan | 3.9 | | | |
| 2 | Singapore | 5.4 | | | | 74 | Cyprus | 3.8 | | | |
| 3 | Malaysia | 5.3 | | | | 75 | Macedonia, FYR | 3.8 | | | |
| 4 | Switzerland | 5.3 | | | | 76 | Seychelles | 3.8 | | | |
| 5 | Taiwan, China | 5.2 | | | | 77 | Norway | 3.8 | | | |
| 6 | Qatar | 5.0 | | | | 78 | Montenegro | 3.8 | | | |
| 7 | United Arab Emirates | 5.0 | | | | 79 | Kuwait | 3.8 | | | |
| 8 | Estonia | 4.9 | | | | 80 | Australia | 3.8 | | | |
| 9 | Korea, Rep. | 4.9 | | | | 81 | Brazil | 3.8 | | | |
| 10 | Kazakhstan | 4.8 | | | | 82 | Madagascar | 3.8 | | | |
| 11 | Brunei Darussalam | 4.8 | | | | 83 | Mexico | 3.7 | | | |
| 12 | United States | 4.8 | | | | 84 | Yemen | 3.7 | | | |
| 13 | United Kingdom | 4.8 | | | | 85 | Senegal | 3.7 | | | |
| 14 | Slovak Republic | 4.8 | | | | 86 | Barbados | 3.7 | | | |
| 15 | Saudi Arabia | 4.7 | | | | 87 | Romania | 3.7 | | | |
| 16 | China | 4.7 | | | | 88 | Peru | 3.6 | | | |
| 17 | Kyrgyz Republic | 4.7 | | | | 89 | Jamaica | 3.6 | | | |
| 18 | Vietnam | 4.7 | | | | 90 | Belgium | 3.6 | | | |
| 19 | Tajikistan | 4.6 | | | | 91 | Ethiopia | 3.6 | | | |
| 20 | Azerbaijan | 4.6 | | | | 92 | Malawi | 3.6 | | | |
| 21 | Japan | 4.6 | | | | 93 | Bolivia | 3.6 | | | |
| 22 | New Zealand | 4.6 | | | | 94 | Haiti | 3.6 | | | |
| 23 | Lithuania | 4.6 | | | | 95 | Cameroon | 3.6 | | | |
| 24 | Canada | 4.5 | | | | 96 | Timor-Leste | 3.6 | | | |
| 25 | Ukraine | 4.5 | | | | 97 | Ghana | 3.6 | | | |
| 26 | Latvia | 4.5 | | | | 98 | Bosnia and Herzegovina | 3.6 | | | |
| 27 | Thailand | 4.5 | | | | 99 | Zambia | 3.6 | | | |
| 28 | Czech Republic | 4.5 | | | | 100 | Nigeria | 3.6 | | | |
| 29 | Cambodia | 4.4 | | | | 101 | Croatia | 3.6 | | | |
| 30 | Bahrain | 4.4 | | | | 102 | Colombia | 3.6 | | | |
| 31 | Armenia | 4.4 | | | | 103 | Tanzania | 3.6 | | | |
| 32 | Ireland | 4.4 | | | | 104 | Slovenia | 3.5 | | | |
| 33 | Albania | 4.4 | | | | 105 | Bangladesh | 3.5 | | | |
| 34 | Indonesia | 4.4 | | | | 106 | Serbia | 3.5 | | | |
| 35 | Mongolia | 4.3 | | | | 107 | Namibia | 3.5 | | | |
| 36 | Gambia, The | 4.3 | | | | 108 | Côte d'Ivoire | 3.4 | | | |
| 37 | Bulgaria | 4.3 | | | | 109 | Honduras | 3.4 | | | |
| 38 | Sri Lanka | 4.3 | | | | 110 | Paraguay | 3.4 | | | |
| 39 | Poland | 4.3 | | | | 111 | Nicaragua | 3.4 | | | |
| 40 | Moldova | 4.3 | | | | 112 | Egypt | 3.4 | | | |
| 41 | Germany | 4.3 | | | | 113 | Uganda | 3.4 | | | |
| 42 | Chile | 4.3 | | | | 114 | Ecuador | 3.3 | | | |
| 43 | India | 4.3 | | | | 115 | Mali | 3.3 | | | |
| 44 | Israel | 4.3 | | | | 116 | Swaziland | 3.3 | | | |
| 45 | Puerto Rico | 4.3 | | | | 117 | Dominican Republic | 3.3 | | | |
| 46 | Finland | 4.2 | | | | 118 | Libya | 3.3 | | | |
| 47 | Rwanda | 4.2 | | | | 119 | El Salvador | 3.3 | | | |
| 48 | Liberia | 4.2 | | | | 120 | Portugal | 3.3 | | | |
| 49 | Turkey | 4.2 | | | | 121 | Sierra Leone | 3.3 | | | |
| 50 | Morocco | 4.2 | | | | 122 | Panama | 3.2 | | | |
| 51 | Malta | 4.2 | | | | 123 | Suriname | 3.2 | | | |
| 52 | Oman | 4.2 | | | | 124 | Iran, Islamic Rep. | 3.2 | | | |
| 53 | Denmark | 4.1 | | | | 125 | Benin | 3.1 | | | |
| 54 | Luxembourg | 4.1 | | | | 126 | Trinidad and Tobago | 3.1 | | | |
| 55 | Georgia | 4.1 | | | | 127 | Burkina Faso | 3.0 | | | |
| 56 | Lebanon | 4.1 | | | | 128 | Italy | 3.0 | | | |
| 57 | Philippines | 4.1 | | | | 129 | Guinea | 3.0 | | | |
| 58 | Iceland | 4.1 | | | | 130 | Chad | 3.0 | | | |
| 59 | Kenya | 4.0 | | | | 131 | Cape Verde | 3.0 | | | |
| 60 | Guatemala | 4.0 | | | | 132 | Greece | 3.0 | | | |
| 61 | Jordan | 4.0 | | | | 133 | Spain | 3.0 | | | |
| 62 | Austria | 4.0 | | | | 134 | South Africa | 2.9 | | | |
| 63 | Gabon | 4.0 | | | | 135 | Mozambique | 2.9 | | | |
| 64 | Costa Rica | 4.0 | | | | 136 | Nepal | 2.9 | | | |
| 65 | Russian Federation | 4.0 | | | | 137 | Lesotho | 2.8 | | | |
| 66 | France | 3.9 | | | | 138 | Argentina | 2.8 | | | |
| 67 | Netherlands | 3.9 | | | | 139 | Zimbabwe | 2.8 | | | |
| 68 | Botswana | 3.9 | | | | 140 | Venezuela | 2.7 | | | |
| 69 | Guyana | 3.9 | | | | 141 | Burundi | 2.5 | | | |
| 70 | Hungary | 3.9 | | | | 142 | Mauritania | 2.5 | | | |
| 71 | Mauritius | 3.9 | | | | 143 | Uruguay | 2.5 | | | |
| 72 | Sweden | 3.9 | | | | 144 | Algeria | 2.4 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

7.06 Reliance on professional management

In your country, who holds senior management positions? [1 = usually relatives or friends without regard to merit; 7 = mostly professional managers chosen for merit and qualifications] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | New Zealand | 6.3 | | | | 73 | Albania | 4.2 | | | |
| 2 | Finland | 6.3 | | | | 74 | Poland | 4.2 | | | |
| 3 | Netherlands | 6.1 | | | | 75 | Venezuela | 4.2 | | | |
| 4 | Norway | 6.1 | | | | 76 | Namibia | 4.2 | | | |
| 5 | Sweden | 6.1 | | | | 77 | Tanzania | 4.1 | | | |
| 6 | Switzerland | 6.0 | | | | 78 | Seychelles | 4.1 | | | |
| 7 | Canada | 6.0 | | | | 79 | Portugal | 4.1 | | | |
| 8 | Denmark | 6.0 | | | | 80 | Côte d'Ivoire | 4.1 | | | |
| 9 | United Kingdom | 6.0 | | | | 81 | Guatemala | 4.1 | | | |
| 10 | Australia | 5.9 | | | | 82 | Colombia | 4.1 | | | |
| 11 | Singapore | 5.9 | | | | 83 | Sierra Leone | 4.1 | | | |
| 12 | Ireland | 5.9 | | | | 84 | Bosnia and Herzegovina | 4.1 | | | |
| 13 | South Africa | 5.6 | | | | 85 | Montenegro | 4.0 | | | |
| 14 | Puerto Rico | 5.6 | | | | 86 | Slovenia | 4.0 | | | |
| 15 | Germany | 5.6 | | | | 87 | Kazakhstan | 4.0 | | | |
| 16 | Qatar | 5.5 | | | | 88 | Malta | 4.0 | | | |
| 17 | Japan | 5.5 | | | | 89 | Jordan | 3.9 | | | |
| 18 | Austria | 5.5 | | | | 90 | Hungary | 3.9 | | | |
| 19 | United States | 5.4 | | | | 91 | Armenia | 3.9 | | | |
| 20 | Belgium | 5.4 | | | | 92 | Georgia | 3.9 | | | |
| 21 | Luxembourg | 5.4 | | | | 93 | Lebanon | 3.9 | | | |
| 22 | Iceland | 5.3 | | | | 94 | Uganda | 3.9 | | | |
| 23 | Malaysia | 5.3 | | | | 95 | Senegal | 3.9 | | | |
| 24 | Zimbabwe | 5.3 | | | | 96 | Lesotho | 3.9 | | | |
| 25 | Taiwan, China | 5.2 | | | | 97 | Uruguay | 3.8 | | | |
| 26 | Estonia | 5.2 | | | | 98 | Morocco | 3.8 | | | |
| 27 | United Arab Emirates | 5.2 | | | | 99 | Moldova | 3.8 | | | |
| 28 | Israel | 5.2 | | | | 100 | Kuwait | 3.8 | | | |
| 29 | Barbados | 5.2 | | | | 101 | Pakistan | 3.8 | | | |
| 30 | Botswana | 5.2 | | | | 102 | Azerbaijan | 3.8 | | | |
| 31 | Oman | 5.1 | | | | 103 | Greece | 3.8 | | | |
| 32 | Hong Kong SAR | 5.0 | | | | 104 | Honduras | 3.8 | | | |
| 33 | Bahrain | 5.0 | | | | 105 | Ecuador | 3.7 | | | |
| 34 | France | 5.0 | | | | 106 | Bulgaria | 3.7 | | | |
| 35 | Sri Lanka | 5.0 | | | | 107 | Vietnam | 3.7 | | | |
| 36 | Saudi Arabia | 5.0 | | | | 108 | Madagascar | 3.7 | | | |
| 37 | Gambia, The | 4.9 | | | | 109 | Cape Verde | 3.7 | | | |
| 38 | Philippines | 4.9 | | | | 110 | Russian Federation | 3.6 | | | |
| 39 | Brazil | 4.9 | | | | 111 | Croatia | 3.6 | | | |
| 40 | Korea, Rep. | 4.9 | | | | 112 | Mongolia | 3.6 | | | |
| 41 | Chile | 4.9 | | | | 113 | Italy | 3.6 | | | |
| 42 | Rwanda | 4.7 | | | | 114 | Bolivia | 3.6 | | | |
| 43 | Spain | 4.7 | | | | 115 | Panama | 3.6 | | | |
| 44 | Costa Rica | 4.6 | | | | 116 | El Salvador | 3.5 | | | |
| 45 | Brunei Darussalam | 4.6 | | | | 117 | Ethiopia | 3.5 | | | |
| 46 | India | 4.6 | | | | 118 | Bangladesh | 3.5 | | | |
| 47 | Peru | 4.6 | | | | 119 | Paraguay | 3.5 | | | |
| 48 | China | 4.5 | | | | 120 | Nepal | 3.5 | | | |
| 49 | Czech Republic | 4.5 | | | | 121 | Cyprus | 3.5 | | | |
| 50 | Ghana | 4.5 | | | | 122 | Iran, Islamic Rep. | 3.5 | | | |
| 51 | Gabon | 4.5 | | | | 123 | Libya | 3.5 | | | |
| 52 | Indonesia | 4.5 | | | | 124 | Romania | 3.5 | | | |
| 53 | Argentina | 4.4 | | | | 125 | Burkina Faso | 3.5 | | | |
| 54 | Mauritius | 4.4 | | | | 126 | Nicaragua | 3.5 | | | |
| 55 | Lithuania | 4.4 | | | | 127 | Benin | 3.5 | | | |
| 56 | Guyana | 4.4 | | | | 128 | Kyrgyz Republic | 3.5 | | | |
| 57 | Zambia | 4.4 | | | | 129 | Dominican Republic | 3.4 | | | |
| 58 | Nigeria | 4.4 | | | | 130 | Tajikistan | 3.4 | | | |
| 59 | Cambodia | 4.4 | | | | 131 | Ukraine | 3.4 | | | |
| 60 | Latvia | 4.3 | | | | 132 | Mozambique | 3.4 | | | |
| 61 | Jamaica | 4.3 | | | | 133 | Macedonia, FYR | 3.4 | | | |
| 62 | Turkey | 4.3 | | | | 134 | Egypt | 3.3 | | | |
| 63 | Kenya | 4.3 | | | | 135 | Serbia | 3.3 | | | |
| 64 | Cameroon | 4.3 | | | | 136 | Mali | 3.3 | | | |
| 65 | Liberia | 4.3 | | | | 137 | Haiti | 3.2 | | | |
| 66 | Trinidad and Tobago | 4.3 | | | | 138 | Timor-Leste | 3.0 | | | |
| 67 | Mexico | 4.3 | | | | 139 | Guinea | 3.0 | | | |
| 68 | Malawi | 4.2 | | | | 140 | Mauritania | 2.7 | | | |
| 69 | Suriname | 4.2 | | | | 141 | Burundi | 2.5 | | | |
| 70 | Slovak Republic | 4.2 | | | | 142 | Yemen | 2.5 | | | |
| 71 | Thailand | 4.2 | | | | 143 | Chad | 2.4 | | | |
| 72 | Swaziland | 4.2 | | | | 144 | Algeria | 2.3 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

7.07 Brain drain

Does your country retain and attract talented people? [1 = no, the best and brightest normally leave to pursue opportunities in other countries; 7 = yes, there are many opportunities for talented people within the country] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.3 | | | | 73 | Benin | 3.4 | | | |
| 2 | Singapore | 5.7 | | | | 74 | Senegal | 3.4 | | | |
| 3 | Qatar | 5.7 | | | | 75 | Turkey | 3.4 | | | |
| 4 | United Kingdom | 5.6 | | | | 76 | Mozambique | 3.4 | | | |
| 5 | United States | 5.6 | | | | 77 | Bolivia | 3.4 | | | |
| 6 | United Arab Emirates | 5.5 | | | | 78 | Estonia | 3.4 | | | |
| 7 | Canada | 5.5 | | | | 79 | Côte d'Ivoire | 3.4 | | | |
| 8 | Hong Kong SAR | 5.4 | | | | 80 | Namibia | 3.3 | | | |
| 9 | Norway | 5.4 | | | | 81 | Uruguay | 3.3 | | | |
| 10 | Netherlands | 5.3 | | | | 82 | Spain | 3.3 | | | |
| 11 | Sweden | 5.2 | | | | 83 | Slovenia | 3.3 | | | |
| 12 | Finland | 5.1 | | | | 84 | Czech Republic | 3.3 | | | |
| 13 | Saudi Arabia | 5.0 | | | | 85 | Seychelles | 3.3 | | | |
| 14 | Chile | 5.0 | | | | 86 | Malawi | 3.3 | | | |
| 15 | Luxembourg | 4.9 | | | | 87 | Timor-Leste | 3.3 | | | |
| 16 | Oman | 4.8 | | | | 88 | Armenia | 3.2 | | | |
| 17 | Korea, Rep. | 4.8 | | | | 89 | Colombia | 3.2 | | | |
| 18 | Bahrain | 4.8 | | | | 90 | Portugal | 3.2 | | | |
| 19 | Rwanda | 4.8 | | | | 91 | Ecuador | 3.2 | | | |
| 20 | Belgium | 4.7 | | | | 92 | Cameroon | 3.2 | | | |
| 21 | Costa Rica | 4.7 | | | | 93 | Cape Verde | 3.2 | | | |
| 22 | Malaysia | 4.7 | | | | 94 | Tanzania | 3.1 | | | |
| 23 | Germany | 4.7 | | | | 95 | Latvia | 3.1 | | | |
| 24 | Barbados | 4.7 | | | | 96 | Albania | 3.1 | | | |
| 25 | Ireland | 4.6 | | | | 97 | Uganda | 3.1 | | | |
| 26 | Iceland | 4.6 | | | | 98 | Vietnam | 3.1 | | | |
| 27 | Brazil | 4.6 | | | | 99 | Nicaragua | 3.0 | | | |
| 28 | Taiwan, China | 4.5 | | | | 100 | Honduras | 3.0 | | | |
| 29 | Panama | 4.5 | | | | 101 | Guinea | 3.0 | | | |
| 30 | India | 4.5 | | | | 102 | Mali | 3.0 | | | |
| 31 | Australia | 4.4 | | | | 103 | Zimbabwe | 3.0 | | | |
| 32 | Austria | 4.4 | | | | 104 | Georgia | 3.0 | | | |
| 33 | Gambia, The | 4.3 | | | | 105 | Jamaica | 3.0 | | | |
| 34 | Denmark | 4.3 | | | | 106 | Paraguay | 3.0 | | | |
| 35 | Cambodia | 4.1 | | | | 107 | Guyana | 3.0 | | | |
| 36 | Thailand | 4.1 | | | | 108 | Poland | 2.9 | | | |
| 37 | Malta | 4.1 | | | | 109 | Iran, Islamic Rep. | 2.9 | | | |
| 38 | Israel | 4.1 | | | | 110 | Mongolia | 2.8 | | | |
| 39 | China | 4.1 | | | | 111 | Russian Federation | 2.8 | | | |
| 40 | Brunei Darussalam | 4.1 | | | | 112 | Chad | 2.8 | | | |
| 41 | Japan | 4.1 | | | | 113 | Bangladesh | 2.8 | | | |
| 42 | Indonesia | 4.0 | | | | 114 | Burkina Faso | 2.8 | | | |
| 43 | Peru | 3.9 | | | | 115 | Italy | 2.8 | | | |
| 44 | Botswana | 3.8 | | | | 116 | Madagascar | 2.7 | | | |
| 45 | Kuwait | 3.8 | | | | 117 | Lithuania | 2.7 | | | |
| 46 | Sri Lanka | 3.8 | | | | 118 | Ethiopia | 2.7 | | | |
| 47 | South Africa | 3.8 | | | | 119 | Mauritania | 2.5 | | | |
| 48 | Nigeria | 3.8 | | | | 120 | Lebanon | 2.5 | | | |
| 49 | Liberia | 3.8 | | | | 121 | Nepal | 2.5 | | | |
| 50 | France | 3.7 | | | | 122 | Slovak Republic | 2.5 | | | |
| 51 | Guatemala | 3.7 | | | | 123 | Greece | 2.4 | | | |
| 52 | Jordan | 3.7 | | | | 124 | El Salvador | 2.4 | | | |
| 53 | Ghana | 3.6 | | | | 125 | Libya | 2.4 | | | |
| 54 | Mexico | 3.6 | | | | 126 | Croatia | 2.4 | | | |
| 55 | Morocco | 3.6 | | | | 127 | Swaziland | 2.4 | | | |
| 56 | Trinidad and Tobago | 3.6 | | | | 128 | Bulgaria | 2.4 | | | |
| 57 | Cyprus | 3.6 | | | | 129 | Hungary | 2.3 | | | |
| 58 | New Zealand | 3.6 | | | | 130 | Sierra Leone | 2.3 | | | |
| 59 | Dominican Republic | 3.6 | | | | 131 | Ukraine | 2.3 | | | |
| 60 | Montenegro | 3.6 | | | | 132 | Egypt | 2.2 | | | |
| 61 | Tajikistan | 3.5 | | | | 133 | Yemen | 2.2 | | | |
| 62 | Pakistan | 3.5 | | | | 134 | Lesotho | 2.1 | | | |
| 63 | Puerto Rico | 3.5 | | | | 135 | Macedonia, FYR | 2.1 | | | |
| 64 | Suriname | 3.5 | | | | 136 | Romania | 2.1 | | | |
| 65 | Gabon | 3.5 | | | | 137 | Moldova | 2.1 | | | |
| 66 | Mauritius | 3.4 | | | | 138 | Venezuela | 2.0 | | | |
| 67 | Kenya | 3.4 | | | | 139 | Kyrgyz Republic | 2.0 | | | |
| 68 | Argentina | 3.4 | | | | 140 | Bosnia and Herzegovina | 1.9 | | | |
| 69 | Zambia | 3.4 | | | | 141 | Serbia | 1.9 | | | |
| 70 | Azerbaijan | 3.4 | | | | 142 | Burundi | 1.7 | | | |
| 71 | Philippines | 3.4 | | | | 143 | Haiti | 1.6 | | | |
| 72 | Kazakhstan | 3.4 | | | | 144 | Algeria | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

7.08 Female participation in labor force

Ratio of women to men in the labor force* | 2010

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------|-------|------|--------------------------|-------|
| 1 | Malawi | 1.06 | 73 | Romania | 0.78 |
| 2 | Mozambique | 1.05 | 74 | Uruguay | 0.78 |
| 3 | Burundi | 1.03 | 75 | Czech Republic | 0.78 |
| 4 | Rwanda | 1.02 | 76 | Tajikistan | 0.78 |
| 5 | Tanzania | 0.99 | 77 | Montenegro | 0.77 |
| 6 | Sierra Leone | 0.97 | 77 | Serbia | 0.77 |
| 7 | Uganda | 0.96 | 79 | Georgia | 0.77 |
| 8 | Madagascar | 0.95 | 80 | Nigeria | 0.76 |
| 9 | Lithuania | 0.95 | 81 | Singapore | 0.76 |
| 10 | Ghana | 0.95 | 82 | Hong Kong SAR | 0.76 |
| 11 | Finland | 0.95 | 83 | Brazil | 0.76 |
| 12 | Iceland | 0.94 | 84 | Taiwan, China | 0.75 |
| 13 | Nepal | 0.94 | 85 | South Africa | 0.75 |
| 14 | Norway | 0.94 | 86 | Senegal | 0.75 |
| 15 | Cambodia | 0.93 | 87 | Japan | 0.74 |
| 16 | Latvia | 0.93 | 88 | Armenia | 0.74 |
| 17 | Sweden | 0.93 | 89 | Greece | 0.73 |
| 18 | Zimbabwe | 0.93 | 90 | Brunei Darussalam | 0.73 |
| 19 | Vietnam | 0.92 | 91 | Trinidad and Tobago | 0.73 |
| 20 | Estonia | 0.92 | 92 | Albania | 0.72 |
| 21 | Azerbaijan | 0.92 | 93 | Kyrgyz Republic | 0.72 |
| 22 | Denmark | 0.92 | 94 | Korea, Rep. | 0.72 |
| 23 | Liberia | 0.92 | 95 | Colombia | 0.72 |
| 24 | Kazakhstan | 0.91 | 96 | Timor-Leste ¹ | 0.71 |
| 25 | Canada | 0.91 | 97 | Italy | 0.69 |
| 26 | Moldova | 0.91 | 98 | Bangladesh | 0.69 |
| 27 | Botswana | 0.90 | 99 | Puerto Rico | 0.68 |
| 28 | Barbados | 0.90 | 100 | Paraguay | 0.68 |
| 29 | Slovenia | 0.89 | 101 | Argentina | 0.67 |
| 30 | Portugal | 0.89 | 102 | Ecuador | 0.67 |
| 31 | Israel | 0.89 | 103 | Dominican Republic | 0.66 |
| 32 | Ethiopia | 0.89 | 104 | Chile | 0.66 |
| 33 | France | 0.88 | 105 | Venezuela | 0.66 |
| 34 | China | 0.88 | 106 | Macedonia, FYR | 0.65 |
| 35 | Gambia, The | 0.88 | 107 | Côte d'Ivoire | 0.64 |
| 36 | Burkina Faso | 0.88 | 108 | Cape Verde | 0.64 |
| 37 | Bulgaria | 0.88 | 109 | Philippines | 0.63 |
| 38 | Russian Federation | 0.87 | 110 | Bosnia and Herzegovina | 0.63 |
| 39 | Benin | 0.87 | 111 | Swaziland | 0.63 |
| 40 | Haiti | 0.87 | 112 | El Salvador | 0.62 |
| 41 | Netherlands | 0.87 | 113 | Indonesia | 0.62 |
| 42 | Switzerland | 0.86 | 114 | Panama | 0.62 |
| 43 | Seychelles | 0.86 | 115 | Suriname | 0.60 |
| 44 | United States | 0.86 | 116 | Mauritius | 0.60 |
| 45 | Gabon | 0.86 | 117 | Costa Rica | 0.60 |
| 46 | New Zealand | 0.86 | 118 | Nicaragua | 0.59 |
| 47 | Kenya | 0.86 | 119 | Malaysia | 0.59 |
| 48 | Austria | 0.86 | 120 | Guatemala | 0.56 |
| 49 | Germany | 0.86 | 121 | Mexico | 0.56 |
| 50 | Ukraine | 0.86 | 122 | Qatar | 0.55 |
| 51 | Zambia | 0.85 | 123 | Malta | 0.55 |
| 52 | United Kingdom | 0.85 | 124 | Mali | 0.53 |
| 53 | Cameroon | 0.85 | 125 | Kuwait | 0.53 |
| 54 | Cyprus | 0.85 | 126 | Guyana | 0.53 |
| 55 | Mongolia | 0.85 | 127 | Honduras | 0.52 |
| 56 | Namibia | 0.84 | 128 | United Arab Emirates | 0.48 |
| 57 | Australia | 0.84 | 129 | Sri Lanka | 0.47 |
| 58 | Croatia | 0.84 | 130 | Bahrain | 0.46 |
| 59 | Belgium | 0.84 | 131 | Turkey | 0.40 |
| 60 | Guinea | 0.84 | 132 | Libya | 0.40 |
| 61 | Hungary | 0.83 | 133 | India | 0.36 |
| 62 | Thailand | 0.82 | 134 | Mauritania | 0.36 |
| 63 | Spain | 0.82 | 135 | Oman | 0.36 |
| 64 | Jamaica | 0.82 | 136 | Yemen | 0.35 |
| 65 | Poland | 0.81 | 137 | Morocco | 0.34 |
| 66 | Chad | 0.81 | 138 | Lebanon | 0.33 |
| 67 | Peru | 0.81 | 139 | Egypt | 0.32 |
| 68 | Slovak Republic | 0.81 | 140 | Pakistan | 0.27 |
| 69 | Lesotho | 0.81 | 141 | Saudi Arabia | 0.24 |
| 70 | Ireland | 0.80 | 142 | Jordan | 0.24 |
| 71 | Bolivia | 0.80 | 143 | Iran, Islamic Rep. | 0.23 |
| 72 | Luxembourg | 0.79 | 144 | Algeria | 0.21 |

SOURCE: International Labour Organization, *Key Indicators of the Labor Markets Net* (accessed June 5, 2012); national sources

¹ 2009

Pillar 8

Financial market development

8.01 Availability of financial services

Does the financial sector in your country provide a wide variety of financial products and services to businesses? [1 = not at all; 7 = provides a wide variety] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.5 | | | | 73 | Uganda | 4.5 | | | |
| 2 | South Africa | 6.4 | | | | 74 | Lithuania | 4.5 | | | |
| 3 | United Kingdom | 6.4 | | | | 75 | Zambia | 4.5 | | | |
| 4 | Panama | 6.3 | | | | 76 | Armenia | 4.5 | | | |
| 5 | Canada | 6.2 | | | | 77 | Costa Rica | 4.5 | | | |
| 6 | Netherlands | 6.2 | | | | 78 | Ireland | 4.5 | | | |
| 7 | Hong Kong SAR | 6.2 | | | | 79 | Kazakhstan | 4.5 | | | |
| 8 | Luxembourg | 6.2 | | | | 80 | Cambodia | 4.4 | | | |
| 9 | Singapore | 6.1 | | | | 81 | Vietnam | 4.3 | | | |
| 10 | Sweden | 6.0 | | | | 82 | Trinidad and Tobago | 4.3 | | | |
| 11 | Belgium | 6.0 | | | | 83 | Senegal | 4.3 | | | |
| 12 | United States | 6.0 | | | | 84 | Montenegro | 4.3 | | | |
| 13 | Norway | 5.9 | | | | 85 | Ghana | 4.3 | | | |
| 14 | Bahrain | 5.9 | | | | 86 | Seychelles | 4.3 | | | |
| 15 | Austria | 5.9 | | | | 87 | Swaziland | 4.2 | | | |
| 16 | Finland | 5.9 | | | | 88 | Egypt | 4.2 | | | |
| 17 | Chile | 5.8 | | | | 89 | Korea, Rep. | 4.2 | | | |
| 18 | Germany | 5.8 | | | | 90 | Greece | 4.2 | | | |
| 19 | Australia | 5.8 | | | | 91 | Croatia | 4.1 | | | |
| 20 | New Zealand | 5.8 | | | | 92 | Slovenia | 4.1 | | | |
| 21 | Qatar | 5.7 | | | | 93 | Ecuador | 4.1 | | | |
| 22 | Puerto Rico | 5.7 | | | | 94 | Uruguay | 4.1 | | | |
| 23 | Taiwan, China | 5.6 | | | | 95 | Pakistan | 4.0 | | | |
| 24 | Malaysia | 5.6 | | | | 96 | Liberia | 4.0 | | | |
| 25 | France | 5.6 | | | | 97 | Serbia | 4.0 | | | |
| 26 | Brazil | 5.5 | | | | 98 | Bangladesh | 4.0 | | | |
| 27 | United Arab Emirates | 5.5 | | | | 99 | Cameroon | 3.9 | | | |
| 28 | Spain | 5.4 | | | | 100 | Georgia | 3.9 | | | |
| 29 | Turkey | 5.4 | | | | 101 | Nepal | 3.9 | | | |
| 30 | Denmark | 5.3 | | | | 102 | Tanzania | 3.9 | | | |
| 31 | Saudi Arabia | 5.3 | | | | 103 | Tajikistan | 3.9 | | | |
| 32 | Portugal | 5.3 | | | | 104 | Malawi | 3.8 | | | |
| 33 | Sri Lanka | 5.3 | | | | 105 | Iceland | 3.8 | | | |
| 34 | Malta | 5.3 | | | | 106 | Nigeria | 3.8 | | | |
| 35 | Cyprus | 5.2 | | | | 107 | Macedonia, FYR | 3.8 | | | |
| 36 | Japan | 5.2 | | | | 108 | Albania | 3.8 | | | |
| 37 | Israel | 5.1 | | | | 109 | Romania | 3.8 | | | |
| 38 | Guatemala | 5.1 | | | | 110 | Bulgaria | 3.8 | | | |
| 39 | Barbados | 5.1 | | | | 111 | Mongolia | 3.8 | | | |
| 40 | Thailand | 5.1 | | | | 112 | Mali | 3.8 | | | |
| 41 | Honduras | 5.1 | | | | 113 | Ukraine | 3.8 | | | |
| 42 | Slovak Republic | 5.1 | | | | 114 | Mozambique | 3.8 | | | |
| 43 | Estonia | 5.0 | | | | 115 | Nicaragua | 3.8 | | | |
| 44 | India | 5.0 | | | | 116 | Cape Verde | 3.7 | | | |
| 45 | Czech Republic | 5.0 | | | | 117 | Russian Federation | 3.7 | | | |
| 46 | Peru | 5.0 | | | | 118 | Moldova | 3.7 | | | |
| 47 | Mauritius | 5.0 | | | | 119 | Azerbaijan | 3.7 | | | |
| 48 | Dominican Republic | 5.0 | | | | 120 | Zimbabwe | 3.7 | | | |
| 49 | Lebanon | 5.0 | | | | 121 | Bosnia and Herzegovina | 3.7 | | | |
| 50 | Philippines | 5.0 | | | | 122 | Venezuela | 3.7 | | | |
| 51 | Rwanda | 4.9 | | | | 123 | Suriname | 3.7 | | | |
| 52 | Oman | 4.9 | | | | 124 | Gabon | 3.6 | | | |
| 53 | Hungary | 4.9 | | | | 125 | Mauritania | 3.6 | | | |
| 54 | El Salvador | 4.9 | | | | 126 | Bolivia | 3.5 | | | |
| 55 | Namibia | 4.9 | | | | 127 | Burkina Faso | 3.5 | | | |
| 56 | Poland | 4.8 | | | | 128 | Benin | 3.5 | | | |
| 57 | Brunei Darussalam | 4.8 | | | | 129 | Argentina | 3.4 | | | |
| 58 | Indonesia | 4.8 | | | | 130 | Côte d'Ivoire | 3.4 | | | |
| 59 | Morocco | 4.7 | | | | 131 | Lesotho | 3.4 | | | |
| 60 | Mexico | 4.7 | | | | 132 | Madagascar | 3.4 | | | |
| 61 | Kuwait | 4.7 | | | | 133 | Guinea | 3.3 | | | |
| 62 | Italy | 4.7 | | | | 134 | Sierra Leone | 3.3 | | | |
| 63 | Kenya | 4.7 | | | | 135 | Iran, Islamic Rep. | 3.2 | | | |
| 64 | Jamaica | 4.7 | | | | 136 | Kyrgyz Republic | 3.2 | | | |
| 65 | Latvia | 4.7 | | | | 137 | Ethiopia | 3.0 | | | |
| 66 | Colombia | 4.7 | | | | 138 | Haiti | 3.0 | | | |
| 67 | Jordan | 4.6 | | | | 139 | Chad | 2.9 | | | |
| 68 | China | 4.6 | | | | 140 | Libya | 2.8 | | | |
| 69 | Gambia, The | 4.6 | | | | 141 | Yemen | 2.8 | | | |
| 70 | Guyana | 4.6 | | | | 142 | Timor-Leste | 2.7 | | | |
| 71 | Paraguay | 4.6 | | | | 143 | Algeria | 2.6 | | | |
| 72 | Botswana | 4.6 | | | | 144 | Burundi | 2.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.02 Affordability of financial services

To what extent does competition among providers of financial services in your country ensure the provision of financial services at affordable prices? [1 = not at all; 7 = extremely well] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.2 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Hong Kong SAR | 6.0 | | | | 73 | Lithuania | 4.1 | | | |
| 2 | Panama | 6.0 | | | | 74 | Zambia | 4.1 | | | |
| 3 | Luxembourg | 5.9 | | | | 75 | Botswana | 4.1 | | | |
| 4 | Taiwan, China | 5.9 | | | | 76 | Rwanda | 4.0 | | | |
| 5 | Singapore | 5.8 | | | | 77 | Vietnam | 4.0 | | | |
| 6 | Qatar | 5.8 | | | | 78 | Kazakhstan | 4.0 | | | |
| 7 | Bahrain | 5.8 | | | | 79 | Israel | 4.0 | | | |
| 8 | Switzerland | 5.6 | | | | 80 | Uganda | 4.0 | | | |
| 9 | Finland | 5.5 | | | | 81 | Ghana | 4.0 | | | |
| 10 | Norway | 5.4 | | | | 82 | Namibia | 4.0 | | | |
| 11 | Malaysia | 5.4 | | | | 83 | Seychelles | 4.0 | | | |
| 12 | Puerto Rico | 5.4 | | | | 84 | Senegal | 3.9 | | | |
| 13 | United States | 5.3 | | | | 85 | Georgia | 3.9 | | | |
| 14 | Saudi Arabia | 5.3 | | | | 86 | Liberia | 3.9 | | | |
| 15 | United Kingdom | 5.3 | | | | 87 | Colombia | 3.9 | | | |
| 16 | Canada | 5.3 | | | | 88 | Tajikistan | 3.9 | | | |
| 17 | Netherlands | 5.2 | | | | 89 | Malawi | 3.9 | | | |
| 18 | United Arab Emirates | 5.2 | | | | 90 | Ireland | 3.8 | | | |
| 19 | Austria | 5.2 | | | | 91 | Swaziland | 3.8 | | | |
| 20 | New Zealand | 5.2 | | | | 92 | Jamaica | 3.8 | | | |
| 21 | Chile | 5.2 | | | | 93 | Cape Verde | 3.8 | | | |
| 22 | South Africa | 5.2 | | | | 94 | Mali | 3.8 | | | |
| 23 | Oman | 5.1 | | | | 95 | Slovenia | 3.8 | | | |
| 24 | Sweden | 5.1 | | | | 96 | Nepal | 3.7 | | | |
| 25 | Belgium | 5.1 | | | | 97 | Greece | 3.7 | | | |
| 26 | Germany | 5.1 | | | | 98 | Hungary | 3.7 | | | |
| 27 | Turkey | 5.1 | | | | 99 | Pakistan | 3.7 | | | |
| 28 | France | 5.0 | | | | 100 | Serbia | 3.7 | | | |
| 29 | Japan | 5.0 | | | | 101 | Ecuador | 3.7 | | | |
| 30 | Sri Lanka | 5.0 | | | | 102 | Bangladesh | 3.7 | | | |
| 31 | Guatemala | 4.9 | | | | 103 | Romania | 3.7 | | | |
| 32 | Malta | 4.9 | | | | 104 | Croatia | 3.6 | | | |
| 33 | India | 4.9 | | | | 105 | Czech Republic | 3.6 | | | |
| 34 | Philippines | 4.8 | | | | 106 | Tanzania | 3.6 | | | |
| 35 | Thailand | 4.8 | | | | 107 | Cameroon | 3.6 | | | |
| 36 | Australia | 4.8 | | | | 108 | Nicaragua | 3.6 | | | |
| 37 | Lebanon | 4.7 | | | | 109 | Trinidad and Tobago | 3.6 | | | |
| 38 | Gambia, The | 4.6 | | | | 110 | Bolivia | 3.5 | | | |
| 39 | Peru | 4.6 | | | | 111 | Ukraine | 3.5 | | | |
| 40 | Spain | 4.6 | | | | 112 | Venezuela | 3.5 | | | |
| 41 | Mauritius | 4.6 | | | | 113 | Bosnia and Herzegovina | 3.5 | | | |
| 42 | Korea, Rep. | 4.6 | | | | 114 | Mauritania | 3.5 | | | |
| 43 | Portugal | 4.6 | | | | 115 | Mongolia | 3.5 | | | |
| 44 | Denmark | 4.6 | | | | 116 | Macedonia, FYR | 3.5 | | | |
| 45 | Brunei Darussalam | 4.6 | | | | 117 | Moldova | 3.4 | | | |
| 46 | China | 4.6 | | | | 118 | Russian Federation | 3.4 | | | |
| 47 | Paraguay | 4.5 | | | | 119 | Iceland | 3.4 | | | |
| 48 | Armenia | 4.5 | | | | 120 | Suriname | 3.4 | | | |
| 49 | Honduras | 4.5 | | | | 121 | Gabon | 3.4 | | | |
| 50 | Cyprus | 4.5 | | | | 122 | Italy | 3.4 | | | |
| 51 | Barbados | 4.5 | | | | 123 | Bulgaria | 3.4 | | | |
| 52 | Jordan | 4.4 | | | | 124 | Benin | 3.3 | | | |
| 53 | Poland | 4.4 | | | | 125 | Albania | 3.3 | | | |
| 54 | Kenya | 4.4 | | | | 126 | Mozambique | 3.3 | | | |
| 55 | Morocco | 4.4 | | | | 127 | Zimbabwe | 3.3 | | | |
| 56 | Indonesia | 4.4 | | | | 128 | Iran, Islamic Rep. | 3.3 | | | |
| 57 | Costa Rica | 4.4 | | | | 129 | Guinea | 3.2 | | | |
| 58 | Latvia | 4.4 | | | | 130 | Madagascar | 3.2 | | | |
| 59 | Estonia | 4.3 | | | | 131 | Côte d'Ivoire | 3.2 | | | |
| 60 | Kuwait | 4.3 | | | | 132 | Burkina Faso | 3.2 | | | |
| 61 | Uruguay | 4.3 | | | | 133 | Ethiopia | 3.2 | | | |
| 62 | Brazil | 4.3 | | | | 134 | Lesotho | 3.1 | | | |
| 63 | Cambodia | 4.2 | | | | 135 | Sierra Leone | 3.1 | | | |
| 64 | El Salvador | 4.2 | | | | 136 | Argentina | 3.1 | | | |
| 65 | Dominican Republic | 4.2 | | | | 137 | Kyrgyz Republic | 2.9 | | | |
| 66 | Mexico | 4.1 | | | | 138 | Timor-Leste | 2.8 | | | |
| 67 | Slovak Republic | 4.1 | | | | 139 | Haiti | 2.7 | | | |
| 68 | Nigeria | 4.1 | | | | 140 | Yemen | 2.7 | | | |
| 69 | Montenegro | 4.1 | | | | 141 | Chad | 2.7 | | | |
| 70 | Azerbaijan | 4.1 | | | | 142 | Burundi | 2.5 | | | |
| 71 | Egypt | 4.1 | | | | 143 | Libya | 2.5 | | | |
| 72 | Guyana | 4.1 | | | | 144 | Algeria | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.03 Financing through local equity market

How easy is it to raise money by issuing shares on the stock market in your country? [1 = very difficult; 7 = very easy] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.5 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Hong Kong SAR | 5.7 | | | | 73 | Paraguay | 3.4 | | | |
| 2 | Sri Lanka | 5.5 | | | | 74 | Tanzania | 3.4 | | | |
| 3 | South Africa | 5.4 | | | | 75 | Ecuador | 3.3 | | | |
| 4 | Taiwan, China | 5.3 | | | | 76 | Puerto Rico | 3.3 | | | |
| 5 | Qatar | 5.1 | | | | 77 | Guyana | 3.3 | | | |
| 6 | Singapore | 5.1 | | | | 78 | Czech Republic | 3.3 | | | |
| 7 | Norway | 5.0 | | | | 79 | Burkina Faso | 3.3 | | | |
| 8 | United Kingdom | 5.0 | | | | 80 | Romania | 3.3 | | | |
| 9 | Malaysia | 4.9 | | | | 81 | Cameroon | 3.2 | | | |
| 10 | Canada | 4.9 | | | | 82 | Lithuania | 3.2 | | | |
| 11 | Sweden | 4.8 | | | | 83 | Cape Verde | 3.2 | | | |
| 12 | France | 4.7 | | | | 84 | Bulgaria | 3.2 | | | |
| 13 | Australia | 4.7 | | | | 85 | Cyprus | 3.2 | | | |
| 14 | Saudi Arabia | 4.7 | | | | 86 | Trinidad and Tobago | 3.1 | | | |
| 15 | Switzerland | 4.7 | | | | 87 | Tajikistan | 3.1 | | | |
| 16 | Chile | 4.6 | | | | 88 | Gabon | 3.1 | | | |
| 17 | Japan | 4.6 | | | | 89 | Bosnia and Herzegovina | 3.1 | | | |
| 18 | United States | 4.6 | | | | 90 | Macedonia, FYR | 3.1 | | | |
| 19 | India | 4.6 | | | | 91 | Barbados | 3.1 | | | |
| 20 | Finland | 4.5 | | | | 92 | Ethiopia | 3.1 | | | |
| 21 | Oman | 4.5 | | | | 93 | Mali | 3.1 | | | |
| 22 | New Zealand | 4.5 | | | | 94 | Ireland | 3.1 | | | |
| 23 | Bahrain | 4.5 | | | | 95 | Suriname | 3.1 | | | |
| 24 | Malta | 4.4 | | | | 96 | Spain | 3.0 | | | |
| 25 | Netherlands | 4.4 | | | | 97 | Portugal | 3.0 | | | |
| 26 | Kenya | 4.4 | | | | 98 | Liberia | 3.0 | | | |
| 27 | Thailand | 4.4 | | | | 99 | Iceland | 3.0 | | | |
| 28 | United Arab Emirates | 4.4 | | | | 100 | Russian Federation | 3.0 | | | |
| 29 | Luxembourg | 4.4 | | | | 101 | Senegal | 3.0 | | | |
| 30 | Indonesia | 4.4 | | | | 102 | Benin | 3.0 | | | |
| 31 | Morocco | 4.3 | | | | 103 | Latvia | 3.0 | | | |
| 32 | Turkey | 4.3 | | | | 104 | El Salvador | 2.9 | | | |
| 33 | Germany | 4.3 | | | | 105 | Croatia | 2.9 | | | |
| 34 | Panama | 4.3 | | | | 106 | Nicaragua | 2.9 | | | |
| 35 | Israel | 4.2 | | | | 107 | Mongolia | 2.8 | | | |
| 36 | Philippines | 4.2 | | | | 108 | Cambodia | 2.8 | | | |
| 37 | Egypt | 4.2 | | | | 109 | Kazakhstan | 2.8 | | | |
| 38 | Jamaica | 4.1 | | | | 110 | Lebanon | 2.7 | | | |
| 39 | Belgium | 4.1 | | | | 111 | Mauritania | 2.7 | | | |
| 40 | Brazil | 4.1 | | | | 112 | Slovenia | 2.7 | | | |
| 41 | Ghana | 4.0 | | | | 113 | Dominican Republic | 2.7 | | | |
| 42 | Bangladesh | 4.0 | | | | 114 | Hungary | 2.7 | | | |
| 43 | Mauritius | 4.0 | | | | 115 | Armenia | 2.7 | | | |
| 44 | Nepal | 3.9 | | | | 116 | Seychelles | 2.7 | | | |
| 45 | Jordan | 3.9 | | | | 117 | Slovak Republic | 2.6 | | | |
| 46 | China | 3.9 | | | | 118 | Swaziland | 2.6 | | | |
| 47 | Côte d'Ivoire | 3.9 | | | | 119 | Mozambique | 2.6 | | | |
| 48 | Malawi | 3.9 | | | | 120 | Chad | 2.5 | | | |
| 49 | Botswana | 3.9 | | | | 121 | Greece | 2.5 | | | |
| 50 | Zambia | 3.8 | | | | 122 | Costa Rica | 2.5 | | | |
| 51 | Nigeria | 3.8 | | | | 123 | Argentina | 2.5 | | | |
| 52 | Colombia | 3.8 | | | | 124 | Serbia | 2.4 | | | |
| 53 | Austria | 3.8 | | | | 125 | Brunei Darussalam | 2.4 | | | |
| 54 | Pakistan | 3.8 | | | | 126 | Georgia | 2.4 | | | |
| 55 | Denmark | 3.8 | | | | 127 | Moldova | 2.4 | | | |
| 56 | Rwanda | 3.7 | | | | 128 | Guatemala | 2.3 | | | |
| 57 | Kuwait | 3.7 | | | | 129 | Ukraine | 2.3 | | | |
| 58 | Poland | 3.7 | | | | 130 | Timor-Leste | 2.2 | | | |
| 59 | Bolivia | 3.6 | | | | 131 | Algeria | 2.2 | | | |
| 60 | Mexico | 3.6 | | | | 132 | Guinea | 2.2 | | | |
| 61 | Peru | 3.6 | | | | 133 | Libya | 2.1 | | | |
| 62 | Estonia | 3.6 | | | | 134 | Uruguay | 2.1 | | | |
| 63 | Azerbaijan | 3.5 | | | | 135 | Lesotho | 2.1 | | | |
| 64 | Montenegro | 3.5 | | | | 136 | Madagascar | 2.1 | | | |
| 65 | Iran, Islamic Rep. | 3.5 | | | | 137 | Sierra Leone | 2.1 | | | |
| 66 | Gambia, The | 3.5 | | | | 138 | Honduras | 2.0 | | | |
| 67 | Korea, Rep. | 3.5 | | | | 139 | Kyrgyz Republic | 2.0 | | | |
| 68 | Uganda | 3.5 | | | | 140 | Venezuela | 1.8 | | | |
| 69 | Zimbabwe | 3.4 | | | | 141 | Burundi | 1.8 | | | |
| 70 | Vietnam | 3.4 | | | | 142 | Yemen | 1.7 | | | |
| 71 | Italy | 3.4 | | | | 143 | Albania | 1.6 | | | |
| 72 | Namibia | 3.4 | | | | 144 | Haiti | 1.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.04 Ease of access to loans

How easy is it to obtain a bank loan in your country with only a good business plan and no collateral? [1 = very difficult; 7 = very easy] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 2.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 2.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Qatar | 4.9 | | | | 73 | Gambia, The | 2.7 | | | |
| 2 | Bahrain | 4.8 | | | | 74 | El Salvador | 2.7 | | | |
| 3 | Singapore | 4.7 | | | | 75 | Romania | 2.7 | | | |
| 4 | Sweden | 4.6 | | | | 76 | Guyana | 2.7 | | | |
| 5 | United Arab Emirates | 4.5 | | | | 77 | Trinidad and Tobago | 2.7 | | | |
| 6 | Norway | 4.4 | | | | 78 | Iceland | 2.7 | | | |
| 7 | Hong Kong SAR | 4.4 | | | | 79 | Barbados | 2.7 | | | |
| 8 | Malaysia | 4.4 | | | | 80 | Zambia | 2.6 | | | |
| 9 | Finland | 4.4 | | | | 81 | Nicaragua | 2.6 | | | |
| 10 | New Zealand | 4.2 | | | | 82 | Mexico | 2.6 | | | |
| 11 | Oman | 4.2 | | | | 83 | Madagascar | 2.6 | | | |
| 12 | Panama | 4.1 | | | | 84 | Egypt | 2.6 | | | |
| 13 | Luxembourg | 4.1 | | | | 85 | Uruguay | 2.6 | | | |
| 14 | Saudi Arabia | 4.1 | | | | 86 | Russian Federation | 2.6 | | | |
| 15 | Taiwan, China | 3.9 | | | | 87 | Gabon | 2.6 | | | |
| 16 | Indonesia | 3.9 | | | | 88 | Sri Lanka | 2.6 | | | |
| 17 | Malta | 3.9 | | | | 89 | Poland | 2.5 | | | |
| 18 | Canada | 3.8 | | | | 90 | Dominican Republic | 2.5 | | | |
| 19 | Belgium | 3.8 | | | | 91 | Nepal | 2.5 | | | |
| 20 | United States | 3.8 | | | | 92 | Venezuela | 2.5 | | | |
| 21 | Chile | 3.7 | | | | 93 | Georgia | 2.5 | | | |
| 22 | Netherlands | 3.7 | | | | 94 | Croatia | 2.5 | | | |
| 23 | Australia | 3.7 | | | | 95 | Timor-Leste | 2.4 | | | |
| 24 | Switzerland | 3.7 | | | | 96 | Moldova | 2.4 | | | |
| 25 | Kenya | 3.6 | | | | 97 | Cameroon | 2.4 | | | |
| 26 | Peru | 3.6 | | | | 98 | Bangladesh | 2.4 | | | |
| 27 | Bolivia | 3.6 | | | | 99 | Mali | 2.4 | | | |
| 28 | Thailand | 3.6 | | | | 100 | Tanzania | 2.4 | | | |
| 29 | Brunei Darussalam | 3.5 | | | | 101 | Libya | 2.4 | | | |
| 30 | South Africa | 3.5 | | | | 102 | Swaziland | 2.4 | | | |
| 31 | Liberia | 3.5 | | | | 103 | Suriname | 2.4 | | | |
| 32 | Rwanda | 3.4 | | | | 104 | Vietnam | 2.4 | | | |
| 33 | Cyprus | 3.4 | | | | 105 | Serbia | 2.4 | | | |
| 34 | Israel | 3.4 | | | | 106 | Lithuania | 2.3 | | | |
| 35 | Botswana | 3.4 | | | | 107 | Ukraine | 2.3 | | | |
| 36 | Seychelles | 3.4 | | | | 108 | Lesotho | 2.3 | | | |
| 37 | Mauritius | 3.4 | | | | 109 | Portugal | 2.3 | | | |
| 38 | India | 3.3 | | | | 110 | Kazakhstan | 2.3 | | | |
| 39 | Montenegro | 3.3 | | | | 111 | Costa Rica | 2.3 | | | |
| 40 | Bulgaria | 3.3 | | | | 112 | Malawi | 2.3 | | | |
| 41 | Paraguay | 3.2 | | | | 113 | Benin | 2.3 | | | |
| 42 | Lebanon | 3.2 | | | | 114 | Hungary | 2.3 | | | |
| 43 | Austria | 3.2 | | | | 115 | Korea, Rep. | 2.2 | | | |
| 44 | Germany | 3.2 | | | | 116 | Cape Verde | 2.2 | | | |
| 45 | Jordan | 3.2 | | | | 117 | Senegal | 2.2 | | | |
| 46 | Philippines | 3.1 | | | | 118 | Slovenia | 2.2 | | | |
| 47 | Cambodia | 3.1 | | | | 119 | Zimbabwe | 2.2 | | | |
| 48 | United Kingdom | 3.1 | | | | 120 | Chad | 2.2 | | | |
| 49 | Tajikistan | 3.1 | | | | 121 | Nigeria | 2.1 | | | |
| 50 | China | 3.1 | | | | 122 | Spain | 2.1 | | | |
| 51 | Brazil | 3.1 | | | | 123 | Bosnia and Herzegovina | 2.0 | | | |
| 52 | Kuwait | 3.1 | | | | 124 | Guinea | 2.0 | | | |
| 53 | Guatemala | 3.1 | | | | 125 | Ghana | 2.0 | | | |
| 54 | Colombia | 3.1 | | | | 126 | Italy | 2.0 | | | |
| 55 | Denmark | 3.1 | | | | 127 | Jamaica | 2.0 | | | |
| 56 | Japan | 3.1 | | | | 128 | Algeria | 2.0 | | | |
| 57 | Azerbaijan | 3.0 | | | | 129 | Sierra Leone | 2.0 | | | |
| 58 | Slovak Republic | 3.0 | | | | 130 | Mauritania | 1.9 | | | |
| 59 | Morocco | 3.0 | | | | 131 | Mozambique | 1.9 | | | |
| 60 | Uganda | 3.0 | | | | 132 | Côte d'Ivoire | 1.9 | | | |
| 61 | France | 3.0 | | | | 133 | Ethiopia | 1.9 | | | |
| 62 | Turkey | 3.0 | | | | 134 | Ireland | 1.8 | | | |
| 63 | Puerto Rico | 2.9 | | | | 135 | Mongolia | 1.8 | | | |
| 64 | Namibia | 2.9 | | | | 136 | Albania | 1.8 | | | |
| 65 | Pakistan | 2.9 | | | | 137 | Kyrgyz Republic | 1.7 | | | |
| 66 | Czech Republic | 2.9 | | | | 138 | Greece | 1.7 | | | |
| 67 | Estonia | 2.8 | | | | 139 | Argentina | 1.7 | | | |
| 68 | Ecuador | 2.8 | | | | 140 | Burkina Faso | 1.7 | | | |
| 69 | Armenia | 2.8 | | | | 141 | Iran, Islamic Rep. | 1.7 | | | |
| 70 | Macedonia, FYR | 2.8 | | | | 142 | Haiti | 1.6 | | | |
| 71 | Honduras | 2.8 | | | | 143 | Yemen | 1.5 | | | |
| 72 | Latvia | 2.8 | | | | 144 | Burundi | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.05 Venture capital availability

In your country, how easy is it for entrepreneurs with innovative but risky projects to find venture capital? [1 = very difficult; 7 = very easy] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 2.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 2.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Qatar | 4.7 | | | | 73 | Turkey | 2.5 | | | |
| 2 | Hong Kong SAR | 4.5 | | | | 74 | Uganda | 2.5 | | | |
| 3 | Israel | 4.5 | | | | 75 | Spain | 2.5 | | | |
| 4 | Singapore | 4.4 | | | | 76 | Romania | 2.5 | | | |
| 5 | Sweden | 4.4 | | | | 77 | Uruguay | 2.5 | | | |
| 6 | Norway | 4.3 | | | | 78 | Zambia | 2.5 | | | |
| 7 | Bahrain | 4.3 | | | | 79 | Honduras | 2.5 | | | |
| 8 | United Arab Emirates | 4.1 | | | | 80 | Tanzania | 2.4 | | | |
| 9 | Taiwan, China | 4.1 | | | | 81 | Seychelles | 2.4 | | | |
| 10 | United States | 4.1 | | | | 82 | Namibia | 2.4 | | | |
| 11 | Malaysia | 4.0 | | | | 83 | Nepal | 2.4 | | | |
| 12 | Luxembourg | 3.9 | | | | 84 | Czech Republic | 2.4 | | | |
| 13 | Finland | 3.9 | | | | 85 | Russian Federation | 2.4 | | | |
| 14 | Oman | 3.8 | | | | 86 | Lithuania | 2.4 | | | |
| 15 | Netherlands | 3.8 | | | | 87 | Trinidad and Tobago | 2.4 | | | |
| 16 | United Kingdom | 3.8 | | | | 88 | Ireland | 2.4 | | | |
| 17 | Panama | 3.7 | | | | 89 | Armenia | 2.4 | | | |
| 18 | Saudi Arabia | 3.7 | | | | 90 | Poland | 2.4 | | | |
| 19 | Switzerland | 3.6 | | | | 91 | Macedonia, FYR | 2.3 | | | |
| 20 | Canada | 3.6 | | | | 92 | Mali | 2.3 | | | |
| 21 | Indonesia | 3.6 | | | | 93 | Libya | 2.3 | | | |
| 22 | China | 3.5 | | | | 94 | Barbados | 2.3 | | | |
| 23 | Belgium | 3.5 | | | | 95 | El Salvador | 2.3 | | | |
| 24 | New Zealand | 3.5 | | | | 96 | Vietnam | 2.3 | | | |
| 25 | Liberia | 3.4 | | | | 97 | Portugal | 2.3 | | | |
| 26 | India | 3.4 | | | | 98 | Yemen | 2.3 | | | |
| 27 | Rwanda | 3.4 | | | | 99 | Cape Verde | 2.3 | | | |
| 28 | Australia | 3.3 | | | | 100 | Gabon | 2.3 | | | |
| 29 | Montenegro | 3.3 | | | | 101 | Costa Rica | 2.2 | | | |
| 30 | Bolivia | 3.3 | | | | 102 | Benin | 2.2 | | | |
| 31 | Chile | 3.2 | | | | 103 | Timor-Leste | 2.2 | | | |
| 32 | Kenya | 3.2 | | | | 104 | Georgia | 2.2 | | | |
| 33 | Estonia | 3.2 | | | | 105 | Kazakhstan | 2.2 | | | |
| 34 | Germany | 3.2 | | | | 106 | Ukraine | 2.2 | | | |
| 35 | Brunei Darussalam | 3.1 | | | | 107 | Sri Lanka | 2.2 | | | |
| 36 | Malta | 3.1 | | | | 108 | Cameroon | 2.2 | | | |
| 37 | South Africa | 3.1 | | | | 109 | Venezuela | 2.2 | | | |
| 38 | Morocco | 3.0 | | | | 110 | Korea, Rep. | 2.2 | | | |
| 39 | Austria | 3.0 | | | | 111 | Dominican Republic | 2.2 | | | |
| 40 | Egypt | 3.0 | | | | 112 | Croatia | 2.1 | | | |
| 41 | Kuwait | 3.0 | | | | 113 | Slovenia | 2.1 | | | |
| 42 | Japan | 3.0 | | | | 114 | Senegal | 2.1 | | | |
| 43 | Latvia | 2.9 | | | | 115 | Hungary | 2.1 | | | |
| 44 | Cambodia | 2.9 | | | | 116 | Ghana | 2.1 | | | |
| 45 | Cyprus | 2.9 | | | | 117 | Moldova | 2.1 | | | |
| 46 | Peru | 2.9 | | | | 118 | Ethiopia | 2.1 | | | |
| 47 | Botswana | 2.9 | | | | 119 | Mauritania | 2.1 | | | |
| 48 | Jordan | 2.9 | | | | 120 | Swaziland | 2.1 | | | |
| 49 | Thailand | 2.9 | | | | 121 | Italy | 2.0 | | | |
| 50 | Tajikistan | 2.9 | | | | 122 | Bangladesh | 2.0 | | | |
| 51 | Brazil | 2.8 | | | | 123 | Suriname | 2.0 | | | |
| 52 | Guyana | 2.8 | | | | 124 | Chad | 2.0 | | | |
| 53 | Colombia | 2.8 | | | | 125 | Malawi | 2.0 | | | |
| 54 | Puerto Rico | 2.8 | | | | 126 | Serbia | 1.9 | | | |
| 55 | Pakistan | 2.8 | | | | 127 | Bosnia and Herzegovina | 1.9 | | | |
| 56 | Mauritius | 2.8 | | | | 128 | Mozambique | 1.9 | | | |
| 57 | France | 2.8 | | | | 129 | Iran, Islamic Rep. | 1.9 | | | |
| 58 | Bulgaria | 2.8 | | | | 130 | Jamaica | 1.9 | | | |
| 59 | Azerbaijan | 2.8 | | | | 131 | Lesotho | 1.9 | | | |
| 60 | Slovak Republic | 2.8 | | | | 132 | Albania | 1.8 | | | |
| 61 | Nicaragua | 2.7 | | | | 133 | Kyrgyz Republic | 1.8 | | | |
| 62 | Philippines | 2.7 | | | | 134 | Greece | 1.8 | | | |
| 63 | Lebanon | 2.7 | | | | 135 | Argentina | 1.8 | | | |
| 64 | Guatemala | 2.7 | | | | 136 | Burkina Faso | 1.8 | | | |
| 65 | Iceland | 2.6 | | | | 137 | Zimbabwe | 1.8 | | | |
| 66 | Gambia, The | 2.6 | | | | 138 | Algeria | 1.8 | | | |
| 67 | Mexico | 2.6 | | | | 139 | Mongolia | 1.7 | | | |
| 68 | Ecuador | 2.6 | | | | 140 | Côte d'Ivoire | 1.7 | | | |
| 69 | Denmark | 2.6 | | | | 141 | Sierra Leone | 1.6 | | | |
| 70 | Paraguay | 2.6 | | | | 142 | Guinea | 1.6 | | | |
| 71 | Madagascar | 2.5 | | | | 143 | Burundi | 1.6 | | | |
| 72 | Nigeria | 2.5 | | | | 144 | Haiti | 1.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.06 Soundness of banks

How would you assess the soundness of banks in your country? [1 = insolvent and may require a government bailout; 7 = generally healthy with sound balance sheets] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Canada | 6.8 | | | | 73 | Croatia | 5.1 | | | |
| 2 | South Africa | 6.7 | | | | 74 | Puerto Rico | 5.1 | | | |
| 3 | New Zealand | 6.6 | | | | 75 | Germany | 5.1 | | | |
| 4 | Panama | 6.6 | | | | 76 | Ghana | 5.0 | | | |
| 5 | Australia | 6.5 | | | | 77 | Kenya | 5.0 | | | |
| 6 | Finland | 6.5 | | | | 78 | Mozambique | 5.0 | | | |
| 7 | Hong Kong SAR | 6.5 | | | | 79 | Gabon | 5.0 | | | |
| 8 | Singapore | 6.5 | | | | 80 | United States | 5.0 | | | |
| 9 | Norway | 6.4 | | | | 81 | Benin | 4.9 | | | |
| 10 | Barbados | 6.4 | | | | 82 | Côte d'Ivoire | 4.9 | | | |
| 11 | Chile | 6.4 | | | | 83 | Cyprus | 4.9 | | | |
| 12 | Lebanon | 6.2 | | | | 84 | Rwanda | 4.9 | | | |
| 13 | Malta | 6.2 | | | | 85 | Pakistan | 4.9 | | | |
| 14 | Brazil | 6.2 | | | | 86 | Hungary | 4.9 | | | |
| 15 | Mauritius | 6.2 | | | | 87 | Nicaragua | 4.9 | | | |
| 16 | Saudi Arabia | 6.1 | | | | 88 | Lesotho | 4.9 | | | |
| 17 | Israel | 6.1 | | | | 89 | Cambodia | 4.8 | | | |
| 18 | Luxembourg | 6.1 | | | | 90 | Lithuania | 4.8 | | | |
| 19 | Sweden | 6.1 | | | | 91 | Denmark | 4.8 | | | |
| 20 | Peru | 6.0 | | | | 92 | Georgia | 4.7 | | | |
| 21 | Oman | 6.0 | | | | 93 | Bangladesh | 4.6 | | | |
| 22 | Turkey | 6.0 | | | | 94 | Cameroon | 4.6 | | | |
| 23 | Guatemala | 6.0 | | | | 95 | Ecuador | 4.6 | | | |
| 24 | Costa Rica | 5.9 | | | | 96 | Venezuela | 4.6 | | | |
| 25 | Czech Republic | 5.9 | | | | 97 | United Kingdom | 4.6 | | | |
| 26 | Switzerland | 5.9 | | | | 98 | Korea, Rep. | 4.6 | | | |
| 27 | Sri Lanka | 5.9 | | | | 99 | Indonesia | 4.6 | | | |
| 28 | Bahrain | 5.9 | | | | 100 | Tajikistan | 4.6 | | | |
| 29 | Namibia | 5.9 | | | | 101 | Sierra Leone | 4.6 | | | |
| 30 | Dominican Republic | 5.9 | | | | 102 | Burkina Faso | 4.6 | | | |
| 31 | Honduras | 5.9 | | | | 103 | Bulgaria | 4.6 | | | |
| 32 | Slovak Republic | 5.8 | | | | 104 | Ethiopia | 4.6 | | | |
| 33 | Mexico | 5.8 | | | | 105 | Iran, Islamic Rep. | 4.6 | | | |
| 34 | Qatar | 5.8 | | | | 106 | Latvia | 4.5 | | | |
| 35 | Trinidad and Tobago | 5.8 | | | | 107 | Argentina | 4.5 | | | |
| 36 | Estonia | 5.7 | | | | 108 | Montenegro | 4.5 | | | |
| 37 | Malaysia | 5.7 | | | | 109 | Spain | 4.5 | | | |
| 38 | India | 5.7 | | | | 110 | Moldova | 4.4 | | | |
| 39 | Paraguay | 5.7 | | | | 111 | Madagascar | 4.4 | | | |
| 40 | El Salvador | 5.7 | | | | 112 | Mali | 4.4 | | | |
| 41 | Philippines | 5.7 | | | | 113 | Bosnia and Herzegovina | 4.4 | | | |
| 42 | Colombia | 5.7 | | | | 114 | Tanzania | 4.4 | | | |
| 43 | Guyana | 5.7 | | | | 115 | Haiti | 4.4 | | | |
| 44 | Uruguay | 5.6 | | | | 116 | Belgium | 4.4 | | | |
| 45 | Thailand | 5.6 | | | | 117 | Romania | 4.4 | | | |
| 46 | Swaziland | 5.6 | | | | 118 | Mauritania | 4.4 | | | |
| 47 | Netherlands | 5.6 | | | | 119 | Serbia | 4.3 | | | |
| 48 | United Arab Emirates | 5.6 | | | | 120 | Kazakhstan | 4.3 | | | |
| 49 | Suriname | 5.6 | | | | 121 | Mongolia | 4.3 | | | |
| 50 | Botswana | 5.5 | | | | 122 | Portugal | 4.3 | | | |
| 51 | Armenia | 5.5 | | | | 123 | Egypt | 4.3 | | | |
| 52 | Brunei Darussalam | 5.5 | | | | 124 | Albania | 4.2 | | | |
| 53 | Morocco | 5.5 | | | | 125 | Vietnam | 4.2 | | | |
| 54 | France | 5.4 | | | | 126 | Nepal | 4.2 | | | |
| 55 | Kuwait | 5.4 | | | | 127 | Guinea | 4.0 | | | |
| 56 | Malawi | 5.4 | | | | 128 | Timor-Leste | 4.0 | | | |
| 57 | Poland | 5.4 | | | | 129 | Nigeria | 3.9 | | | |
| 58 | Austria | 5.4 | | | | 130 | Bolivia | 3.9 | | | |
| 59 | Senegal | 5.4 | | | | 131 | Kyrgyz Republic | 3.9 | | | |
| 60 | Gambia, The | 5.4 | | | | 132 | Russian Federation | 3.8 | | | |
| 61 | Jordan | 5.4 | | | | 133 | Azerbaijan | 3.8 | | | |
| 62 | Taiwan, China | 5.4 | | | | 134 | Chad | 3.8 | | | |
| 63 | Japan | 5.4 | | | | 135 | Zimbabwe | 3.7 | | | |
| 64 | Zambia | 5.3 | | | | 136 | Iceland | 3.7 | | | |
| 65 | Jamaica | 5.3 | | | | 137 | Slovenia | 3.4 | | | |
| 66 | Italy | 5.2 | | | | 138 | Yemen | 3.4 | | | |
| 67 | Macedonia, FYR | 5.2 | | | | 139 | Libya | 3.4 | | | |
| 68 | Uganda | 5.2 | | | | 140 | Burundi | 3.2 | | | |
| 69 | Seychelles | 5.2 | | | | 141 | Greece | 3.1 | | | |
| 70 | Liberia | 5.2 | | | | 142 | Ukraine | 3.1 | | | |
| 71 | China | 5.1 | | | | 143 | Algeria | 2.9 | | | |
| 72 | Cape Verde | 5.1 | | | | 144 | Ireland | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.07 Regulation of securities exchanges

How would you assess the regulation and supervision of securities exchanges in your country? [1 = ineffective; 7 = effective] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | South Africa | 6.5 | | | | 73 | Slovenia | 4.0 | | | |
| 2 | Finland | 6.1 | | | | 74 | Iran, Islamic Rep. | 4.0 | | | |
| 3 | Singapore | 6.0 | | | | 75 | Zimbabwe | 4.0 | | | |
| 4 | Luxembourg | 5.9 | | | | 76 | Ireland | 4.0 | | | |
| 5 | Qatar | 5.8 | | | | 77 | Senegal | 4.0 | | | |
| 6 | Norway | 5.8 | | | | 78 | Panama | 4.0 | | | |
| 7 | Australia | 5.8 | | | | 79 | Colombia | 4.0 | | | |
| 8 | Brazil | 5.8 | | | | 80 | Korea, Rep. | 4.0 | | | |
| 9 | Hong Kong SAR | 5.7 | | | | 81 | Bolivia | 3.9 | | | |
| 10 | Switzerland | 5.6 | | | | 82 | Croatia | 3.9 | | | |
| 11 | Sweden | 5.6 | | | | 83 | Lebanon | 3.9 | | | |
| 12 | Malta | 5.6 | | | | 84 | Mexico | 3.9 | | | |
| 13 | Taiwan, China | 5.5 | | | | 85 | Côte d'Ivoire | 3.9 | | | |
| 14 | Bahrain | 5.5 | | | | 86 | Brunei Darussalam | 3.9 | | | |
| 15 | Netherlands | 5.5 | | | | 87 | Slovak Republic | 3.9 | | | |
| 16 | Oman | 5.5 | | | | 88 | Paraguay | 3.9 | | | |
| 17 | Canada | 5.4 | | | | 89 | Chile | 3.9 | | | |
| 18 | Denmark | 5.4 | | | | 90 | Greece | 3.9 | | | |
| 19 | Saudi Arabia | 5.4 | | | | 91 | El Salvador | 3.9 | | | |
| 20 | Malaysia | 5.3 | | | | 92 | Dominican Republic | 3.9 | | | |
| 21 | New Zealand | 5.3 | | | | 93 | Malawi | 3.8 | | | |
| 22 | Mauritius | 5.3 | | | | 94 | Nicaragua | 3.8 | | | |
| 23 | Puerto Rico | 5.2 | | | | 95 | Cape Verde | 3.8 | | | |
| 24 | Barbados | 5.2 | | | | 96 | Kuwait | 3.8 | | | |
| 25 | Turkey | 5.2 | | | | 97 | Trinidad and Tobago | 3.8 | | | |
| 26 | United Arab Emirates | 5.2 | | | | 98 | Costa Rica | 3.8 | | | |
| 27 | United Kingdom | 5.2 | | | | 99 | Spain | 3.7 | | | |
| 28 | India | 5.2 | | | | 100 | Kazakhstan | 3.7 | | | |
| 29 | Sri Lanka | 5.1 | | | | 101 | Azerbaijan | 3.7 | | | |
| 30 | France | 5.1 | | | | 102 | Swaziland | 3.7 | | | |
| 31 | Poland | 5.0 | | | | 103 | Guyana | 3.7 | | | |
| 32 | Belgium | 5.0 | | | | 104 | Argentina | 3.6 | | | |
| 33 | Israel | 4.9 | | | | 105 | Peru | 3.6 | | | |
| 34 | Jamaica | 4.9 | | | | 106 | Armenia | 3.6 | | | |
| 35 | Germany | 4.8 | | | | 107 | Tanzania | 3.6 | | | |
| 36 | Honduras | 4.8 | | | | 108 | Nepal | 3.6 | | | |
| 37 | Morocco | 4.8 | | | | 109 | Bulgaria | 3.6 | | | |
| 38 | Hungary | 4.8 | | | | 110 | Cambodia | 3.6 | | | |
| 39 | United States | 4.8 | | | | 111 | Romania | 3.5 | | | |
| 40 | Estonia | 4.7 | | | | 112 | Bosnia and Herzegovina | 3.5 | | | |
| 41 | Japan | 4.7 | | | | 113 | Ethiopia | 3.4 | | | |
| 42 | Portugal | 4.7 | | | | 114 | Russian Federation | 3.4 | | | |
| 43 | Thailand | 4.7 | | | | 115 | Cameroon | 3.4 | | | |
| 44 | Austria | 4.7 | | | | 116 | Suriname | 3.3 | | | |
| 45 | Czech Republic | 4.6 | | | | 117 | Burkina Faso | 3.3 | | | |
| 46 | Philippines | 4.6 | | | | 118 | Moldova | 3.3 | | | |
| 47 | Ghana | 4.5 | | | | 119 | Georgia | 3.3 | | | |
| 48 | Cyprus | 4.5 | | | | 120 | Serbia | 3.3 | | | |
| 49 | Uruguay | 4.5 | | | | 121 | Vietnam | 3.3 | | | |
| 50 | Lithuania | 4.5 | | | | 122 | Mozambique | 3.2 | | | |
| 51 | Namibia | 4.5 | | | | 123 | Tajikistan | 3.2 | | | |
| 52 | Jordan | 4.5 | | | | 124 | Ukraine | 3.1 | | | |
| 53 | Indonesia | 4.4 | | | | 125 | Benin | 3.1 | | | |
| 54 | Montenegro | 4.4 | | | | 126 | Liberia | 3.1 | | | |
| 55 | Pakistan | 4.4 | | | | 127 | Gabon | 3.1 | | | |
| 56 | Botswana | 4.3 | | | | 128 | Sierra Leone | 3.0 | | | |
| 57 | Zambia | 4.3 | | | | 129 | Lesotho | 3.0 | | | |
| 58 | China | 4.3 | | | | 130 | Bangladesh | 3.0 | | | |
| 59 | Nigeria | 4.3 | | | | 131 | Mali | 2.9 | | | |
| 60 | Guatemala | 4.2 | | | | 132 | Mongolia | 2.8 | | | |
| 61 | Rwanda | 4.2 | | | | 133 | Mauritania | 2.8 | | | |
| 62 | Venezuela | 4.2 | | | | 134 | Kyrgyz Republic | 2.7 | | | |
| 63 | Gambia, The | 4.2 | | | | 135 | Timor-Leste | 2.5 | | | |
| 64 | Latvia | 4.2 | | | | 136 | Libya | 2.4 | | | |
| 65 | Kenya | 4.2 | | | | 137 | Guinea | 2.4 | | | |
| 66 | Iceland | 4.2 | | | | 138 | Chad | 2.4 | | | |
| 67 | Seychelles | 4.1 | | | | 139 | Madagascar | 2.4 | | | |
| 68 | Macedonia, FYR | 4.1 | | | | 140 | Algeria | 2.3 | | | |
| 69 | Egypt | 4.1 | | | | 141 | Albania | 2.2 | | | |
| 70 | Italy | 4.1 | | | | 142 | Burundi | 2.0 | | | |
| 71 | Ecuador | 4.1 | | | | 143 | Haiti | 1.9 | | | |
| 72 | Uganda | 4.0 | | | | 144 | Yemen | 1.4 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

8.08 Legal rights index

Degree of legal protection of borrowers and lenders' rights on a 0–10 (best) scale | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|---------------------|-------|------|------------------------|-------|
| 1 | Hong Kong SAR | 10 | 65 | Côte d'Ivoire | 6 |
| 1 | Kenya | 10 | 65 | Croatia | 6 |
| 1 | Kyrgyz Republic | 10 | 65 | Czech Republic | 6 |
| 1 | Latvia | 10 | 65 | Gabon | 6 |
| 1 | Malaysia | 10 | 65 | Guinea | 6 |
| 1 | Montenegro | 10 | 65 | Lesotho | 6 |
| 1 | New Zealand | 10 | 65 | Luxembourg | 6 |
| 1 | Singapore | 10 | 65 | Mali | 6 |
| 1 | South Africa | 10 | 65 | Mauritius | 6 |
| 1 | United Kingdom | 10 | 65 | Mexico | 6 |
| 11 | Albania | 9 | 65 | Mongolia | 6 |
| 11 | Australia | 9 | 65 | Netherlands | 6 |
| 11 | Cyprus | 9 | 65 | Pakistan | 6 |
| 11 | Denmark | 9 | 65 | Senegal | 6 |
| 11 | Ireland | 9 | 65 | Spain | 6 |
| 11 | Israel | 9 | 65 | Swaziland | 6 |
| 11 | Nigeria | 9 | 89 | Bosnia and Herzegovina | 5 |
| 11 | Poland | 9 | 89 | Colombia | 5 |
| 11 | Romania | 9 | 89 | El Salvador | 5 |
| 11 | Slovak Republic | 9 | 89 | Gambia, The | 5 |
| 11 | Ukraine | 9 | 89 | Lithuania | 5 |
| 11 | United States | 9 | 89 | Panama | 5 |
| 11 | Zambia | 9 | 89 | Saudi Arabia | 5 |
| 24 | Bulgaria | 8 | 89 | Suriname | 5 |
| 24 | Cambodia | 8 | 89 | Taiwan, China | 5 |
| 24 | Finland | 8 | 89 | Thailand | 5 |
| 24 | Georgia | 8 | 99 | Argentina | 4 |
| 24 | Ghana | 8 | 99 | Bahrain | 4 |
| 24 | Guatemala | 8 | 99 | Ethiopia | 4 |
| 24 | Honduras | 8 | 99 | Greece | 4 |
| 24 | India | 8 | 99 | Guyana | 4 |
| 24 | Jamaica | 8 | 99 | Iran, Islamic Rep. | 4 |
| 24 | Korea, Rep. | 8 | 99 | Jordan | 4 |
| 24 | Moldova | 8 | 99 | Kazakhstan | 4 |
| 24 | Namibia | 8 | 99 | Kuwait | 4 |
| 24 | Puerto Rico | 8 | 99 | Lebanon | 4 |
| 24 | Rwanda | 8 | 99 | Oman | 4 |
| 24 | Serbia | 8 | 99 | Philippines | 4 |
| 24 | Switzerland | 8 | 99 | Qatar | 4 |
| 24 | Tanzania | 8 | 99 | Seychelles | 4 |
| 24 | Trinidad and Tobago | 8 | 99 | Slovenia | 4 |
| 24 | Vietnam | 8 | 99 | Sri Lanka | 4 |
| 43 | Austria | 7 | 99 | Turkey | 4 |
| 43 | Bangladesh | 7 | 99 | United Arab Emirates | 4 |
| 43 | Belgium | 7 | 99 | Uruguay | 4 |
| 43 | Botswana | 7 | 118 | Algeria | 3 |
| 43 | Brunei Darussalam | 7 | 118 | Brazil | 3 |
| 43 | Canada | 7 | 118 | Burundi | 3 |
| 43 | Estonia | 7 | 118 | Costa Rica | 3 |
| 43 | France | 7 | 118 | Dominican Republic | 3 |
| 43 | Germany | 7 | 118 | Ecuador | 3 |
| 43 | Hungary | 7 | 118 | Egypt | 3 |
| 43 | Iceland | 7 | 118 | Haiti | 3 |
| 43 | Japan | 7 | 118 | Indonesia | 3 |
| 43 | Liberia | 7 | 118 | Italy | 3 |
| 43 | Macedonia, FYR | 7 | 118 | Mauritania | 3 |
| 43 | Malawi | 7 | 118 | Morocco | 3 |
| 43 | Nepal | 7 | 118 | Nicaragua | 3 |
| 43 | Norway | 7 | 118 | Paraguay | 3 |
| 43 | Peru | 7 | 118 | Portugal | 3 |
| 43 | Sierra Leone | 7 | 118 | Russian Federation | 3 |
| 43 | Sweden | 7 | 118 | Yemen | 3 |
| 43 | Uganda | 7 | 135 | Cape Verde | 2 |
| 43 | Zimbabwe | 7 | 135 | Madagascar | 2 |
| 65 | Armenia | 6 | 135 | Mozambique | 2 |
| 65 | Azerbaijan | 6 | 135 | Tajikistan | 2 |
| 65 | Benin | 6 | 135 | Timor-Leste | 2 |
| 65 | Burkina Faso | 6 | 140 | Bolivia | 1 |
| 65 | Cameroon | 6 | 140 | Venezuela | 1 |
| 65 | Chad | 6 | n/a | Barbados | n/a |
| 65 | Chile | 6 | n/a | Libya | n/a |
| 65 | China | 6 | n/a | Malta | n/a |

SOURCE: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

Pillar 9

Technological readiness

9.01 Availability of latest technologies

To what extent are the latest technologies available in your country? [1 = not available; 7 = widely available] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.0 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 5.0 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Sweden | 6.7 | | | | 73 | Thailand | 4.9 | | | |
| 2 | Switzerland | 6.6 | | | | 74 | Kenya | 4.9 | | | |
| 3 | Finland | 6.6 | | | | 75 | Peru | 4.9 | | | |
| 4 | Netherlands | 6.5 | | | | 76 | Lebanon | 4.9 | | | |
| 5 | Norway | 6.5 | | | | 77 | Côte d'Ivoire | 4.8 | | | |
| 6 | United Kingdom | 6.5 | | | | 78 | Honduras | 4.8 | | | |
| 7 | Iceland | 6.5 | | | | 79 | Cambodia | 4.8 | | | |
| 8 | Hong Kong SAR | 6.5 | | | | 80 | Ukraine | 4.8 | | | |
| 9 | Belgium | 6.5 | | | | 81 | Azerbaijan | 4.8 | | | |
| 10 | Luxembourg | 6.4 | | | | 82 | Uruguay | 4.8 | | | |
| 11 | Japan | 6.3 | | | | 83 | Pakistan | 4.7 | | | |
| 12 | Singapore | 6.3 | | | | 84 | Tajikistan | 4.7 | | | |
| 13 | Austria | 6.3 | | | | 85 | Nigeria | 4.7 | | | |
| 14 | United States | 6.3 | | | | 86 | Ghana | 4.7 | | | |
| 15 | Portugal | 6.3 | | | | 87 | Rwanda | 4.7 | | | |
| 16 | France | 6.3 | | | | 88 | El Salvador | 4.7 | | | |
| 17 | Germany | 6.3 | | | | 89 | Bosnia and Herzegovina | 4.6 | | | |
| 18 | Canada | 6.3 | | | | 90 | Kazakhstan | 4.6 | | | |
| 19 | Australia | 6.2 | | | | 91 | Colombia | 4.6 | | | |
| 20 | Denmark | 6.2 | | | | 92 | Zambia | 4.6 | | | |
| 21 | Malta | 6.2 | | | | 93 | Botswana | 4.6 | | | |
| 22 | Israel | 6.2 | | | | 94 | Georgia | 4.6 | | | |
| 23 | United Arab Emirates | 6.2 | | | | 95 | Poland | 4.6 | | | |
| 24 | Bahrain | 6.2 | | | | 96 | Macedonia, FYR | 4.6 | | | |
| 25 | Qatar | 6.1 | | | | 97 | Montenegro | 4.6 | | | |
| 26 | Korea, Rep. | 6.1 | | | | 98 | Bulgaria | 4.5 | | | |
| 27 | New Zealand | 6.1 | | | | 99 | Mali | 4.5 | | | |
| 28 | Barbados | 6.0 | | | | 100 | Paraguay | 4.5 | | | |
| 29 | Ireland | 6.0 | | | | 101 | Armenia | 4.5 | | | |
| 30 | Panama | 6.0 | | | | 102 | Ecuador | 4.5 | | | |
| 31 | Puerto Rico | 6.0 | | | | 103 | Venezuela | 4.5 | | | |
| 32 | Chile | 5.9 | | | | 104 | Uganda | 4.5 | | | |
| 33 | Spain | 5.9 | | | | 105 | Bangladesh | 4.4 | | | |
| 34 | Saudi Arabia | 5.9 | | | | 106 | Albania | 4.4 | | | |
| 35 | Malaysia | 5.8 | | | | 107 | China | 4.4 | | | |
| 36 | Estonia | 5.8 | | | | 108 | Mongolia | 4.3 | | | |
| 37 | Lithuania | 5.7 | | | | 109 | Argentina | 4.3 | | | |
| 38 | Jordan | 5.7 | | | | 110 | Suriname | 4.3 | | | |
| 39 | South Africa | 5.7 | | | | 111 | Mozambique | 4.3 | | | |
| 40 | Taiwan, China | 5.6 | | | | 112 | Nepal | 4.3 | | | |
| 41 | Slovenia | 5.6 | | | | 113 | Benin | 4.2 | | | |
| 42 | Cyprus | 5.5 | | | | 114 | Iran, Islamic Rep. | 4.2 | | | |
| 43 | Czech Republic | 5.5 | | | | 115 | Egypt | 4.2 | | | |
| 44 | Jamaica | 5.5 | | | | 116 | Mauritania | 4.2 | | | |
| 45 | Turkey | 5.4 | | | | 117 | Romania | 4.2 | | | |
| 46 | Oman | 5.4 | | | | 118 | Moldova | 4.1 | | | |
| 47 | India | 5.3 | | | | 119 | Zimbabwe | 4.1 | | | |
| 48 | Mauritius | 5.3 | | | | 120 | Malawi | 4.1 | | | |
| 49 | Senegal | 5.3 | | | | 121 | Gabon | 4.1 | | | |
| 50 | Brazil | 5.3 | | | | 122 | Tanzania | 4.1 | | | |
| 51 | Guatemala | 5.3 | | | | 123 | Cameroon | 4.0 | | | |
| 52 | Mexico | 5.3 | | | | 124 | Liberia | 4.0 | | | |
| 53 | Morocco | 5.3 | | | | 125 | Libya | 3.9 | | | |
| 54 | Croatia | 5.2 | | | | 126 | Lesotho | 3.9 | | | |
| 55 | Hungary | 5.2 | | | | 127 | Serbia | 3.9 | | | |
| 56 | Philippines | 5.2 | | | | 128 | Madagascar | 3.9 | | | |
| 57 | Costa Rica | 5.2 | | | | 129 | Russian Federation | 3.9 | | | |
| 58 | Greece | 5.2 | | | | 130 | Haiti | 3.8 | | | |
| 59 | Slovak Republic | 5.2 | | | | 131 | Swaziland | 3.8 | | | |
| 60 | Dominican Republic | 5.2 | | | | 132 | Ethiopia | 3.8 | | | |
| 61 | Namibia | 5.2 | | | | 133 | Nicaragua | 3.8 | | | |
| 62 | Sri Lanka | 5.1 | | | | 134 | Bolivia | 3.6 | | | |
| 63 | Trinidad and Tobago | 5.1 | | | | 135 | Guinea | 3.6 | | | |
| 64 | Latvia | 5.1 | | | | 136 | Kyrgyz Republic | 3.6 | | | |
| 65 | Brunei Darussalam | 5.0 | | | | 137 | Vietnam | 3.6 | | | |
| 66 | Kuwait | 5.0 | | | | 138 | Burkina Faso | 3.6 | | | |
| 67 | Seychelles | 5.0 | | | | 139 | Timor-Leste | 3.5 | | | |
| 68 | Cape Verde | 5.0 | | | | 140 | Sierra Leone | 3.5 | | | |
| 69 | Italy | 5.0 | | | | 141 | Yemen | 3.5 | | | |
| 70 | Guyana | 5.0 | | | | 142 | Algeria | 3.4 | | | |
| 71 | Gambia, The | 4.9 | | | | 143 | Chad | 3.3 | | | |
| 72 | Indonesia | 4.9 | | | | 144 | Burundi | 3.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

9.02 Firm-level technology absorption

To what extent do businesses in your country absorb new technology? [1 = not at all; 7 = aggressively absorb] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Sweden | 6.3 | | | | 73 | Azerbaijan | 4.7 | | | |
| 2 | Iceland | 6.3 | | | | 74 | Guyana | 4.7 | | | |
| 3 | Switzerland | 6.2 | | | | 75 | Morocco | 4.7 | | | |
| 4 | Japan | 6.2 | | | | 76 | Cape Verde | 4.7 | | | |
| 5 | Israel | 6.2 | | | | 77 | Croatia | 4.7 | | | |
| 6 | Finland | 6.1 | | | | 78 | Slovenia | 4.7 | | | |
| 7 | Hong Kong SAR | 6.0 | | | | 79 | Peru | 4.7 | | | |
| 8 | Singapore | 6.0 | | | | 80 | Albania | 4.6 | | | |
| 9 | Qatar | 6.0 | | | | 81 | Mongolia | 4.6 | | | |
| 10 | Norway | 6.0 | | | | 82 | Trinidad and Tobago | 4.6 | | | |
| 11 | Korea, Rep. | 6.0 | | | | 83 | Uruguay | 4.6 | | | |
| 12 | United Arab Emirates | 6.0 | | | | 84 | Rwanda | 4.6 | | | |
| 13 | Austria | 5.9 | | | | 85 | Pakistan | 4.6 | | | |
| 14 | United States | 5.9 | | | | 86 | Egypt | 4.6 | | | |
| 15 | Australia | 5.9 | | | | 87 | Mali | 4.5 | | | |
| 16 | Germany | 5.9 | | | | 88 | Zambia | 4.5 | | | |
| 17 | New Zealand | 5.9 | | | | 89 | Liberia | 4.5 | | | |
| 18 | Denmark | 5.8 | | | | 90 | Latvia | 4.5 | | | |
| 19 | Taiwan, China | 5.8 | | | | 91 | Kazakhstan | 4.5 | | | |
| 20 | Saudi Arabia | 5.8 | | | | 92 | El Salvador | 4.5 | | | |
| 21 | Bahrain | 5.8 | | | | 93 | Colombia | 4.4 | | | |
| 22 | Netherlands | 5.8 | | | | 94 | Greece | 4.4 | | | |
| 23 | United Kingdom | 5.7 | | | | 95 | Tajikistan | 4.4 | | | |
| 24 | Luxembourg | 5.6 | | | | 96 | Armenia | 4.4 | | | |
| 25 | Panama | 5.6 | | | | 97 | Gabon | 4.4 | | | |
| 26 | Puerto Rico | 5.6 | | | | 98 | Botswana | 4.4 | | | |
| 27 | Portugal | 5.6 | | | | 99 | Zimbabwe | 4.4 | | | |
| 28 | Jordan | 5.6 | | | | 100 | Montenegro | 4.4 | | | |
| 29 | Malaysia | 5.6 | | | | 101 | Ecuador | 4.3 | | | |
| 30 | Canada | 5.6 | | | | 102 | Paraguay | 4.3 | | | |
| 31 | Belgium | 5.6 | | | | 103 | Uganda | 4.3 | | | |
| 32 | Malta | 5.5 | | | | 104 | Italy | 4.3 | | | |
| 33 | Ireland | 5.5 | | | | 105 | Bosnia and Herzegovina | 4.3 | | | |
| 34 | Estonia | 5.5 | | | | 106 | Argentina | 4.3 | | | |
| 35 | France | 5.5 | | | | 107 | Mauritania | 4.3 | | | |
| 36 | Senegal | 5.5 | | | | 108 | Libya | 4.3 | | | |
| 37 | Barbados | 5.4 | | | | 109 | Yemen | 4.3 | | | |
| 38 | South Africa | 5.4 | | | | 110 | Mozambique | 4.3 | | | |
| 39 | Turkey | 5.3 | | | | 111 | Bangladesh | 4.2 | | | |
| 40 | India | 5.2 | | | | 112 | Poland | 4.2 | | | |
| 41 | Kuwait | 5.2 | | | | 113 | Cameroon | 4.2 | | | |
| 42 | Sri Lanka | 5.2 | | | | 114 | Benin | 4.2 | | | |
| 43 | Cyprus | 5.2 | | | | 115 | Ghana | 4.2 | | | |
| 44 | Chile | 5.2 | | | | 116 | Romania | 4.1 | | | |
| 45 | Guatemala | 5.2 | | | | 117 | Venezuela | 4.1 | | | |
| 46 | Philippines | 5.2 | | | | 118 | Burkina Faso | 4.1 | | | |
| 47 | Brazil | 5.2 | | | | 119 | Iran, Islamic Rep. | 4.1 | | | |
| 48 | Spain | 5.1 | | | | 120 | Nepal | 4.1 | | | |
| 49 | Czech Republic | 5.1 | | | | 121 | Suriname | 4.1 | | | |
| 50 | Costa Rica | 5.1 | | | | 122 | Nicaragua | 4.0 | | | |
| 51 | Seychelles | 5.1 | | | | 123 | Georgia | 4.0 | | | |
| 52 | Oman | 5.0 | | | | 124 | Swaziland | 4.0 | | | |
| 53 | Lithuania | 5.0 | | | | 125 | Bulgaria | 4.0 | | | |
| 54 | Thailand | 5.0 | | | | 126 | Vietnam | 4.0 | | | |
| 55 | Mauritius | 4.9 | | | | 127 | Lesotho | 4.0 | | | |
| 56 | Indonesia | 4.9 | | | | 128 | Moldova | 4.0 | | | |
| 57 | Dominican Republic | 4.9 | | | | 129 | Tanzania | 3.9 | | | |
| 58 | Kenya | 4.9 | | | | 130 | Haiti | 3.9 | | | |
| 59 | Slovak Republic | 4.9 | | | | 131 | Sierra Leone | 3.9 | | | |
| 60 | Honduras | 4.9 | | | | 132 | Madagascar | 3.8 | | | |
| 61 | Cambodia | 4.9 | | | | 133 | Macedonia, FYR | 3.8 | | | |
| 62 | Brunei Darussalam | 4.9 | | | | 134 | Malawi | 3.8 | | | |
| 63 | Mexico | 4.8 | | | | 135 | Guinea | 3.8 | | | |
| 64 | Hungary | 4.8 | | | | 136 | Kyrgyz Republic | 3.7 | | | |
| 65 | Namibia | 4.8 | | | | 137 | Chad | 3.7 | | | |
| 66 | Côte d'Ivoire | 4.8 | | | | 138 | Bolivia | 3.7 | | | |
| 67 | Jamaica | 4.8 | | | | 139 | Timor-Leste | 3.7 | | | |
| 68 | Gambia, The | 4.8 | | | | 140 | Ethiopia | 3.7 | | | |
| 69 | Ukraine | 4.8 | | | | 141 | Russian Federation | 3.6 | | | |
| 70 | Lebanon | 4.8 | | | | 142 | Serbia | 3.6 | | | |
| 71 | China | 4.7 | | | | 143 | Burundi | 3.5 | | | |
| 72 | Nigeria | 4.7 | | | | 144 | Algeria | 3.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

9.03 FDI and technology transfer

To what extent does foreign direct investment (FDI) bring new technology into your country? [1 = not at all; 7 = FDI is a key source of new technology] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.6 | 7 |
|------|---------------------------|-------|---|----------|---|------|-----------------------------|-------|---|----------|---|
| 1 | Ireland..... | 6.4 | | | | 73 | Cameroon..... | 4.7 | | | |
| 2 | Qatar | 6.1 | | | | 74 | Mongolia..... | 4.6 | | | |
| 3 | Panama..... | 6.0 | | | | 75 | Egypt..... | 4.6 | | | |
| 4 | Singapore..... | 5.8 | | | | 76 | Gambia, The..... | 4.6 | | | |
| 5 | Costa Rica..... | 5.8 | | | | 77 | China..... | 4.6 | | | |
| 6 | United Arab Emirates..... | 5.7 | | | | 78 | Trinidad and Tobago..... | 4.6 | | | |
| 7 | Luxembourg..... | 5.6 | | | | 79 | Colombia..... | 4.6 | | | |
| 8 | Saudi Arabia..... | 5.5 | | | | 80 | Germany..... | 4.6 | | | |
| 9 | Slovak Republic..... | 5.5 | | | | 81 | Guatemala..... | 4.5 | | | |
| 10 | Hong Kong SAR..... | 5.5 | | | | 82 | Ghana..... | 4.5 | | | |
| 11 | Bahrain..... | 5.5 | | | | 83 | Korea, Rep..... | 4.5 | | | |
| 12 | Hungary..... | 5.4 | | | | 84 | Gabon..... | 4.5 | | | |
| 13 | Uruguay..... | 5.4 | | | | 85 | Kazakhstan..... | 4.4 | | | |
| 14 | Israel..... | 5.3 | | | | 86 | Namibia..... | 4.4 | | | |
| 15 | Mexico..... | 5.3 | | | | 87 | Finland..... | 4.4 | | | |
| 16 | Malaysia..... | 5.3 | | | | 88 | Nicaragua..... | 4.4 | | | |
| 17 | Canada..... | 5.3 | | | | 89 | Sierra Leone..... | 4.3 | | | |
| 18 | Czech Republic..... | 5.3 | | | | 90 | Nigeria..... | 4.3 | | | |
| 19 | Belgium..... | 5.2 | | | | 91 | Brunei Darussalam..... | 4.3 | | | |
| 20 | Estonia..... | 5.2 | | | | 92 | Seychelles..... | 4.3 | | | |
| 21 | Malta..... | 5.2 | | | | 93 | Mali..... | 4.3 | | | |
| 22 | Portugal..... | 5.2 | | | | 94 | Vietnam..... | 4.3 | | | |
| 23 | Sweden..... | 5.2 | | | | 95 | Iceland..... | 4.3 | | | |
| 24 | Brazil..... | 5.2 | | | | 96 | Latvia..... | 4.3 | | | |
| 25 | Chile..... | 5.1 | | | | 97 | Romania..... | 4.3 | | | |
| 26 | Lithuania..... | 5.1 | | | | 98 | Bosnia and Herzegovina..... | 4.2 | | | |
| 27 | New Zealand..... | 5.1 | | | | 99 | El Salvador..... | 4.2 | | | |
| 28 | Taiwan, China..... | 5.1 | | | | 100 | Tajikistan..... | 4.2 | | | |
| 29 | Honduras..... | 5.1 | | | | 101 | Georgia..... | 4.2 | | | |
| 30 | Peru..... | 5.0 | | | | 102 | Botswana..... | 4.1 | | | |
| 31 | Dominican Republic..... | 5.0 | | | | 103 | Moldova..... | 4.1 | | | |
| 32 | Australia..... | 5.0 | | | | 104 | Guyana..... | 4.1 | | | |
| 33 | Cambodia..... | 5.0 | | | | 105 | Croatia..... | 4.1 | | | |
| 34 | Netherlands..... | 5.0 | | | | 106 | Bulgaria..... | 4.1 | | | |
| 35 | United Kingdom..... | 5.0 | | | | 107 | Macedonia, FYR..... | 4.1 | | | |
| 36 | Switzerland..... | 5.0 | | | | 108 | Iran, Islamic Rep..... | 4.0 | | | |
| 37 | Barbados..... | 5.0 | | | | 109 | Ukraine..... | 4.0 | | | |
| 38 | South Africa..... | 5.0 | | | | 110 | Burkina Faso..... | 4.0 | | | |
| 39 | Jordan..... | 5.0 | | | | 111 | Bangladesh..... | 4.0 | | | |
| 40 | Philippines..... | 5.0 | | | | 112 | Paraguay..... | 4.0 | | | |
| 41 | Mozambique..... | 5.0 | | | | 113 | Slovenia..... | 4.0 | | | |
| 42 | Spain..... | 4.9 | | | | 114 | Guinea..... | 3.9 | | | |
| 43 | United States..... | 4.9 | | | | 115 | Malawi..... | 3.9 | | | |
| 44 | India..... | 4.9 | | | | 116 | Greece..... | 3.9 | | | |
| 45 | Oman..... | 4.9 | | | | 117 | Lebanon..... | 3.9 | | | |
| 46 | Morocco..... | 4.9 | | | | 118 | Swaziland..... | 3.9 | | | |
| 47 | Thailand..... | 4.9 | | | | 119 | Pakistan..... | 3.8 | | | |
| 48 | Mauritius..... | 4.9 | | | | 120 | Ecuador..... | 3.8 | | | |
| 49 | Puerto Rico..... | 4.9 | | | | 121 | Madagascar..... | 3.8 | | | |
| 50 | Sri Lanka..... | 4.9 | | | | 122 | Italy..... | 3.8 | | | |
| 51 | Austria..... | 4.9 | | | | 123 | Serbia..... | 3.8 | | | |
| 52 | Denmark..... | 4.9 | | | | 124 | Liberia..... | 3.8 | | | |
| 53 | Kenya..... | 4.8 | | | | 125 | Benin..... | 3.8 | | | |
| 54 | Norway..... | 4.8 | | | | 126 | Nepal..... | 3.8 | | | |
| 55 | Rwanda..... | 4.8 | | | | 127 | Haiti..... | 3.7 | | | |
| 56 | Montenegro..... | 4.8 | | | | 128 | Ethiopia..... | 3.7 | | | |
| 57 | Armenia..... | 4.8 | | | | 129 | Venezuela..... | 3.7 | | | |
| 58 | Poland..... | 4.8 | | | | 130 | Suriname..... | 3.7 | | | |
| 59 | France..... | 4.8 | | | | 131 | Timor-Leste..... | 3.6 | | | |
| 60 | Uganda..... | 4.8 | | | | 132 | Argentina..... | 3.6 | | | |
| 61 | Indonesia..... | 4.8 | | | | 133 | Lesotho..... | 3.6 | | | |
| 62 | Albania..... | 4.7 | | | | 134 | Bolivia..... | 3.6 | | | |
| 63 | Senegal..... | 4.7 | | | | 135 | Russian Federation..... | 3.6 | | | |
| 64 | Côte d'Ivoire..... | 4.7 | | | | 136 | Libya..... | 3.6 | | | |
| 65 | Turkey..... | 4.7 | | | | 137 | Burundi..... | 3.5 | | | |
| 66 | Tanzania..... | 4.7 | | | | 138 | Mauritania..... | 3.5 | | | |
| 67 | Japan..... | 4.7 | | | | 139 | Zimbabwe..... | 3.5 | | | |
| 68 | Azerbaijan..... | 4.7 | | | | 140 | Algeria..... | 3.4 | | | |
| 69 | Zambia..... | 4.7 | | | | 141 | Chad..... | 3.3 | | | |
| 70 | Cape Verde..... | 4.7 | | | | 142 | Kuwait..... | 3.3 | | | |
| 71 | Cyprus..... | 4.7 | | | | 143 | Kyrgyz Republic..... | 3.3 | | | |
| 72 | Jamaica..... | 4.7 | | | | 144 | Yemen..... | 3.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

9.04 Internet users

Percentage of individuals using the Internet | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|---------------------------|-------|
| 1 | Iceland | 95.0 | 73 | China | 38.3 |
| 2 | Norway | 94.0 | 74 | Moldova | 38.0 |
| 3 | Netherlands | 92.3 | 75 | Georgia | 36.6 |
| 4 | Sweden | 91.0 | 76 | Peru | 36.5 |
| 5 | Luxembourg | 90.9 | 77 | Mexico | 36.2 |
| 6 | Denmark | 90.0 | 78 | Egypt | 35.6 |
| 7 | Finland | 89.4 | 79 | Dominican Republic | 35.5 |
| 8 | Qatar | 86.2 | 80 | Vietnam | 35.1 |
| 9 | New Zealand | 86.0 | 81 | Mauritius | 35.0 |
| 10 | Switzerland | 85.2 | 82 | Jordan | 34.9 |
| 11 | Korea, Rep. | 83.8 | 83 | Cape Verde | 32.0 |
| 12 | Canada | 83.0 | 83 | Guyana | 32.0 |
| 12 | Germany | 83.0 | 83 | Suriname | 32.0 |
| 14 | United Kingdom | 82.0 | 86 | Jamaica | 31.5 |
| 15 | Austria | 79.8 | 87 | Ecuador | 31.4 |
| 16 | France | 79.6 | 88 | Ukraine | 30.6 |
| 17 | Japan | 79.5 | 89 | Bolivia | 30.0 |
| 18 | Australia | 79.0 | 90 | Philippines | 29.0 |
| 19 | Belgium | 78.0 | 91 | Nigeria | 28.4 |
| 20 | United States | 77.9 | 92 | Kenya | 28.0 |
| 21 | Bahrain | 77.0 | 93 | Paraguay | 23.9 |
| 22 | Ireland | 76.8 | 94 | Thailand | 23.7 |
| 23 | Estonia | 76.5 | 95 | Iran, Islamic Rep. | 21.0 |
| 24 | Singapore | 75.0 | 95 | South Africa | 21.0 |
| 25 | Hong Kong SAR | 74.5 | 97 | Kyrgyz Republic | 20.0 |
| 26 | Slovak Republic | 74.4 | 97 | Mongolia | 20.0 |
| 27 | Kuwait | 74.2 | 99 | Swaziland | 18.1 |
| 28 | Czech Republic | 73.0 | 100 | Indonesia | 18.0 |
| 29 | Slovenia | 72.0 | 101 | El Salvador | 17.7 |
| 29 | Taiwan, China | 72.0 | 102 | Senegal | 17.5 |
| 31 | Barbados | 71.8 | 103 | Libya | 17.0 |
| 32 | Latvia | 71.7 | 104 | Honduras | 15.9 |
| 33 | Croatia | 70.7 | 105 | Zimbabwe | 15.7 |
| 34 | Israel | 70.0 | 106 | Armenia ¹ | 15.3 |
| 34 | United Arab Emirates | 70.0 | 107 | Sri Lanka | 15.0 |
| 36 | Malta | 69.2 | 108 | Yemen | 14.9 |
| 37 | Oman | 68.0 | 109 | Ghana | 14.1 |
| 38 | Spain | 67.6 | 110 | Algeria | 14.0 |
| 39 | Lithuania | 65.1 | 111 | Tajikistan | 13.0 |
| 40 | Poland | 64.9 | 112 | Uganda | 13.0 |
| 41 | Malaysia | 61.0 | 113 | Namibia | 12.0 |
| 42 | Bosnia and Herzegovina | 60.0 | 113 | Tanzania | 12.0 |
| 43 | Hungary | 59.0 | 115 | Guatemala | 11.7 |
| 44 | Cyprus | 57.7 | 116 | Zambia | 11.5 |
| 45 | Italy | 56.8 | 117 | Gambia, The | 10.9 |
| 46 | Macedonia, FYR | 56.7 | 118 | Nicaragua | 10.6 |
| 47 | Brunei Darussalam | 56.0 | 119 | India | 10.1 |
| 48 | Portugal | 55.3 | 120 | Nepal | 9.0 |
| 49 | Trinidad and Tobago | 55.2 | 120 | Pakistan | 9.0 |
| 50 | Chile | 53.9 | 122 | Haiti ² | 8.4 |
| 51 | Greece | 53.0 | 123 | Gabon | 8.0 |
| 52 | Lebanon | 52.0 | 124 | Botswana | 7.0 |
| 53 | Uruguay | 51.4 | 124 | Rwanda | 7.0 |
| 54 | Bulgaria | 51.0 | 126 | Bangladesh | 5.0 |
| 54 | Morocco | 51.0 | 126 | Cameroon | 5.0 |
| 56 | Azerbaijan | 50.0 | 128 | Mauritania | 4.5 |
| 57 | Albania | 49.0 | 129 | Mozambique | 4.3 |
| 57 | Russian Federation | 49.0 | 130 | Lesotho | 4.2 |
| 59 | Puerto Rico | 48.0 | 131 | Benin | 3.5 |
| 60 | Argentina | 47.7 | 132 | Malawi | 3.3 |
| 61 | Saudi Arabia | 47.5 | 133 | Cambodia | 3.1 |
| 62 | Brazil | 45.0 | 134 | Burkina Faso | 3.0 |
| 62 | Kazakhstan | 45.0 | 134 | Liberia | 3.0 |
| 64 | Romania | 44.0 | 136 | Côte d'Ivoire | 2.2 |
| 65 | Seychelles | 43.2 | 137 | Mali | 2.0 |
| 66 | Panama | 42.7 | 138 | Chad | 1.9 |
| 67 | Serbia | 42.2 | 138 | Madagascar | 1.9 |
| 68 | Costa Rica | 42.1 | 140 | Guinea | 1.3 |
| 69 | Turkey | 42.1 | 141 | Burundi | 1.1 |
| 70 | Colombia | 40.4 | 142 | Ethiopia | 1.1 |
| 71 | Venezuela | 40.2 | 143 | Timor-Leste | 0.9 |
| 72 | Montenegro | 40.0 | 144 | Sierra Leone ¹ | 0.3 |

SOURCE: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

¹ 2009 ² 2010

9.05 Fixed broadband Internet subscriptions

Fixed broadband Internet subscriptions per 100 population | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-------------------------|-------|------|---------------------------|-------|
| 1 | Hong Kong SAR | 42.6 | 73 | Thailand | 5.4 |
| 2 | Switzerland | 39.2 | 74 | Lebanon | 5.2 |
| 3 | Netherlands | 38.7 | 75 | Armenia | 5.0 |
| 4 | Denmark | 38.2 | 76 | Suriname | 4.5 |
| 5 | Korea, Rep. | 36.9 | 77 | Albania | 4.3 |
| 6 | Norway | 36.5 | 78 | Cape Verde | 4.3 |
| 7 | France | 36.1 | 79 | Vietnam | 4.3 |
| 8 | Iceland | 33.9 | 80 | Ecuador | 4.2 |
| 9 | Belgium | 33.0 | 81 | Dominican Republic | 4.0 |
| 10 | Luxembourg | 32.9 | 82 | Jamaica | 3.9 |
| 11 | United Kingdom | 32.7 | 83 | Peru | 3.5 |
| 12 | Germany | 32.5 | 84 | El Salvador | 3.3 |
| 13 | Canada | 32.0 | 85 | Jordan | 3.2 |
| 14 | Sweden | 31.8 | 86 | Mongolia | 2.8 |
| 15 | Malta | 30.0 | 87 | Algeria | 2.8 |
| 16 | Finland | 29.5 | 88 | Guyana | 2.5 |
| 17 | United States | 28.7 | 89 | Iran, Islamic Rep. | 2.4 |
| 18 | Japan | 27.4 | 90 | Egypt | 2.2 |
| 19 | Estonia | 27.1 | 91 | Philippines | 1.9 |
| 20 | Austria | 26.5 | 92 | Oman | 1.8 |
| 21 | New Zealand | 25.8 | 93 | Morocco | 1.8 |
| 22 | Singapore | 25.5 | 94 | Guatemala ² | 1.8 |
| 23 | Slovenia | 24.8 | 95 | South Africa | 1.8 |
| 24 | Australia | 23.9 | 96 | Nicaragua | 1.8 |
| 25 | Israel | 23.8 | 97 | Sri Lanka | 1.7 |
| 26 | Taiwan, China | 23.7 | 98 | Kuwait ² | 1.7 |
| 27 | Spain | 23.5 | 99 | Indonesia | 1.1 |
| 28 | Italy | 22.8 | 100 | Libya | 1.1 |
| 29 | Hungary | 22.2 | 101 | India | 1.0 |
| 30 | Barbados | 22.1 | 102 | Paraguay | 1.0 |
| 31 | Lithuania | 22.1 | 103 | Venezuela | 0.9 |
| 32 | Ireland | 22.1 | 104 | Namibia | 0.8 |
| 33 | Greece | 21.6 | 105 | Botswana | 0.8 |
| 34 | Portugal | 21.0 | 106 | Senegal | 0.7 |
| 35 | Latvia | 20.4 | 107 | Bolivia | 0.7 |
| 36 | Croatia | 19.5 | 108 | Yemen | 0.4 |
| 37 | Cyprus | 18.1 | 109 | Pakistan | 0.4 |
| 38 | Czech Republic | 15.7 | 110 | Nepal | 0.3 |
| 39 | Bulgaria | 15.5 | 111 | Kyrgyz Republic | 0.3 |
| 40 | Romania | 15.4 | 112 | Gabon | 0.3 |
| 41 | Puerto Rico | 14.9 | 113 | Zimbabwe | 0.3 |
| 42 | Poland | 14.4 | 114 | Uganda | 0.3 |
| 43 | Bahrain | 13.8 | 115 | Ghana | 0.3 |
| 44 | Slovak Republic | 13.6 | 116 | Swaziland | 0.2 |
| 45 | Uruguay | 13.5 | 117 | Mauritania | 0.2 |
| 46 | Macedonia, FYR | 13.2 | 118 | Cambodia | 0.2 |
| 47 | Russian Federation | 12.2 | 119 | Nigeria | 0.1 |
| 48 | Chile | 11.6 | 120 | Kenya | 0.1 |
| 49 | China | 11.6 | 121 | Burkina Faso | 0.1 |
| 50 | Trinidad and Tobago | 11.5 | 122 | Côte d'Ivoire | 0.1 |
| 51 | Bosnia and Herzegovina | 11.5 | 123 | Tajikistan | 0.1 |
| 52 | United Arab Emirates | 11.0 | 124 | Mozambique | 0.1 |
| 53 | Serbia | 10.8 | 125 | Malawi | 0.1 |
| 54 | Azerbaijan | 10.7 | 126 | Zambia | 0.1 |
| 55 | Mexico | 10.6 | 127 | Timor-Leste | 0.0 |
| 56 | Argentina | 10.5 | 128 | Bangladesh | 0.0 |
| 57 | Turkey | 10.3 | 129 | Benin | 0.0 |
| 58 | Moldova | 9.9 | 130 | Rwanda | 0.0 |
| 59 | Seychelles | 8.9 | 131 | Ethiopia | 0.0 |
| 60 | Mauritius | 8.9 | 132 | Madagascar | 0.0 |
| 61 | Costa Rica | 8.7 | 133 | Honduras | 0.0 |
| 62 | Qatar | 8.7 | 134 | Gambia, The | 0.0 |
| 63 | Brazil | 8.6 | 135 | Lesotho ² | 0.0 |
| 64 | Montenegro ² | 8.3 | 136 | Mali | 0.0 |
| 65 | Panama | 7.9 | 137 | Tanzania | 0.0 |
| 66 | Georgia | 7.6 | 138 | Guinea | 0.0 |
| 67 | Kazakhstan | 7.5 | 139 | Cameroon | 0.0 |
| 68 | Malaysia | 7.4 | 140 | Burundi ² | 0.0 |
| 69 | Ukraine | 7.0 | 141 | Liberia | 0.0 |
| 70 | Colombia | 6.9 | 142 | Chad | 0.0 |
| 71 | Saudi Arabia | 5.7 | 143 | Haiti | 0.0 |
| 72 | Brunei Darussalam | 5.5 | 143 | Sierra Leone ¹ | 0.0 |

SOURCE: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

¹ 2007 ² 2010

9.06 Internet bandwidth

International Internet bandwidth (kb/s) per Internet user | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|--------------------------|-------|------|---------------------------|-------|
| 1 | Hong Kong SAR | 964.6 | 73 | Nicaragua | 12.9 |
| 2 | Singapore | 547.1 | 74 | Mauritius | 12.7 |
| 3 | Iceland | 287.1 | 75 | Philippines | 12.4 |
| 4 | Sweden | 244.4 | 76 | Slovak Republic | 12.3 |
| 5 | Switzerland | 167.6 | 77 | Hungary | 12.2 |
| 6 | United Kingdom | 166.1 | 78 | Guyana | 12.0 |
| 7 | Netherlands | 162.5 | 79 | Oman | 11.6 |
| 8 | Denmark | 159.5 | 80 | Israel | 11.3 |
| 9 | Norway | 151.3 | 81 | Dominican Republic | 11.2 |
| 10 | Puerto Rico ⁴ | 135.4 | 82 | Libya | 11.0 |
| 11 | Portugal | 135.3 | 83 | Malaysia | 10.7 |
| 12 | Belgium | 131.1 | 84 | Thailand | 10.6 |
| 13 | Finland | 118.4 | 85 | Vietnam | 10.0 |
| 14 | Romania | 114.5 | 86 | Ukraine | 9.8 |
| 15 | Moldova | 91.1 | 87 | Paraguay | 9.5 |
| 16 | Czech Republic | 91.1 | 88 | Peru | 9.3 |
| 17 | Luxembourg | 89.6 | 89 | Algeria | 8.9 |
| 18 | Austria | 81.9 | 90 | Mexico | 8.7 |
| 19 | France | 78.6 | 91 | Botswana | 8.4 |
| 20 | Serbia | 76.8 | 92 | Venezuela | 8.1 |
| 21 | Germany | 74.8 | 93 | Morocco | 7.6 |
| 22 | Canada | 70.2 | 94 | Indonesia | 7.2 |
| 23 | Ireland | 69.0 | 95 | Guatemala | 6.9 |
| 24 | Slovenia | 68.2 | 96 | Armenia ³ | 6.9 |
| 25 | Bulgaria | 65.8 | 97 | Egypt | 6.8 |
| 26 | Spain | 64.1 | 98 | Ethiopia | 6.5 |
| 27 | Italy | 60.8 | 99 | Jordan | 6.3 |
| 28 | Lithuania | 57.6 | 100 | Kuwait ⁴ | 6.0 |
| 29 | Mongolia | 53.6 | 101 | Seychelles | 5.9 |
| 30 | Cyprus | 53.6 | 102 | Cape Verde | 5.8 |
| 31 | Australia | 50.4 | 103 | Madagascar | 5.7 |
| 32 | Malta | 47.8 | 104 | India | 5.4 |
| 33 | United States | 47.2 | 105 | Sri Lanka | 5.2 |
| 34 | Gabon | 46.2 | 106 | Mali | 4.9 |
| 35 | Latvia | 44.8 | 107 | Honduras | 4.9 |
| 36 | Panama | 44.1 | 108 | Pakistan | 4.8 |
| 37 | Poland | 40.2 | 109 | Suriname | 4.7 |
| 38 | Barbados | 38.2 | 110 | Kenya | 4.5 |
| 39 | Costa Rica | 36.2 | 111 | Rwanda | 4.4 |
| 40 | Taiwan, China | 34.6 | 112 | El Salvador | 4.2 |
| 41 | Turkey | 33.9 | 113 | Bolivia | 4.2 |
| 42 | Saudi Arabia | 33.0 | 114 | Mauritania | 3.9 |
| 43 | Uruguay | 32.1 | 115 | Iran, Islamic Rep. | 3.5 |
| 44 | Russian Federation | 31.9 | 116 | Benin | 3.4 |
| 45 | Montenegro ⁴ | 29.6 | 117 | Bangladesh | 2.9 |
| 46 | Brazil | 29.0 | 118 | Senegal | 2.9 |
| 47 | Ecuador | 27.7 | 119 | China | 2.7 |
| 48 | United Arab Emirates | 27.6 | 120 | Lesotho | 2.4 |
| 49 | Greece | 26.0 | 121 | Namibia | 2.3 |
| 50 | Argentina | 25.7 | 122 | Swaziland | 2.3 |
| 51 | Estonia | 24.4 | 123 | Lebanon | 2.3 |
| 52 | New Zealand | 23.7 | 124 | Burkina Faso | 2.2 |
| 53 | Kazakhstan | 23.6 | 125 | Uganda | 1.8 |
| 54 | Japan | 23.1 | 126 | Zimbabwe | 1.7 |
| 55 | Jamaica | 23.1 | 127 | Guinea | 1.7 |
| 56 | Qatar | 22.3 | 128 | Gambia, The | 1.7 |
| 57 | Brunei Darussalam | 22.0 | 129 | Nepal | 1.5 |
| 58 | Chile | 20.4 | 130 | Malawi | 1.4 |
| 59 | Croatia | 19.9 | 131 | Mozambique | 1.2 |
| 60 | Trinidad and Tobago | 19.8 | 132 | Yemen | 1.1 |
| 61 | Azerbaijan | 19.1 | 133 | Tanzania | 0.9 |
| 62 | Albania | 19.0 | 134 | Burundi | 0.7 |
| 63 | South Africa | 18.9 | 135 | Kyrgyz Republic | 0.6 |
| 64 | Côte d'Ivoire | 18.0 | 136 | Liberia | 0.6 |
| 65 | Macedonia, FYR | 17.9 | 137 | Tajikistan ² | 0.5 |
| 66 | Bosnia and Herzegovina | 17.8 | 138 | Zambia | 0.5 |
| 67 | Korea, Rep. | 17.2 | 139 | Nigeria | 0.4 |
| 68 | Timor-Leste | 17.1 | 140 | Cameroon | 0.3 |
| 69 | Colombia | 16.8 | 141 | Chad | 0.2 |
| 70 | Georgia | 15.8 | 142 | Ghana | 0.2 |
| 71 | Bahrain | 14.7 | 143 | Haiti ² | 0.2 |
| 72 | Cambodia | 13.5 | 144 | Sierra Leone ¹ | 0.1 |

SOURCE: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

¹ 2002 ² 2007 ³ 2009 ⁴ 2010

9.07 Mobile broadband subscriptions

Mobile broadband subscriptions per 100 population | 2011 or 2010

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|-------------------------|-------|
| 1 | Singapore | 110.9 | 73 | Turkey | 8.8 |
| 2 | Korea, Rep. | 105.1 | 74 | Morocco | 8.0 |
| 3 | Japan | 93.7 | 75 | Dominican Republic | 7.7 |
| 4 | Sweden | 91.5 | 76 | Croatia | 6.6 |
| 5 | Finland | 87.1 | 77 | Rwanda | 6.4 |
| 6 | Denmark | 80.2 | 78 | Brunei Darussalam | 6.3 |
| 7 | Luxembourg | 66.7 | 79 | Kuwait ¹ | 5.9 |
| 8 | United States | 65.5 | 80 | Jordan | 4.9 |
| 9 | United Kingdom | 62.3 | 81 | Seychelles | 4.7 |
| 10 | Qatar | 61.0 | 82 | Mexico | 4.6 |
| 11 | Iceland | 60.7 | 83 | Paraguay | 4.5 |
| 12 | Ireland | 59.4 | 84 | Ukraine | 4.4 |
| 13 | New Zealand | 53.0 | 85 | Venezuela | 4.2 |
| 14 | Hong Kong SAR | 51.8 | 86 | Kyrgyz Republic | 4.1 |
| 15 | Netherlands | 49.2 | 87 | Guatemala | 4.1 |
| 16 | Poland | 48.4 | 88 | Colombia | 3.7 |
| 17 | Russian Federation | 47.9 | 89 | Honduras | 3.7 |
| 18 | France | 44.0 | 90 | Namibia | 3.6 |
| 19 | Austria | 43.3 | 91 | El Salvador | 3.6 |
| 20 | Czech Republic | 43.1 | 92 | Moldova | 3.5 |
| 21 | Australia | 42.8 | 93 | Philippines | 3.4 |
| 22 | Taiwan, China | 42.7 | 94 | Malawi | 3.1 |
| 23 | Estonia | 42.0 | 95 | Cape Verde | 3.0 |
| 24 | Israel | 41.0 | 96 | Uganda | 2.8 |
| 25 | Spain | 40.9 | 97 | Nigeria | 2.8 |
| 26 | Saudi Arabia | 40.4 | 98 | Sri Lanka | 2.3 |
| 27 | Kazakhstan | 38.4 | 99 | Cambodia | 2.2 |
| 28 | Oman | 37.8 | 100 | Costa Rica | 2.0 |
| 29 | Latvia | 37.6 | 101 | Bolivia | 1.9 |
| 30 | Switzerland | 36.1 | 102 | India | 1.9 |
| 31 | Germany | 34.8 | 103 | Lesotho ¹ | 1.7 |
| 32 | Serbia | 34.5 | 104 | Libya ¹ | 1.6 |
| 33 | Canada | 32.9 | 105 | Jamaica | 1.5 |
| 34 | Malta | 32.6 | 106 | Botswana | 1.5 |
| 35 | Slovak Republic | 31.9 | 107 | Senegal | 1.5 |
| 36 | Greece | 31.8 | 108 | Peru | 1.4 |
| 37 | Italy | 31.3 | 109 | Tanzania | 1.2 |
| 38 | Slovenia | 29.3 | 110 | Trinidad and Tobago | 1.2 |
| 39 | Portugal | 27.4 | 111 | Mozambique | 1.0 |
| 40 | Norway | 24.4 | 112 | Nicaragua | 1.0 |
| 41 | Cyprus | 24.1 | 113 | Swaziland | 0.7 |
| 42 | Ghana | 23.0 | 114 | Tajikistan ¹ | 0.6 |
| 43 | Indonesia | 22.2 | 115 | Mauritania | 0.5 |
| 44 | United Arab Emirates | 21.7 | 116 | Gambia, The | 0.5 |
| 45 | Azerbaijan | 21.5 | 117 | Zambia | 0.4 |
| 46 | Egypt | 21.0 | 118 | Mali | 0.4 |
| 47 | Brazil | 20.9 | 119 | Kenya | 0.3 |
| 48 | Georgia | 20.5 | 120 | Ethiopia | 0.3 |
| 49 | South Africa | 19.8 | 121 | Pakistan | 0.3 |
| 50 | Belgium | 19.4 | 122 | Sierra Leone | 0.3 |
| 51 | Macedonia, FYR | 18.7 | 123 | Liberia | 0.2 |
| 52 | Vietnam | 18.0 | 124 | Yemen | 0.1 |
| 53 | Lithuania | 17.2 | 125 | Madagascar | 0.1 |
| 54 | Chile | 17.1 | 126 | Lebanon | 0.0 |
| 55 | Montenegro | 15.3 | 127 | Nepal | 0.0 |
| 56 | Zimbabwe | 14.9 | 128 | Algeria | 0.0 |
| 57 | Puerto Rico | 14.7 | 128 | Bangladesh | 0.0 |
| 58 | Bulgaria | 14.5 | 128 | Barbados | 0.0 |
| 59 | Panama | 14.5 | 128 | Benin | 0.0 |
| 60 | Romania | 14.1 | 128 | Burkina Faso | 0.0 |
| 61 | Hungary | 13.2 | 128 | Burundi | 0.0 |
| 62 | Mongolia | 12.7 | 128 | Cameroon | 0.0 |
| 63 | Mauritius | 12.4 | 128 | Chad | 0.0 |
| 64 | Malaysia | 12.3 | 128 | Côte d'Ivoire | 0.0 |
| 65 | Argentina | 11.7 | 128 | Gabon | 0.0 |
| 66 | Armenia ¹ | 11.4 | 128 | Guinea | 0.0 |
| 67 | Ecuador | 10.3 | 128 | Guyana | 0.0 |
| 68 | Bahrain | 9.5 | 128 | Haiti | 0.0 |
| 69 | China | 9.5 | 128 | Iran, Islamic Rep. | 0.0 |
| 70 | Bosnia and Herzegovina | 9.2 | 128 | Suriname | 0.0 |
| 71 | Uruguay | 9.0 | 128 | Thailand | 0.0 |
| 72 | Albania | 8.8 | 128 | Timor-Leste | 0.0 |

SOURCE: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition); Informa Telecoms & Media; national sources

¹ 2010

Pillar 10

Market size

10.01 Domestic market size index

Sum of gross domestic product plus value of imports of goods and services, minus value of exports of goods and services, normalized on a 1–7 (best) scale | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|------------------------|-------|
| 1 | United States | 7.0 | 73 | Tanzania | 3.4 |
| 2 | China | 6.8 | 74 | Puerto Rico | 3.3 |
| 3 | India | 6.2 | 75 | Oman | 3.2 |
| 4 | Japan | 6.1 | 76 | Lithuania | 3.2 |
| 5 | Germany | 5.9 | 77 | Yemen | 3.2 |
| 6 | United Kingdom | 5.7 | 78 | Azerbaijan | 3.2 |
| 7 | Brazil | 5.7 | 79 | Costa Rica | 3.2 |
| 8 | France | 5.7 | 80 | Uganda | 3.2 |
| 9 | Russian Federation | 5.6 | 81 | Panama | 3.2 |
| 10 | Italy | 5.5 | 82 | Slovenia | 3.1 |
| 11 | Mexico | 5.5 | 83 | El Salvador | 3.1 |
| 12 | Korea, Rep. | 5.4 | 84 | Uruguay | 3.1 |
| 13 | Spain | 5.4 | 85 | Cameroon | 3.1 |
| 14 | Canada | 5.4 | 86 | Jordan | 3.1 |
| 15 | Turkey | 5.2 | 87 | Bolivia | 3.1 |
| 16 | Indonesia | 5.2 | 88 | Nepal | 3.0 |
| 17 | Iran, Islamic Rep. | 5.1 | 89 | Paraguay | 3.0 |
| 18 | Australia | 5.0 | 90 | Honduras | 3.0 |
| 19 | Taiwan, China | 5.0 | 91 | Bosnia and Herzegovina | 2.9 |
| 20 | Poland | 5.0 | 92 | Cambodia | 2.9 |
| 21 | Argentina | 4.9 | 93 | Latvia | 2.8 |
| 22 | Netherlands | 4.8 | 94 | Côte d'Ivoire | 2.8 |
| 23 | Thailand | 4.8 | 95 | Botswana | 2.8 |
| 24 | South Africa | 4.8 | 96 | Georgia | 2.7 |
| 25 | Egypt | 4.7 | 97 | Albania | 2.7 |
| 26 | Pakistan | 4.7 | 98 | Jamaica | 2.7 |
| 27 | Colombia | 4.6 | 99 | Senegal | 2.7 |
| 28 | Saudi Arabia | 4.5 | 100 | Mozambique | 2.7 |
| 29 | Philippines | 4.5 | 101 | Nicaragua | 2.6 |
| 30 | Belgium | 4.5 | 102 | Macedonia, FYR | 2.6 |
| 31 | Malaysia | 4.5 | 103 | Estonia | 2.6 |
| 32 | Nigeria | 4.4 | 104 | Cyprus | 2.6 |
| 33 | Sweden | 4.4 | 105 | Burkina Faso | 2.6 |
| 34 | Austria | 4.4 | 106 | Luxembourg | 2.6 |
| 35 | Ukraine | 4.4 | 107 | Madagascar | 2.6 |
| 36 | Hong Kong SAR | 4.4 | 108 | Armenia | 2.5 |
| 37 | Venezuela | 4.4 | 109 | Trinidad and Tobago | 2.5 |
| 38 | Vietnam | 4.4 | 110 | Mauritius | 2.5 |
| 39 | Bangladesh | 4.3 | 111 | Libya | 2.5 |
| 40 | Greece | 4.3 | 112 | Chad | 2.5 |
| 41 | Switzerland | 4.3 | 113 | Tajikistan | 2.5 |
| 42 | Chile | 4.3 | 114 | Bahrain | 2.5 |
| 43 | Peru | 4.3 | 115 | Zambia | 2.5 |
| 44 | Romania | 4.3 | 116 | Gabon | 2.5 |
| 45 | Czech Republic | 4.2 | 117 | Mali | 2.5 |
| 46 | Portugal | 4.2 | 118 | Kyrgyz Republic | 2.4 |
| 47 | Algeria | 4.2 | 119 | Mongolia | 2.4 |
| 48 | Singapore | 4.1 | 120 | Haiti | 2.3 |
| 49 | Israel | 4.1 | 121 | Namibia | 2.3 |
| 50 | United Arab Emirates | 4.1 | 122 | Moldova | 2.3 |
| 51 | Norway | 4.1 | 123 | Benin | 2.3 |
| 52 | Finland | 4.0 | 124 | Rwanda | 2.3 |
| 53 | Denmark | 4.0 | 125 | Malawi | 2.3 |
| 54 | Morocco | 4.0 | 126 | Guinea | 2.1 |
| 55 | Hungary | 3.9 | 127 | Iceland | 2.1 |
| 56 | Kazakhstan | 3.9 | 128 | Timor-Leste | 2.1 |
| 57 | Ireland | 3.7 | 129 | Malta | 2.0 |
| 58 | Ecuador | 3.7 | 130 | Brunei Darussalam | 1.9 |
| 59 | Qatar | 3.7 | 131 | Montenegro | 1.9 |
| 60 | Sri Lanka | 3.7 | 132 | Guyana | 1.8 |
| 61 | Slovak Republic | 3.7 | 133 | Mauritania | 1.8 |
| 62 | New Zealand | 3.7 | 134 | Swaziland | 1.7 |
| 63 | Ethiopia | 3.6 | 135 | Barbados | 1.7 |
| 64 | Kuwait | 3.6 | 136 | Lesotho | 1.7 |
| 65 | Dominican Republic | 3.6 | 137 | Zimbabwe | 1.7 |
| 66 | Bulgaria | 3.6 | 138 | Burundi | 1.7 |
| 67 | Serbia | 3.5 | 139 | Sierra Leone | 1.7 |
| 68 | Guatemala | 3.4 | 140 | Suriname | 1.4 |
| 69 | Kenya | 3.4 | 141 | Gambia, The | 1.4 |
| 70 | Ghana | 3.4 | 142 | Liberia | 1.1 |
| 71 | Lebanon | 3.4 | 143 | Cape Verde | 1.1 |
| 72 | Croatia | 3.4 | 144 | Seychelles | 1.0 |

SOURCE: Authors' calculation. For more details refer to the appendix in Chapter 1.1 of this Report.

10.02 Foreign market size index

Value of exports of goods and services, normalized on a 1–7 (best) scale | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|-------|------|------------------------|-------|
| 1 | China | 7.0 | 73 | Ghana | 4.1 |
| 2 | United States | 6.7 | 74 | Serbia | 4.1 |
| 3 | Germany | 6.5 | 75 | Estonia | 4.1 |
| 4 | India | 6.4 | 76 | Bahrain | 4.0 |
| 5 | Korea, Rep. | 6.2 | 77 | Sri Lanka | 4.0 |
| 6 | Hong Kong SAR | 6.2 | 78 | Cambodia | 4.0 |
| 7 | Russian Federation | 6.1 | 79 | Libya | 4.0 |
| 8 | Japan | 6.1 | 80 | Dominican Republic | 3.9 |
| 9 | United Kingdom | 6.1 | 81 | Latvia | 3.9 |
| 10 | Taiwan, China | 6.0 | 82 | Costa Rica | 3.9 |
| 11 | Netherlands | 6.0 | 83 | Tanzania | 3.9 |
| 12 | Singapore | 6.0 | 84 | Guatemala | 3.9 |
| 13 | France | 6.0 | 85 | Yemen | 3.8 |
| 14 | Italy | 5.9 | 86 | Brunei Darussalam | 3.8 |
| 15 | Mexico | 5.9 | 87 | Kenya | 3.8 |
| 16 | Thailand | 5.8 | 88 | Bolivia | 3.8 |
| 17 | Belgium | 5.8 | 89 | Côte d'Ivoire | 3.8 |
| 18 | Saudi Arabia | 5.8 | 90 | Honduras | 3.7 |
| 19 | Canada | 5.7 | 91 | Jordan | 3.7 |
| 20 | Malaysia | 5.7 | 92 | Ethiopia | 3.6 |
| 21 | Spain | 5.7 | 93 | Trinidad and Tobago | 3.6 |
| 22 | Poland | 5.6 | 94 | Bosnia and Herzegovina | 3.6 |
| 23 | Indonesia | 5.5 | 95 | Gabon | 3.6 |
| 24 | Brazil | 5.5 | 96 | El Salvador | 3.6 |
| 25 | Vietnam | 5.4 | 97 | Uruguay | 3.6 |
| 26 | Iran, Islamic Rep. | 5.4 | 98 | Macedonia, FYR | 3.5 |
| 27 | Czech Republic | 5.4 | 99 | Paraguay | 3.5 |
| 28 | Turkey | 5.4 | 100 | Zambia | 3.5 |
| 29 | United Arab Emirates | 5.3 | 101 | Cameroon | 3.5 |
| 30 | Austria | 5.3 | 102 | Malta | 3.5 |
| 31 | Australia | 5.3 | 103 | Mauritius | 3.5 |
| 32 | Ireland | 5.3 | 104 | Botswana | 3.5 |
| 33 | Sweden | 5.2 | 105 | Uganda | 3.4 |
| 34 | Hungary | 5.2 | 106 | Cyprus | 3.4 |
| 35 | Nigeria | 5.2 | 107 | Mozambique | 3.4 |
| 36 | Switzerland | 5.2 | 108 | Mongolia | 3.3 |
| 37 | Ukraine | 5.2 | 109 | Albania | 3.3 |
| 38 | Argentina | 5.1 | 110 | Chad | 3.3 |
| 39 | South Africa | 5.1 | 111 | Namibia | 3.2 |
| 40 | Philippines | 5.0 | 112 | Jamaica | 3.2 |
| 41 | Slovak Republic | 4.9 | 113 | Iceland | 3.2 |
| 42 | Chile | 4.9 | 114 | Georgia | 3.2 |
| 43 | Kazakhstan | 4.9 | 115 | Kyrgyz Republic | 3.2 |
| 44 | Venezuela | 4.9 | 116 | Nicaragua | 3.2 |
| 45 | Denmark | 4.9 | 117 | Senegal | 3.1 |
| 46 | Norway | 4.9 | 118 | Moldova | 3.0 |
| 47 | Egypt | 4.9 | 119 | Madagascar | 3.0 |
| 48 | Romania | 4.9 | 120 | Mali | 2.9 |
| 49 | Algeria | 4.9 | 121 | Mauritania | 2.9 |
| 50 | Qatar | 4.8 | 122 | Tajikistan | 2.9 |
| 51 | Kuwait | 4.8 | 123 | Armenia | 2.8 |
| 52 | Israel | 4.8 | 124 | Benin | 2.8 |
| 53 | Portugal | 4.8 | 125 | Guinea | 2.8 |
| 54 | Colombia | 4.8 | 126 | Burkina Faso | 2.8 |
| 55 | Peru | 4.8 | 127 | Nepal | 2.8 |
| 56 | Finland | 4.7 | 128 | Swaziland | 2.8 |
| 57 | Greece | 4.6 | 129 | Suriname | 2.7 |
| 58 | Pakistan | 4.6 | 130 | Guyana | 2.7 |
| 59 | Bulgaria | 4.6 | 131 | Malawi | 2.7 |
| 60 | Luxembourg | 4.6 | 132 | Montenegro | 2.7 |
| 61 | Morocco | 4.5 | 133 | Barbados | 2.7 |
| 62 | Azerbaijan | 4.5 | 134 | Seychelles | 2.5 |
| 63 | Bangladesh | 4.5 | 135 | Zimbabwe | 2.5 |
| 64 | Oman | 4.5 | 136 | Haiti | 2.4 |
| 65 | Puerto Rico | 4.4 | 137 | Lesotho | 2.3 |
| 66 | Slovenia | 4.4 | 138 | Rwanda | 2.1 |
| 67 | Lithuania | 4.4 | 139 | Sierra Leone | 2.1 |
| 68 | Ecuador | 4.4 | 140 | Cape Verde | 1.8 |
| 69 | New Zealand | 4.2 | 141 | Liberia | 1.6 |
| 70 | Panama | 4.2 | 142 | Gambia, The | 1.5 |
| 71 | Lebanon | 4.2 | 143 | Burundi | 1.2 |
| 72 | Croatia | 4.1 | 144 | Timor-Leste | 1.0 |

SOURCE: Authors' calculation. For more details refer to Appendix A in Chapter 1.1 of this Report.

10.03 GDP (PPP)

Gross domestic product valued at purchasing power parity in billions of international dollars | 2011

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|----------------------|----------|------|--------------------------|-------|
| 1 | United States | 15,094.0 | 73 | Kenya | 71.4 |
| 2 | China | 11,300.0 | 74 | Puerto Rico ¹ | 64.8 |
| 3 | India | 4,457.8 | 75 | Tanzania | 63.9 |
| 4 | Japan | 4,440.4 | 76 | Lithuania | 61.6 |
| 5 | Germany | 3,099.1 | 77 | Lebanon | 61.4 |
| 6 | Russian Federation | 2,383.4 | 78 | Yemen | 58.0 |
| 7 | Brazil | 2,294.2 | 79 | Slovenia | 57.9 |
| 8 | United Kingdom | 2,260.8 | 80 | Costa Rica | 55.0 |
| 9 | France | 2,217.9 | 81 | Uruguay | 50.9 |
| 10 | Italy | 1,847.0 | 82 | Bolivia | 50.9 |
| 11 | Mexico | 1,661.6 | 83 | Panama | 50.6 |
| 12 | Korea, Rep. | 1,554.2 | 84 | Cameroon | 47.3 |
| 13 | Spain | 1,413.5 | 85 | Uganda | 46.4 |
| 14 | Canada | 1,396.1 | 86 | El Salvador | 44.6 |
| 15 | Indonesia | 1,124.7 | 87 | Luxembourg | 41.2 |
| 16 | Turkey | 1,073.6 | 88 | Nepal | 37.8 |
| 17 | Iran, Islamic Rep. | 990.2 | 89 | Libya | 37.5 |
| 18 | Australia | 914.5 | 90 | Jordan | 36.9 |
| 19 | Taiwan, China | 876.0 | 91 | Côte d'Ivoire | 36.1 |
| 20 | Poland | 771.7 | 92 | Honduras | 35.7 |
| 21 | Argentina | 716.4 | 93 | Paraguay | 35.3 |
| 22 | Netherlands | 704.0 | 94 | Latvia | 34.9 |
| 23 | Saudi Arabia | 682.8 | 95 | Cambodia | 33.5 |
| 24 | Thailand | 602.1 | 96 | Bosnia and Herzegovina | 31.6 |
| 25 | South Africa | 555.1 | 97 | Bahrain | 31.1 |
| 26 | Egypt | 519.0 | 98 | Botswana | 29.7 |
| 27 | Pakistan | 488.6 | 99 | Estonia | 27.3 |
| 28 | Colombia | 472.0 | 100 | Trinidad and Tobago | 26.5 |
| 29 | Malaysia | 447.3 | 101 | Senegal | 25.2 |
| 30 | Nigeria | 413.4 | 102 | Albania | 24.9 |
| 31 | Belgium | 413.3 | 103 | Jamaica | 24.8 |
| 32 | Philippines | 390.4 | 104 | Gabon | 24.6 |
| 33 | Sweden | 381.7 | 105 | Georgia | 24.5 |
| 34 | Venezuela | 374.1 | 106 | Mozambique | 23.9 |
| 35 | Austria | 352.0 | 107 | Cyprus | 23.7 |
| 36 | Hong Kong SAR | 351.1 | 108 | Burkina Faso | 22.0 |
| 37 | Switzerland | 339.9 | 109 | Zambia | 21.9 |
| 38 | Ukraine | 329.5 | 110 | Macedonia, FYR | 21.3 |
| 39 | Singapore | 314.9 | 111 | Brunei Darussalam | 21.0 |
| 40 | Peru | 302.0 | 112 | Madagascar | 20.4 |
| 41 | Vietnam | 300.0 | 113 | Chad | 19.5 |
| 42 | Chile | 299.6 | 114 | Mauritius | 19.3 |
| 43 | Greece | 294.3 | 115 | Nicaragua | 18.9 |
| 44 | Czech Republic | 285.0 | 116 | Armenia | 17.9 |
| 45 | Bangladesh | 282.2 | 117 | Mali | 17.9 |
| 46 | Romania | 267.2 | 118 | Tajikistan | 16.2 |
| 47 | Norway | 265.9 | 119 | Namibia | 15.7 |
| 48 | Algeria | 263.7 | 120 | Benin | 14.7 |
| 49 | United Arab Emirates | 258.8 | 121 | Malawi | 13.9 |
| 50 | Portugal | 249.0 | 122 | Rwanda | 13.7 |
| 51 | Israel | 235.2 | 123 | Mongolia | 13.3 |
| 52 | Kazakhstan | 216.8 | 124 | Kyrgyz Republic | 13.1 |
| 53 | Denmark | 206.6 | 125 | Iceland | 12.4 |
| 54 | Finland | 195.7 | 126 | Haiti | 12.4 |
| 55 | Hungary | 195.6 | 127 | Moldova | 12.0 |
| 56 | Qatar | 182.0 | 128 | Guinea | 11.5 |
| 57 | Ireland | 181.6 | 129 | Malta | 10.8 |
| 58 | Morocco | 162.6 | 130 | Timor-Leste | 9.5 |
| 59 | Kuwait | 153.5 | 131 | Montenegro | 7.2 |
| 60 | Ecuador | 127.4 | 132 | Mauritania | 7.1 |
| 61 | Slovak Republic | 126.9 | 133 | Barbados | 6.5 |
| 62 | New Zealand | 122.2 | 134 | Swaziland | 6.2 |
| 63 | Sri Lanka | 116.5 | 135 | Zimbabwe | 6.1 |
| 64 | Bulgaria | 101.0 | 136 | Guyana | 5.8 |
| 65 | Ethiopia | 94.9 | 137 | Burundi | 5.2 |
| 66 | Dominican Republic | 93.4 | 138 | Sierra Leone | 5.1 |
| 67 | Azerbaijan | 93.1 | 139 | Suriname | 5.1 |
| 68 | Oman | 81.8 | 140 | Lesotho | 3.8 |
| 69 | Croatia | 80.3 | 141 | Gambia, The | 3.5 |
| 70 | Serbia | 78.9 | 142 | Seychelles | 2.2 |
| 71 | Ghana | 74.9 | 143 | Cape Verde | 2.1 |
| 72 | Guatemala | 74.7 | 144 | Liberia | 1.8 |

SOURCE: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

¹ 2010

10.04 Exports as a percentage of GDP

Exports of goods and services as a percentage of gross domestic product | 2011 or most recent year available

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|-----------------------------------|-------|------|---------------------------------|-------|
| 1 | Hong Kong SAR | 236.9 | 73 | Algeria ² | 37.7 |
| 2 | Singapore | 205.7 | 74 | Zimbabwe | 37.5 |
| 3 | Luxembourg | 160.0 | 75 | Chile | 37.5 |
| 4 | Belgium | 109.5 | 76 | Costa Rica | 36.9 |
| 5 | Ireland | 107.6 | 77 | Mozambique ² | 36.7 |
| 6 | Seychelles ² | 103.0 | 78 | Ecuador | 35.8 |
| 7 | Estonia | 100.1 | 79 | Portugal | 35.8 |
| 8 | Malta | 96.3 | 80 | Cape Verde | 35.5 |
| 9 | Hungary | 94.8 | 81 | Serbia | 35.4 |
| 10 | Malaysia | 94.3 | 82 | Morocco | 35.2 |
| 11 | Netherlands | 93.9 | 83 | Nicaragua ² | 34.6 |
| 12 | Slovak Republic | 89.4 | 84 | Bolivia ² | 34.4 |
| 13 | Brunei Darussalam | 86.9 | 85 | Botswana ² | 34.2 |
| 14 | Vietnam | 86.1 | 86 | Albania | 33.6 |
| 15 | Czech Republic | 85.6 | 87 | Tanzania | 31.8 |
| 16 | Bahrain ² | 84.8 | 88 | Yemen ² | 31.8 |
| 17 | Slovenia | 84.1 | 89 | Mexico | 31.6 |
| 18 | Puerto Rico | 78.6 | 90 | Russian Federation | 31.1 |
| 19 | Thailand | 77.9 | 91 | Guinea ² | 31.1 |
| 20 | United Arab Emirates ² | 77.6 | 92 | United Kingdom | 30.9 |
| 21 | Lithuania | 77.5 | 93 | Paraguay ² | 30.9 |
| 22 | Taiwan, China | 75.8 | 94 | Canada | 30.3 |
| 23 | Cambodia | 71.1 | 95 | Venezuela | 29.9 |
| 24 | Panama | 68.4 | 96 | Philippines | 29.8 |
| 25 | Bulgaria | 66.6 | 97 | New Zealand | 29.5 |
| 26 | Oman ² | 66.3 | 98 | Spain | 29.3 |
| 27 | Saudi Arabia | 65.2 | 99 | Peru | 29.3 |
| 28 | Suriname | 63.8 | 100 | Jamaica | 29.3 |
| 29 | Mongolia | 63.4 | 101 | Georgia | 28.8 |
| 30 | Latvia | 62.0 | 102 | Italy | 28.6 |
| 31 | Libya ² | 61.3 | 103 | China | 28.5 |
| 32 | Azerbaijan | 60.9 | 104 | El Salvador | 27.5 |
| 33 | Kuwait ² | 59.7 | 105 | South Africa | 27.4 |
| 34 | Mauritania ² | 59.5 | 106 | France | 27.3 |
| 35 | Iceland | 58.2 | 107 | Guatemala | 26.9 |
| 36 | Korea, Rep. | 58.1 | 108 | India | 26.5 |
| 37 | Austria | 57.0 | 109 | Liberia ² | 26.5 |
| 38 | Lebanon ² | 55.8 | 110 | Indonesia | 26.2 |
| 39 | Swaziland ² | 55.5 | 111 | Iran, Islamic Rep. ² | 25.8 |
| 40 | Guyana | 55.2 | 112 | Benin ² | 25.2 |
| 41 | Macedonia, FYR | 54.8 | 113 | Kenya ² | 25.2 |
| 42 | Denmark | 53.7 | 114 | Mali ² | 24.9 |
| 43 | Mauritius | 52.8 | 115 | Tajikistan ² | 24.4 |
| 44 | Ukraine | 52.8 | 116 | Dominican Republic | 24.3 |
| 45 | Switzerland | 51.9 | 117 | Uruguay | 24.1 |
| 46 | Kyrgyz Republic | 51.8 | 118 | Senegal ² | 23.7 |
| 47 | Kazakhstan | 51.7 | 119 | Madagascar ² | 23.5 |
| 48 | Qatar ² | 50.9 | 120 | Greece | 23.5 |
| 49 | Trinidad and Tobago ¹ | 50.3 | 121 | Sri Lanka ² | 22.3 |
| 50 | Gabon ¹ | 50.2 | 122 | Malawi ² | 22.3 |
| 51 | Sweden | 48.9 | 123 | Turkey | 22.2 |
| 52 | Germany | 48.3 | 124 | Cameroon ² | 22.2 |
| 53 | Côte d'Ivoire ² | 48.2 | 125 | Argentina | 22.0 |
| 54 | Zambia | 47.9 | 126 | Australia | 21.6 |
| 55 | Namibia | 46.1 | 127 | Armenia | 21.3 |
| 56 | Honduras | 45.3 | 128 | Sierra Leone ² | 21.1 |
| 57 | Barbados | 44.9 | 129 | Egypt | 21.0 |
| 58 | Moldova | 44.0 | 130 | Uganda | 20.8 |
| 59 | Nigeria ² | 44.0 | 131 | Bangladesh ² | 19.3 |
| 60 | Poland | 43.6 | 132 | Colombia | 18.9 |
| 61 | Chad ¹ | 42.7 | 133 | Japan | 16.5 |
| 62 | Jordan | 42.0 | 134 | Burkina Faso ² | 16.1 |
| 63 | Norway | 41.5 | 135 | Ethiopia ² | 14.5 |
| 64 | Lesotho ² | 41.4 | 136 | Pakistan | 13.9 |
| 65 | Montenegro | 41.1 | 137 | Haiti | 13.8 |
| 66 | Bosnia and Herzegovina | 39.8 | 138 | United States | 13.6 |
| 67 | Cyprus | 39.4 | 139 | Gambia, The ² | 12.8 |
| 68 | Ghana | 39.3 | 140 | Brazil | 11.7 |
| 69 | Finland | 39.3 | 141 | Nepal ² | 9.2 |
| 70 | Croatia | 39.2 | 142 | Rwanda ² | 8.9 |
| 71 | Romania | 38.5 | 143 | Burundi ² | 5.4 |
| 72 | Israel | 38.0 | 144 | Timor-Leste ² | 2.0 |

SOURCE: World Trade Organization, Online statistics database (accessed June 4, 2012); International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

¹ 2009 ² 2010

Pillar 11

Business sophistication

11.01 Local supplier quantity

How numerous are local suppliers in your country? [1 = largely nonexistent; 7 = very numerous] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 6.2 | | | | 73 | Barbados | 4.7 | | | |
| 2 | Germany | 5.8 | | | | 74 | Pakistan | 4.7 | | | |
| 3 | Taiwan, China | 5.7 | | | | 75 | Panama | 4.7 | | | |
| 4 | Belgium | 5.7 | | | | 76 | Guyana | 4.7 | | | |
| 5 | Austria | 5.7 | | | | 77 | Bangladesh | 4.6 | | | |
| 6 | Saudi Arabia | 5.6 | | | | 78 | Trinidad and Tobago | 4.6 | | | |
| 7 | Netherlands | 5.6 | | | | 79 | Dominican Republic | 4.6 | | | |
| 8 | Switzerland | 5.6 | | | | 80 | Egypt | 4.6 | | | |
| 9 | United Kingdom | 5.6 | | | | 81 | Paraguay | 4.6 | | | |
| 10 | India | 5.6 | | | | 82 | Ukraine | 4.6 | | | |
| 11 | Hong Kong SAR | 5.6 | | | | 83 | Greece | 4.6 | | | |
| 12 | Qatar | 5.5 | | | | 84 | Nigeria | 4.6 | | | |
| 13 | Brazil | 5.5 | | | | 85 | Ghana | 4.5 | | | |
| 14 | United States | 5.4 | | | | 86 | Madagascar | 4.5 | | | |
| 15 | United Arab Emirates | 5.4 | | | | 87 | Finland | 4.5 | | | |
| 16 | Spain | 5.4 | | | | 88 | Tajikistan | 4.5 | | | |
| 17 | Italy | 5.4 | | | | 89 | Luxembourg | 4.5 | | | |
| 18 | Malaysia | 5.3 | | | | 90 | Azerbaijan | 4.5 | | | |
| 19 | Czech Republic | 5.3 | | | | 91 | Honduras | 4.5 | | | |
| 20 | Sri Lanka | 5.3 | | | | 92 | Brunei Darussalam | 4.5 | | | |
| 21 | Korea, Rep. | 5.3 | | | | 93 | Bosnia and Herzegovina | 4.4 | | | |
| 22 | Yemen | 5.3 | | | | 94 | Cyprus | 4.4 | | | |
| 23 | Poland | 5.3 | | | | 95 | Burkina Faso | 4.4 | | | |
| 24 | Lebanon | 5.3 | | | | 96 | Macedonia, FYR | 4.4 | | | |
| 25 | Thailand | 5.2 | | | | 97 | Hungary | 4.4 | | | |
| 26 | France | 5.2 | | | | 98 | Jamaica | 4.4 | | | |
| 27 | Senegal | 5.2 | | | | 99 | Ecuador | 4.4 | | | |
| 28 | China | 5.2 | | | | 100 | Argentina | 4.4 | | | |
| 29 | Denmark | 5.1 | | | | 101 | Croatia | 4.3 | | | |
| 30 | Sweden | 5.1 | | | | 102 | Armenia | 4.3 | | | |
| 31 | Malta | 5.1 | | | | 103 | Montenegro | 4.3 | | | |
| 32 | Kuwait | 5.1 | | | | 104 | Bulgaria | 4.3 | | | |
| 33 | Canada | 5.1 | | | | 105 | Malawi | 4.3 | | | |
| 34 | Chad | 5.1 | | | | 106 | Nepal | 4.3 | | | |
| 35 | Turkey | 5.1 | | | | 107 | Sierra Leone | 4.2 | | | |
| 36 | Bahrain | 5.1 | | | | 108 | Liberia | 4.2 | | | |
| 37 | New Zealand | 5.1 | | | | 109 | Kyrgyz Republic | 4.2 | | | |
| 38 | Vietnam | 5.0 | | | | 110 | Serbia | 4.2 | | | |
| 39 | Kenya | 5.0 | | | | 111 | Cambodia | 4.2 | | | |
| 40 | Guatemala | 5.0 | | | | 112 | Latvia | 4.2 | | | |
| 41 | Uganda | 5.0 | | | | 113 | Iceland | 4.2 | | | |
| 42 | Mexico | 5.0 | | | | 114 | Tanzania | 4.2 | | | |
| 43 | South Africa | 5.0 | | | | 115 | Cameroon | 4.2 | | | |
| 44 | Singapore | 5.0 | | | | 116 | Suriname | 4.2 | | | |
| 45 | Mali | 5.0 | | | | 117 | Romania | 4.2 | | | |
| 46 | Iran, Islamic Rep. | 5.0 | | | | 118 | Seychelles | 4.2 | | | |
| 47 | Peru | 5.0 | | | | 119 | Rwanda | 4.2 | | | |
| 48 | Oman | 5.0 | | | | 120 | Kazakhstan | 4.2 | | | |
| 49 | Philippines | 4.9 | | | | 121 | Russian Federation | 4.0 | | | |
| 50 | Puerto Rico | 4.9 | | | | 122 | Botswana | 4.0 | | | |
| 51 | Israel | 4.9 | | | | 123 | Uruguay | 4.0 | | | |
| 52 | Mauritania | 4.9 | | | | 124 | Algeria | 4.0 | | | |
| 53 | Mauritius | 4.9 | | | | 125 | Zimbabwe | 4.0 | | | |
| 54 | Lithuania | 4.9 | | | | 126 | Ethiopia | 4.0 | | | |
| 55 | Norway | 4.9 | | | | 127 | Mongolia | 3.9 | | | |
| 56 | Portugal | 4.9 | | | | 128 | Albania | 3.9 | | | |
| 57 | Ireland | 4.9 | | | | 129 | Timor-Leste | 3.9 | | | |
| 58 | Colombia | 4.9 | | | | 130 | Moldova | 3.9 | | | |
| 59 | Jordan | 4.9 | | | | 131 | Cape Verde | 3.9 | | | |
| 60 | Australia | 4.9 | | | | 132 | Namibia | 3.8 | | | |
| 61 | Chile | 4.8 | | | | 133 | Mozambique | 3.8 | | | |
| 62 | Zambia | 4.8 | | | | 134 | Guinea | 3.8 | | | |
| 63 | Libya | 4.8 | | | | 135 | Nicaragua | 3.8 | | | |
| 64 | Costa Rica | 4.8 | | | | 136 | Swaziland | 3.7 | | | |
| 65 | Morocco | 4.8 | | | | 137 | Georgia | 3.7 | | | |
| 66 | Gambia, The | 4.8 | | | | 138 | Bolivia | 3.7 | | | |
| 67 | Indonesia | 4.8 | | | | 139 | Benin | 3.7 | | | |
| 68 | Slovak Republic | 4.8 | | | | 140 | Burundi | 3.5 | | | |
| 69 | Côte d'Ivoire | 4.7 | | | | 141 | Lesotho | 3.4 | | | |
| 70 | Estonia | 4.7 | | | | 142 | Haiti | 3.3 | | | |
| 71 | Slovenia | 4.7 | | | | 143 | Venezuela | 3.2 | | | |
| 72 | El Salvador | 4.7 | | | | 144 | Gabon | 3.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.02 Local supplier quality

How would you assess the quality of local suppliers in your country? [1 = very poor; 7 = very good] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.5 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.2 | | | | 73 | Jordan | 4.4 | | | |
| 2 | Austria | 6.1 | | | | 74 | Liberia | 4.4 | | | |
| 3 | Japan | 6.1 | | | | 75 | Tajikistan | 4.4 | | | |
| 4 | Germany | 6.1 | | | | 76 | Morocco | 4.4 | | | |
| 5 | Netherlands | 5.8 | | | | 77 | Croatia | 4.3 | | | |
| 6 | Belgium | 5.8 | | | | 78 | Jamaica | 4.3 | | | |
| 7 | Finland | 5.7 | | | | 79 | Uruguay | 4.3 | | | |
| 8 | Sweden | 5.7 | | | | 80 | Nigeria | 4.3 | | | |
| 9 | Canada | 5.6 | | | | 81 | Bangladesh | 4.3 | | | |
| 10 | Taiwan, China | 5.6 | | | | 82 | Bulgaria | 4.3 | | | |
| 11 | Denmark | 5.6 | | | | 83 | Bosnia and Herzegovina | 4.3 | | | |
| 12 | New Zealand | 5.6 | | | | 84 | Trinidad and Tobago | 4.3 | | | |
| 13 | Australia | 5.5 | | | | 85 | Dominican Republic | 4.3 | | | |
| 14 | United States | 5.5 | | | | 86 | Pakistan | 4.3 | | | |
| 15 | France | 5.5 | | | | 87 | Kuwait | 4.2 | | | |
| 16 | Puerto Rico | 5.4 | | | | 88 | Rwanda | 4.2 | | | |
| 17 | Czech Republic | 5.4 | | | | 89 | Namibia | 4.2 | | | |
| 18 | United Kingdom | 5.4 | | | | 90 | Kazakhstan | 4.2 | | | |
| 19 | Norway | 5.4 | | | | 91 | Montenegro | 4.2 | | | |
| 20 | Hong Kong SAR | 5.4 | | | | 92 | Zambia | 4.2 | | | |
| 21 | Qatar | 5.4 | | | | 93 | Côte d'Ivoire | 4.2 | | | |
| 22 | United Arab Emirates | 5.3 | | | | 94 | Azerbaijan | 4.2 | | | |
| 23 | Ireland | 5.3 | | | | 95 | Paraguay | 4.1 | | | |
| 24 | Spain | 5.2 | | | | 96 | Armenia | 4.1 | | | |
| 25 | Korea, Rep. | 5.2 | | | | 97 | Cameroon | 4.1 | | | |
| 26 | Malaysia | 5.2 | | | | 98 | Suriname | 4.1 | | | |
| 27 | Israel | 5.2 | | | | 99 | Vietnam | 4.1 | | | |
| 28 | Italy | 5.2 | | | | 100 | Argentina | 4.1 | | | |
| 29 | Luxembourg | 5.1 | | | | 101 | Ecuador | 4.1 | | | |
| 30 | Singapore | 5.1 | | | | 102 | Cambodia | 4.0 | | | |
| 31 | Iceland | 5.1 | | | | 103 | Ghana | 4.0 | | | |
| 32 | Saudi Arabia | 5.1 | | | | 104 | Macedonia, FYR | 4.0 | | | |
| 33 | Slovenia | 5.1 | | | | 105 | Burkina Faso | 4.0 | | | |
| 34 | South Africa | 5.1 | | | | 106 | Malawi | 4.0 | | | |
| 35 | Estonia | 5.0 | | | | 107 | Kyrgyz Republic | 4.0 | | | |
| 36 | Brazil | 5.0 | | | | 108 | Uganda | 4.0 | | | |
| 37 | Mexico | 5.0 | | | | 109 | Guinea | 4.0 | | | |
| 38 | Costa Rica | 5.0 | | | | 110 | Mali | 3.9 | | | |
| 39 | Thailand | 4.9 | | | | 111 | Nicaragua | 3.9 | | | |
| 40 | Slovak Republic | 4.9 | | | | 112 | Romania | 3.9 | | | |
| 41 | Sri Lanka | 4.9 | | | | 113 | Serbia | 3.9 | | | |
| 42 | Senegal | 4.9 | | | | 114 | Botswana | 3.9 | | | |
| 43 | Barbados | 4.9 | | | | 115 | Albania | 3.9 | | | |
| 44 | Portugal | 4.9 | | | | 116 | Sierra Leone | 3.8 | | | |
| 45 | Chile | 4.9 | | | | 117 | Moldova | 3.8 | | | |
| 46 | Lithuania | 4.9 | | | | 118 | Egypt | 3.8 | | | |
| 47 | Gambia, The | 4.9 | | | | 119 | Swaziland | 3.8 | | | |
| 48 | Poland | 4.8 | | | | 120 | Seychelles | 3.8 | | | |
| 49 | Guatemala | 4.8 | | | | 121 | Madagascar | 3.8 | | | |
| 50 | Oman | 4.8 | | | | 122 | Russian Federation | 3.8 | | | |
| 51 | Bahrain | 4.8 | | | | 123 | Iran, Islamic Rep. | 3.8 | | | |
| 52 | Panama | 4.8 | | | | 124 | Gabon | 3.8 | | | |
| 53 | Colombia | 4.8 | | | | 125 | Tanzania | 3.7 | | | |
| 54 | Malta | 4.7 | | | | 126 | Benin | 3.7 | | | |
| 55 | Mauritius | 4.7 | | | | 127 | Bolivia | 3.7 | | | |
| 56 | Turkey | 4.7 | | | | 128 | Cape Verde | 3.7 | | | |
| 57 | Guyana | 4.7 | | | | 129 | Zimbabwe | 3.7 | | | |
| 58 | Latvia | 4.7 | | | | 130 | Libya | 3.6 | | | |
| 59 | Lebanon | 4.7 | | | | 131 | Georgia | 3.6 | | | |
| 60 | El Salvador | 4.6 | | | | 132 | Nepal | 3.6 | | | |
| 61 | Peru | 4.6 | | | | 133 | Mauritania | 3.6 | | | |
| 62 | Indonesia | 4.6 | | | | 134 | Chad | 3.6 | | | |
| 63 | Hungary | 4.6 | | | | 135 | Ethiopia | 3.5 | | | |
| 64 | Kenya | 4.5 | | | | 136 | Venezuela | 3.5 | | | |
| 65 | Cyprus | 4.5 | | | | 137 | Algeria | 3.4 | | | |
| 66 | China | 4.5 | | | | 138 | Mongolia | 3.4 | | | |
| 67 | Greece | 4.5 | | | | 139 | Mozambique | 3.4 | | | |
| 68 | Philippines | 4.5 | | | | 140 | Lesotho | 3.4 | | | |
| 69 | India | 4.5 | | | | 141 | Haiti | 3.3 | | | |
| 70 | Honduras | 4.5 | | | | 142 | Burundi | 3.0 | | | |
| 71 | Brunei Darussalam | 4.4 | | | | 143 | Timor-Leste | 3.0 | | | |
| 72 | Ukraine | 4.4 | | | | 144 | Yemen | 3.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.03 State of cluster development

In your country's economy, how prevalent are well-developed and deep clusters? [1 = nonexistent; 7 = widespread in many fields] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Taiwan, China | 5.5 | | | | 73 | Malta | 3.6 | | | |
| 2 | Italy | 5.3 | | | | 74 | Botswana | 3.6 | | | |
| 3 | Singapore | 5.2 | | | | 75 | Peru | 3.6 | | | |
| 4 | United Arab Emirates | 5.2 | | | | 76 | Barbados | 3.6 | | | |
| 5 | Japan | 5.2 | | | | 77 | Dominican Republic | 3.6 | | | |
| 6 | Finland | 5.2 | | | | 78 | Slovenia | 3.6 | | | |
| 7 | Qatar | 5.1 | | | | 79 | Estonia | 3.5 | | | |
| 8 | Germany | 5.1 | | | | 80 | Uruguay | 3.5 | | | |
| 9 | Switzerland | 5.1 | | | | 81 | Seychelles | 3.5 | | | |
| 10 | United Kingdom | 5.1 | | | | 82 | Ecuador | 3.5 | | | |
| 11 | Hong Kong SAR | 5.1 | | | | 83 | Bolivia | 3.5 | | | |
| 12 | United States | 5.0 | | | | 84 | Trinidad and Tobago | 3.4 | | | |
| 13 | Malaysia | 5.0 | | | | 85 | Iran, Islamic Rep. | 3.4 | | | |
| 14 | Sweden | 5.0 | | | | 86 | El Salvador | 3.4 | | | |
| 15 | Netherlands | 4.9 | | | | 87 | Bulgaria | 3.4 | | | |
| 16 | Canada | 4.9 | | | | 88 | Namibia | 3.4 | | | |
| 17 | Norway | 4.8 | | | | 89 | Mauritania | 3.4 | | | |
| 18 | Austria | 4.8 | | | | 90 | Senegal | 3.4 | | | |
| 19 | Bahrain | 4.7 | | | | 91 | Macedonia, FYR | 3.4 | | | |
| 20 | Belgium | 4.6 | | | | 92 | Nepal | 3.3 | | | |
| 21 | Saudi Arabia | 4.6 | | | | 93 | Argentina | 3.3 | | | |
| 22 | Korea, Rep. | 4.6 | | | | 94 | Croatia | 3.3 | | | |
| 23 | China | 4.6 | | | | 95 | Tanzania | 3.3 | | | |
| 24 | Ireland | 4.6 | | | | 96 | Mozambique | 3.3 | | | |
| 25 | Luxembourg | 4.5 | | | | 97 | Malawi | 3.3 | | | |
| 26 | Denmark | 4.5 | | | | 98 | Poland | 3.2 | | | |
| 27 | Chile | 4.5 | | | | 99 | Latvia | 3.2 | | | |
| 28 | Brazil | 4.5 | | | | 100 | Swaziland | 3.2 | | | |
| 29 | India | 4.5 | | | | 101 | Kuwait | 3.2 | | | |
| 30 | France | 4.5 | | | | 102 | Cameroon | 3.2 | | | |
| 31 | Sri Lanka | 4.3 | | | | 103 | Nicaragua | 3.2 | | | |
| 32 | Puerto Rico | 4.3 | | | | 104 | Hungary | 3.2 | | | |
| 33 | Indonesia | 4.3 | | | | 105 | Ethiopia | 3.2 | | | |
| 34 | Thailand | 4.2 | | | | 106 | Guinea | 3.1 | | | |
| 35 | Mexico | 4.2 | | | | 107 | Romania | 3.1 | | | |
| 36 | Vietnam | 4.2 | | | | 108 | Gabon | 3.1 | | | |
| 37 | Australia | 4.2 | | | | 109 | Lebanon | 3.1 | | | |
| 38 | Philippines | 4.1 | | | | 110 | Kazakhstan | 3.1 | | | |
| 39 | Oman | 4.1 | | | | 111 | Ghana | 3.1 | | | |
| 40 | Iceland | 4.1 | | | | 112 | Uganda | 3.1 | | | |
| 41 | Spain | 4.1 | | | | 113 | Mali | 3.1 | | | |
| 42 | Zambia | 4.1 | | | | 114 | Russian Federation | 3.0 | | | |
| 43 | Turkey | 4.1 | | | | 115 | Lithuania | 3.0 | | | |
| 44 | Guatemala | 4.1 | | | | 116 | Georgia | 3.0 | | | |
| 45 | Cyprus | 4.1 | | | | 117 | Sierra Leone | 3.0 | | | |
| 46 | Jordan | 4.1 | | | | 118 | Cape Verde | 3.0 | | | |
| 47 | South Africa | 4.0 | | | | 119 | Paraguay | 3.0 | | | |
| 48 | Cambodia | 4.0 | | | | 120 | Lesotho | 3.0 | | | |
| 49 | Liberia | 4.0 | | | | 121 | Timor-Leste | 2.9 | | | |
| 50 | Czech Republic | 4.0 | | | | 122 | Suriname | 2.9 | | | |
| 51 | Morocco | 4.0 | | | | 123 | Mongolia | 2.9 | | | |
| 52 | Nigeria | 4.0 | | | | 124 | Chad | 2.9 | | | |
| 53 | Costa Rica | 3.9 | | | | 125 | Montenegro | 2.9 | | | |
| 54 | Portugal | 3.9 | | | | 126 | Greece | 2.9 | | | |
| 55 | Brunei Darussalam | 3.9 | | | | 127 | Ukraine | 2.9 | | | |
| 56 | Mauritius | 3.9 | | | | 128 | Venezuela | 2.9 | | | |
| 57 | Bangladesh | 3.9 | | | | 129 | Zimbabwe | 2.8 | | | |
| 58 | Israel | 3.9 | | | | 130 | Madagascar | 2.8 | | | |
| 59 | Gambia, The | 3.9 | | | | 131 | Côte d'Ivoire | 2.8 | | | |
| 60 | Colombia | 3.9 | | | | 132 | Libya | 2.8 | | | |
| 61 | Jamaica | 3.8 | | | | 133 | Serbia | 2.7 | | | |
| 62 | Pakistan | 3.8 | | | | 134 | Tajikistan | 2.7 | | | |
| 63 | Honduras | 3.8 | | | | 135 | Bosnia and Herzegovina | 2.6 | | | |
| 64 | New Zealand | 3.8 | | | | 136 | Benin | 2.6 | | | |
| 65 | Kenya | 3.8 | | | | 137 | Burkina Faso | 2.5 | | | |
| 66 | Panama | 3.8 | | | | 138 | Haiti | 2.5 | | | |
| 67 | Slovak Republic | 3.8 | | | | 139 | Algeria | 2.4 | | | |
| 68 | Azerbaijan | 3.7 | | | | 140 | Moldova | 2.4 | | | |
| 69 | Rwanda | 3.7 | | | | 141 | Burundi | 2.4 | | | |
| 70 | Egypt | 3.7 | | | | 142 | Kyrgyz Republic | 2.3 | | | |
| 71 | Guyana | 3.7 | | | | 143 | Yemen | 2.2 | | | |
| 72 | Armenia | 3.6 | | | | 144 | Albania | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.04 Nature of competitive advantage

What is the nature of competitive advantage of your country's companies in international markets based upon? [1 = low-cost or natural resources; 7 = unique products and processes] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 6.4 | | | | 73 | Botswana | 3.4 | | | |
| 2 | Japan | 6.4 | | | | 74 | El Salvador | 3.4 | | | |
| 3 | Denmark | 6.1 | | | | 75 | India | 3.4 | | | |
| 4 | Germany | 6.1 | | | | 76 | Egypt | 3.4 | | | |
| 5 | Finland | 6.1 | | | | 77 | Morocco | 3.4 | | | |
| 6 | United Kingdom | 6.0 | | | | 78 | Mongolia | 3.4 | | | |
| 7 | Austria | 6.0 | | | | 79 | Guatemala | 3.4 | | | |
| 8 | Israel | 5.9 | | | | 80 | Colombia | 3.4 | | | |
| 9 | Netherlands | 5.9 | | | | 81 | Georgia | 3.3 | | | |
| 10 | Belgium | 5.8 | | | | 82 | Kuwait | 3.3 | | | |
| 11 | Italy | 5.8 | | | | 83 | Canada | 3.3 | | | |
| 12 | Sweden | 5.7 | | | | 84 | Pakistan | 3.3 | | | |
| 13 | Luxembourg | 5.6 | | | | 85 | Mauritania | 3.3 | | | |
| 14 | Singapore | 5.6 | | | | 86 | Turkey | 3.2 | | | |
| 15 | France | 5.5 | | | | 87 | Ghana | 3.2 | | | |
| 16 | Korea, Rep. | 5.4 | | | | 88 | Zambia | 3.2 | | | |
| 17 | Ireland | 5.4 | | | | 89 | Poland | 3.2 | | | |
| 18 | United States | 5.2 | | | | 90 | Bulgaria | 3.2 | | | |
| 19 | Taiwan, China | 5.1 | | | | 91 | Ecuador | 3.2 | | | |
| 20 | Hong Kong SAR | 5.1 | | | | 92 | Nepal | 3.2 | | | |
| 21 | Puerto Rico | 5.1 | | | | 93 | Lesotho | 3.2 | | | |
| 22 | Barbados | 5.1 | | | | 94 | Namibia | 3.2 | | | |
| 23 | Cyprus | 4.8 | | | | 95 | Uganda | 3.1 | | | |
| 24 | Qatar | 4.7 | | | | 96 | Uruguay | 3.1 | | | |
| 25 | Norway | 4.7 | | | | 97 | Brazil | 3.1 | | | |
| 26 | United Arab Emirates | 4.6 | | | | 98 | Senegal | 3.1 | | | |
| 27 | Seychelles | 4.5 | | | | 99 | Madagascar | 3.1 | | | |
| 28 | Malaysia | 4.5 | | | | 100 | Iran, Islamic Rep. | 3.1 | | | |
| 29 | Costa Rica | 4.3 | | | | 101 | Peru | 3.1 | | | |
| 30 | Saudi Arabia | 4.3 | | | | 102 | Benin | 3.1 | | | |
| 31 | Malta | 4.2 | | | | 103 | Tanzania | 3.1 | | | |
| 32 | Lebanon | 4.2 | | | | 104 | Romania | 3.0 | | | |
| 33 | Spain | 4.2 | | | | 105 | Sierra Leone | 3.0 | | | |
| 34 | Sri Lanka | 4.1 | | | | 106 | Moldova | 3.0 | | | |
| 35 | Slovenia | 4.1 | | | | 107 | South Africa | 3.0 | | | |
| 36 | Czech Republic | 4.1 | | | | 108 | Honduras | 3.0 | | | |
| 37 | Jordan | 4.0 | | | | 109 | Ukraine | 2.9 | | | |
| 38 | Mauritius | 4.0 | | | | 110 | Albania | 2.9 | | | |
| 39 | New Zealand | 4.0 | | | | 111 | Nicaragua | 2.9 | | | |
| 40 | Liberia | 3.9 | | | | 112 | Suriname | 2.9 | | | |
| 41 | Panama | 3.9 | | | | 113 | Dominican Republic | 2.8 | | | |
| 42 | Iceland | 3.9 | | | | 114 | Chile | 2.8 | | | |
| 43 | Croatia | 3.9 | | | | 115 | Slovak Republic | 2.8 | | | |
| 44 | Guyana | 3.9 | | | | 116 | Burkina Faso | 2.8 | | | |
| 45 | Rwanda | 3.8 | | | | 117 | Mali | 2.8 | | | |
| 46 | Azerbaijan | 3.8 | | | | 118 | Yemen | 2.8 | | | |
| 47 | Indonesia | 3.8 | | | | 119 | Burundi | 2.8 | | | |
| 48 | Latvia | 3.8 | | | | 120 | Swaziland | 2.7 | | | |
| 49 | Portugal | 3.8 | | | | 121 | Malawi | 2.7 | | | |
| 50 | Armenia | 3.7 | | | | 122 | Mozambique | 2.7 | | | |
| 51 | Jamaica | 3.7 | | | | 123 | Chad | 2.7 | | | |
| 52 | Lithuania | 3.7 | | | | 124 | Kazakhstan | 2.7 | | | |
| 53 | Cape Verde | 3.7 | | | | 125 | Russian Federation | 2.7 | | | |
| 54 | Gambia, The | 3.7 | | | | 126 | Cameroon | 2.7 | | | |
| 55 | Oman | 3.7 | | | | 127 | Paraguay | 2.7 | | | |
| 56 | China | 3.6 | | | | 128 | Trinidad and Tobago | 2.7 | | | |
| 57 | Greece | 3.6 | | | | 129 | Guinea | 2.6 | | | |
| 58 | Philippines | 3.6 | | | | 130 | Bosnia and Herzegovina | 2.6 | | | |
| 59 | Montenegro | 3.6 | | | | 131 | Haiti | 2.6 | | | |
| 60 | Nigeria | 3.6 | | | | 132 | Libya | 2.6 | | | |
| 61 | Brunei Darussalam | 3.6 | | | | 133 | Macedonia, FYR | 2.6 | | | |
| 62 | Australia | 3.6 | | | | 134 | Serbia | 2.5 | | | |
| 63 | Thailand | 3.5 | | | | 135 | Kyrgyz Republic | 2.5 | | | |
| 64 | Bahrain | 3.5 | | | | 136 | Gabon | 2.5 | | | |
| 65 | Estonia | 3.5 | | | | 137 | Bangladesh | 2.5 | | | |
| 66 | Kenya | 3.5 | | | | 138 | Ethiopia | 2.5 | | | |
| 67 | Bolivia | 3.5 | | | | 139 | Vietnam | 2.5 | | | |
| 68 | Tajikistan | 3.5 | | | | 140 | Venezuela | 2.4 | | | |
| 69 | Timor-Leste | 3.5 | | | | 141 | Argentina | 2.4 | | | |
| 70 | Mexico | 3.5 | | | | 142 | Zimbabwe | 2.4 | | | |
| 71 | Hungary | 3.5 | | | | 143 | Côte d'Ivoire | 2.4 | | | |
| 72 | Cambodia | 3.5 | | | | 144 | Algeria | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.05 Value chain breadth

In your country, do exporting companies have a narrow or broad presence in the value chain? [1 = narrow, primarily involved in individual steps of the value chain (e.g., resource extraction or production); 7 = broad, present across the entire value chain (i.e., do not only produce but also perform product design, marketing sales, logistics, and after-sales services)] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Germany | 6.1 | | | | 73 | Chile | 3.5 | | | |
| 2 | Japan | 6.1 | | | | 74 | Hungary | 3.5 | | | |
| 3 | Switzerland | 5.9 | | | | 75 | El Salvador | 3.5 | | | |
| 4 | Sweden | 5.7 | | | | 76 | Brunei Darussalam | 3.5 | | | |
| 5 | Austria | 5.7 | | | | 77 | Tajikistan | 3.5 | | | |
| 6 | Netherlands | 5.6 | | | | 78 | Montenegro | 3.5 | | | |
| 7 | Finland | 5.6 | | | | 79 | Bolivia | 3.5 | | | |
| 8 | United Kingdom | 5.4 | | | | 80 | Uruguay | 3.5 | | | |
| 9 | France | 5.4 | | | | 81 | Cameroon | 3.4 | | | |
| 10 | Singapore | 5.2 | | | | 82 | Zambia | 3.4 | | | |
| 11 | Belgium | 5.2 | | | | 83 | Guyana | 3.4 | | | |
| 12 | Italy | 5.1 | | | | 84 | Georgia | 3.4 | | | |
| 13 | United States | 5.1 | | | | 85 | Rwanda | 3.4 | | | |
| 14 | Ireland | 5.1 | | | | 86 | Bulgaria | 3.4 | | | |
| 15 | Israel | 5.0 | | | | 87 | Nicaragua | 3.4 | | | |
| 16 | Denmark | 5.0 | | | | 88 | Ecuador | 3.4 | | | |
| 17 | Hong Kong SAR | 5.0 | | | | 89 | Tanzania | 3.4 | | | |
| 18 | United Arab Emirates | 5.0 | | | | 90 | Peru | 3.4 | | | |
| 19 | Taiwan, China | 5.0 | | | | 91 | Armenia | 3.4 | | | |
| 20 | Luxembourg | 4.9 | | | | 92 | Argentina | 3.4 | | | |
| 21 | Malaysia | 4.9 | | | | 93 | Bangladesh | 3.3 | | | |
| 22 | Korea, Rep. | 4.9 | | | | 94 | Greece | 3.3 | | | |
| 23 | Qatar | 4.9 | | | | 95 | Trinidad and Tobago | 3.3 | | | |
| 24 | Saudi Arabia | 4.6 | | | | 96 | Ghana | 3.3 | | | |
| 25 | Czech Republic | 4.5 | | | | 97 | Romania | 3.3 | | | |
| 26 | Spain | 4.5 | | | | 98 | Seychelles | 3.3 | | | |
| 27 | Costa Rica | 4.5 | | | | 99 | Jamaica | 3.3 | | | |
| 28 | Mauritius | 4.4 | | | | 100 | Benin | 3.2 | | | |
| 29 | Sri Lanka | 4.4 | | | | 101 | Mauritania | 3.2 | | | |
| 30 | Indonesia | 4.4 | | | | 102 | Australia | 3.2 | | | |
| 31 | Lebanon | 4.3 | | | | 103 | Uganda | 3.2 | | | |
| 32 | Puerto Rico | 4.2 | | | | 104 | Botswana | 3.2 | | | |
| 33 | Thailand | 4.2 | | | | 105 | Macedonia, FYR | 3.2 | | | |
| 34 | Mexico | 4.2 | | | | 106 | South Africa | 3.2 | | | |
| 35 | Turkey | 4.1 | | | | 107 | Iran, Islamic Rep. | 3.2 | | | |
| 36 | Cyprus | 4.1 | | | | 108 | Suriname | 3.1 | | | |
| 37 | Iceland | 4.1 | | | | 109 | Moldova | 3.1 | | | |
| 38 | India | 4.1 | | | | 110 | Croatia | 3.1 | | | |
| 39 | Senegal | 4.1 | | | | 111 | Kazakhstan | 3.1 | | | |
| 40 | Lithuania | 4.1 | | | | 112 | Madagascar | 3.0 | | | |
| 41 | Panama | 4.1 | | | | 113 | Paraguay | 3.0 | | | |
| 42 | Portugal | 4.0 | | | | 114 | Vietnam | 3.0 | | | |
| 43 | Malta | 4.0 | | | | 115 | Kuwait | 3.0 | | | |
| 44 | Norway | 4.0 | | | | 116 | Ethiopia | 3.0 | | | |
| 45 | New Zealand | 4.0 | | | | 117 | Bosnia and Herzegovina | 3.0 | | | |
| 46 | Barbados | 3.9 | | | | 118 | Chad | 2.9 | | | |
| 47 | Nigeria | 3.9 | | | | 119 | Serbia | 2.9 | | | |
| 48 | Guatemala | 3.9 | | | | 120 | Mongolia | 2.9 | | | |
| 49 | China | 3.8 | | | | 121 | Côte d'Ivoire | 2.9 | | | |
| 50 | Jordan | 3.8 | | | | 122 | Namibia | 2.9 | | | |
| 51 | Canada | 3.8 | | | | 123 | Mali | 2.9 | | | |
| 52 | Cambodia | 3.8 | | | | 124 | Burundi | 2.9 | | | |
| 53 | Kenya | 3.8 | | | | 125 | Timor-Leste | 2.9 | | | |
| 54 | Poland | 3.8 | | | | 126 | Lesotho | 2.8 | | | |
| 55 | Slovenia | 3.8 | | | | 127 | Nepal | 2.8 | | | |
| 56 | Brazil | 3.8 | | | | 128 | Cape Verde | 2.8 | | | |
| 57 | Azerbaijan | 3.8 | | | | 129 | Russian Federation | 2.8 | | | |
| 58 | Slovak Republic | 3.8 | | | | 130 | Swaziland | 2.7 | | | |
| 59 | Liberia | 3.8 | | | | 131 | Haiti | 2.7 | | | |
| 60 | Bahrain | 3.8 | | | | 132 | Malawi | 2.7 | | | |
| 61 | Oman | 3.7 | | | | 133 | Yemen | 2.7 | | | |
| 62 | Ukraine | 3.7 | | | | 134 | Albania | 2.6 | | | |
| 63 | Dominican Republic | 3.7 | | | | 135 | Mozambique | 2.6 | | | |
| 64 | Honduras | 3.6 | | | | 136 | Libya | 2.6 | | | |
| 65 | Pakistan | 3.6 | | | | 137 | Kyrgyz Republic | 2.5 | | | |
| 66 | Philippines | 3.6 | | | | 138 | Sierra Leone | 2.5 | | | |
| 67 | Estonia | 3.6 | | | | 139 | Guinea | 2.5 | | | |
| 68 | Colombia | 3.6 | | | | 140 | Burkina Faso | 2.4 | | | |
| 69 | Latvia | 3.6 | | | | 141 | Zimbabwe | 2.3 | | | |
| 70 | Morocco | 3.6 | | | | 142 | Gabon | 2.3 | | | |
| 71 | Gambia, The | 3.6 | | | | 143 | Algeria | 2.2 | | | |
| 72 | Egypt | 3.6 | | | | 144 | Venezuela | 2.2 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.06 Control of international distribution

To what extent are international distribution and marketing from your country owned and controlled by domestic companies? [1 = not at all, they take place through foreign companies; 7 = extensively, they are primarily owned and controlled by domestic companies] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.0 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 5.6 | | | | 73 | Estonia | 4.0 | | | |
| 2 | Qatar | 5.4 | | | | 74 | Uganda | 4.0 | | | |
| 3 | Germany | 5.3 | | | | 75 | Australia | 4.0 | | | |
| 4 | Switzerland | 5.3 | | | | 76 | Cambodia | 4.0 | | | |
| 5 | United Arab Emirates | 5.2 | | | | 77 | Greece | 4.0 | | | |
| 6 | Iceland | 5.2 | | | | 78 | Paraguay | 4.0 | | | |
| 7 | Saudi Arabia | 5.2 | | | | 79 | Azerbaijan | 4.0 | | | |
| 8 | Austria | 5.2 | | | | 80 | Poland | 3.9 | | | |
| 9 | Israel | 5.1 | | | | 81 | Ecuador | 3.9 | | | |
| 10 | United States | 5.1 | | | | 82 | Nigeria | 3.9 | | | |
| 11 | Korea, Rep. | 5.0 | | | | 83 | Uruguay | 3.9 | | | |
| 12 | Malaysia | 5.0 | | | | 84 | Libya | 3.9 | | | |
| 13 | Hong Kong SAR | 5.0 | | | | 85 | Latvia | 3.9 | | | |
| 14 | United Kingdom | 5.0 | | | | 86 | Portugal | 3.9 | | | |
| 15 | Netherlands | 5.0 | | | | 87 | Pakistan | 3.9 | | | |
| 16 | Denmark | 5.0 | | | | 88 | Ireland | 3.9 | | | |
| 17 | Finland | 5.0 | | | | 89 | Malawi | 3.9 | | | |
| 18 | Lebanon | 4.9 | | | | 90 | Kazakhstan | 3.8 | | | |
| 19 | Sweden | 4.8 | | | | 91 | Argentina | 3.8 | | | |
| 20 | Oman | 4.7 | | | | 92 | Tanzania | 3.8 | | | |
| 21 | Iran, Islamic Rep. | 4.7 | | | | 93 | Jamaica | 3.8 | | | |
| 22 | Taiwan, China | 4.6 | | | | 94 | Kenya | 3.8 | | | |
| 23 | Mauritius | 4.6 | | | | 95 | Senegal | 3.8 | | | |
| 24 | Turkey | 4.6 | | | | 96 | Croatia | 3.8 | | | |
| 25 | Sri Lanka | 4.5 | | | | 97 | Bolivia | 3.8 | | | |
| 26 | South Africa | 4.5 | | | | 98 | Armenia | 3.8 | | | |
| 27 | New Zealand | 4.5 | | | | 99 | Bangladesh | 3.8 | | | |
| 28 | Norway | 4.5 | | | | 100 | Bulgaria | 3.7 | | | |
| 29 | Kuwait | 4.5 | | | | 101 | Macedonia, FYR | 3.7 | | | |
| 30 | Malta | 4.5 | | | | 102 | Rwanda | 3.7 | | | |
| 31 | Cyprus | 4.5 | | | | 103 | Zambia | 3.7 | | | |
| 32 | Lithuania | 4.4 | | | | 104 | Botswana | 3.7 | | | |
| 33 | France | 4.4 | | | | 105 | Georgia | 3.6 | | | |
| 34 | Canada | 4.4 | | | | 106 | Moldova | 3.6 | | | |
| 35 | Brazil | 4.4 | | | | 107 | Seychelles | 3.6 | | | |
| 36 | Bahrain | 4.4 | | | | 108 | Vietnam | 3.6 | | | |
| 37 | Albania | 4.4 | | | | 109 | Ghana | 3.6 | | | |
| 38 | Belgium | 4.4 | | | | 110 | Namibia | 3.6 | | | |
| 39 | Indonesia | 4.4 | | | | 111 | Morocco | 3.6 | | | |
| 40 | Panama | 4.4 | | | | 112 | Czech Republic | 3.6 | | | |
| 41 | China | 4.3 | | | | 113 | Kyrgyz Republic | 3.6 | | | |
| 42 | Singapore | 4.3 | | | | 114 | Romania | 3.6 | | | |
| 43 | Chile | 4.3 | | | | 115 | Hungary | 3.6 | | | |
| 44 | Brunei Darussalam | 4.3 | | | | 116 | Nicaragua | 3.5 | | | |
| 45 | Luxembourg | 4.3 | | | | 117 | Swaziland | 3.5 | | | |
| 46 | Dominican Republic | 4.3 | | | | 118 | Suriname | 3.5 | | | |
| 47 | Slovenia | 4.3 | | | | 119 | Russian Federation | 3.5 | | | |
| 48 | Spain | 4.2 | | | | 120 | Serbia | 3.5 | | | |
| 49 | Jordan | 4.2 | | | | 121 | Timor-Leste | 3.5 | | | |
| 50 | Guyana | 4.2 | | | | 122 | Bosnia and Herzegovina | 3.5 | | | |
| 51 | India | 4.2 | | | | 123 | Nepal | 3.4 | | | |
| 52 | Guatemala | 4.2 | | | | 124 | Venezuela | 3.4 | | | |
| 53 | Montenegro | 4.2 | | | | 125 | Mozambique | 3.4 | | | |
| 54 | Philippines | 4.2 | | | | 126 | Slovak Republic | 3.3 | | | |
| 55 | Barbados | 4.2 | | | | 127 | Zimbabwe | 3.3 | | | |
| 56 | Thailand | 4.2 | | | | 128 | Mali | 3.3 | | | |
| 57 | Mauritania | 4.1 | | | | 129 | Benin | 3.3 | | | |
| 58 | Italy | 4.1 | | | | 130 | Haiti | 3.3 | | | |
| 59 | Honduras | 4.1 | | | | 131 | Cameroon | 3.3 | | | |
| 60 | Ukraine | 4.1 | | | | 132 | Cape Verde | 3.3 | | | |
| 61 | Ethiopia | 4.1 | | | | 133 | Yemen | 3.1 | | | |
| 62 | El Salvador | 4.1 | | | | 134 | Madagascar | 3.1 | | | |
| 63 | Colombia | 4.1 | | | | 135 | Burkina Faso | 3.1 | | | |
| 64 | Gambia, The | 4.1 | | | | 136 | Sierra Leone | 3.0 | | | |
| 65 | Costa Rica | 4.1 | | | | 137 | Côte d'Ivoire | 3.0 | | | |
| 66 | Trinidad and Tobago | 4.1 | | | | 138 | Mongolia | 3.0 | | | |
| 67 | Mexico | 4.1 | | | | 139 | Burundi | 3.0 | | | |
| 68 | Peru | 4.0 | | | | 140 | Lesotho | 3.0 | | | |
| 69 | Puerto Rico | 4.0 | | | | 141 | Guinea | 2.9 | | | |
| 70 | Liberia | 4.0 | | | | 142 | Chad | 2.9 | | | |
| 71 | Tajikistan | 4.0 | | | | 143 | Gabon | 2.8 | | | |
| 72 | Egypt | 4.0 | | | | 144 | Algeria | 2.5 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.07 Production process sophistication

In your country, how sophisticated are production processes? [1 = not at all – labor-intensive methods or previous generations of process technology prevail; 7 = highly – the world's best and most efficient process technology prevails] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.9 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 6.6 | | | | 73 | Pakistan | 3.6 | | | |
| 2 | Switzerland | 6.4 | | | | 74 | Colombia | 3.6 | | | |
| 3 | Germany | 6.4 | | | | 75 | Nigeria | 3.6 | | | |
| 4 | Finland | 6.3 | | | | 76 | Kazakhstan | 3.6 | | | |
| 5 | Netherlands | 6.0 | | | | 77 | Gambia, The | 3.5 | | | |
| 6 | Sweden | 6.0 | | | | 78 | Peru | 3.5 | | | |
| 7 | Austria | 6.0 | | | | 79 | Brunei Darussalam | 3.5 | | | |
| 8 | Belgium | 5.9 | | | | 80 | Ukraine | 3.5 | | | |
| 9 | Ireland | 5.8 | | | | 81 | Benin | 3.5 | | | |
| 10 | Israel | 5.7 | | | | 82 | Dominican Republic | 3.5 | | | |
| 11 | United States | 5.7 | | | | 83 | Ecuador | 3.5 | | | |
| 12 | Qatar | 5.6 | | | | 84 | Armenia | 3.5 | | | |
| 13 | Norway | 5.6 | | | | 85 | Guyana | 3.4 | | | |
| 14 | Luxembourg | 5.6 | | | | 86 | Egypt | 3.4 | | | |
| 15 | Puerto Rico | 5.6 | | | | 87 | Cambodia | 3.4 | | | |
| 16 | Denmark | 5.6 | | | | 88 | Bolivia | 3.4 | | | |
| 17 | United Kingdom | 5.5 | | | | 89 | Montenegro | 3.4 | | | |
| 18 | Singapore | 5.5 | | | | 90 | Bosnia and Herzegovina | 3.4 | | | |
| 19 | France | 5.4 | | | | 91 | Senegal | 3.4 | | | |
| 20 | Taiwan, China | 5.3 | | | | 92 | Honduras | 3.4 | | | |
| 21 | Korea, Rep. | 5.3 | | | | 93 | Bulgaria | 3.4 | | | |
| 22 | Iceland | 5.2 | | | | 94 | Lebanon | 3.4 | | | |
| 23 | Canada | 5.2 | | | | 95 | Cameroon | 3.4 | | | |
| 24 | Australia | 5.1 | | | | 96 | Zambia | 3.3 | | | |
| 25 | Malaysia | 5.1 | | | | 97 | Morocco | 3.3 | | | |
| 26 | Saudi Arabia | 5.1 | | | | 98 | Namibia | 3.3 | | | |
| 27 | United Arab Emirates | 5.0 | | | | 99 | Jamaica | 3.3 | | | |
| 28 | Italy | 4.9 | | | | 100 | Kuwait | 3.3 | | | |
| 29 | New Zealand | 4.8 | | | | 101 | Seychelles | 3.2 | | | |
| 30 | Brazil | 4.7 | | | | 102 | Paraguay | 3.2 | | | |
| 31 | Hong Kong SAR | 4.7 | | | | 103 | Romania | 3.2 | | | |
| 32 | Czech Republic | 4.7 | | | | 104 | Croatia | 3.2 | | | |
| 33 | Costa Rica | 4.7 | | | | 105 | Mongolia | 3.2 | | | |
| 34 | Slovak Republic | 4.5 | | | | 106 | Botswana | 3.2 | | | |
| 35 | Spain | 4.5 | | | | 107 | Ghana | 3.2 | | | |
| 36 | Chile | 4.5 | | | | 108 | El Salvador | 3.1 | | | |
| 37 | Oman | 4.4 | | | | 109 | Suriname | 3.1 | | | |
| 38 | Turkey | 4.4 | | | | 110 | Cape Verde | 3.1 | | | |
| 39 | Malta | 4.3 | | | | 111 | Macedonia, FYR | 3.1 | | | |
| 40 | Mexico | 4.3 | | | | 112 | Georgia | 3.1 | | | |
| 41 | Portugal | 4.3 | | | | 113 | Russian Federation | 3.1 | | | |
| 42 | Bahrain | 4.3 | | | | 114 | Nicaragua | 3.1 | | | |
| 43 | South Africa | 4.2 | | | | 115 | Venezuela | 3.1 | | | |
| 44 | Sri Lanka | 4.2 | | | | 116 | Libya | 3.1 | | | |
| 45 | Estonia | 4.2 | | | | 117 | Tanzania | 3.0 | | | |
| 46 | India | 4.1 | | | | 118 | Vietnam | 3.0 | | | |
| 47 | Mauritius | 4.1 | | | | 119 | Bangladesh | 2.9 | | | |
| 48 | Poland | 4.1 | | | | 120 | Swaziland | 2.9 | | | |
| 49 | Slovenia | 4.0 | | | | 121 | Moldova | 2.8 | | | |
| 50 | Lithuania | 4.0 | | | | 122 | Uganda | 2.8 | | | |
| 51 | Indonesia | 4.0 | | | | 123 | Guinea | 2.8 | | | |
| 52 | Jordan | 4.0 | | | | 124 | Lesotho | 2.8 | | | |
| 53 | Barbados | 4.0 | | | | 125 | Madagascar | 2.7 | | | |
| 54 | Trinidad and Tobago | 3.9 | | | | 126 | Mauritania | 2.7 | | | |
| 55 | Thailand | 3.9 | | | | 127 | Mozambique | 2.7 | | | |
| 56 | Panama | 3.9 | | | | 128 | Serbia | 2.7 | | | |
| 57 | China | 3.9 | | | | 129 | Mali | 2.7 | | | |
| 58 | Argentina | 3.9 | | | | 130 | Côte d'Ivoire | 2.6 | | | |
| 59 | Liberia | 3.8 | | | | 131 | Malawi | 2.6 | | | |
| 60 | Albania | 3.8 | | | | 132 | Chad | 2.6 | | | |
| 61 | Azerbaijan | 3.8 | | | | 133 | Kyrgyz Republic | 2.5 | | | |
| 62 | Guatemala | 3.8 | | | | 134 | Nepal | 2.5 | | | |
| 63 | Cyprus | 3.8 | | | | 135 | Zimbabwe | 2.5 | | | |
| 64 | Philippines | 3.8 | | | | 136 | Gabon | 2.5 | | | |
| 65 | Uruguay | 3.7 | | | | 137 | Yemen | 2.4 | | | |
| 66 | Latvia | 3.7 | | | | 138 | Ethiopia | 2.4 | | | |
| 67 | Hungary | 3.6 | | | | 139 | Burkina Faso | 2.4 | | | |
| 68 | Kenya | 3.6 | | | | 140 | Sierra Leone | 2.3 | | | |
| 69 | Greece | 3.6 | | | | 141 | Algeria | 2.3 | | | |
| 70 | Rwanda | 3.6 | | | | 142 | Timor-Leste | 2.2 | | | |
| 71 | Iran, Islamic Rep. | 3.6 | | | | 143 | Burundi | 2.2 | | | |
| 72 | Tajikistan | 3.6 | | | | 144 | Haiti | 2.1 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.08 Extent of marketing

In your country, to what extent do companies use sophisticated marketing tools and techniques? [1 = very little; 7 = extensively] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | United Kingdom | 6.2 | | | | 73 | Greece | 4.0 | | | |
| 2 | Netherlands | 5.9 | | | | 74 | Trinidad and Tobago | 4.0 | | | |
| 3 | United States | 5.9 | | | | 75 | Paraguay | 4.0 | | | |
| 4 | Switzerland | 5.8 | | | | 76 | Rwanda | 3.9 | | | |
| 5 | Sweden | 5.8 | | | | 77 | Cambodia | 3.9 | | | |
| 6 | Austria | 5.7 | | | | 78 | Honduras | 3.9 | | | |
| 7 | Germany | 5.7 | | | | 79 | Guyana | 3.9 | | | |
| 8 | Qatar | 5.7 | | | | 80 | Brunei Darussalam | 3.9 | | | |
| 9 | Puerto Rico | 5.6 | | | | 81 | Pakistan | 3.8 | | | |
| 10 | Japan | 5.6 | | | | 82 | Morocco | 3.8 | | | |
| 11 | France | 5.6 | | | | 83 | Croatia | 3.8 | | | |
| 12 | Israel | 5.4 | | | | 84 | Kazakhstan | 3.8 | | | |
| 13 | Hong Kong SAR | 5.4 | | | | 85 | Azerbaijan | 3.8 | | | |
| 14 | Canada | 5.4 | | | | 86 | Kenya | 3.8 | | | |
| 15 | Belgium | 5.4 | | | | 87 | Colombia | 3.8 | | | |
| 16 | Ireland | 5.4 | | | | 88 | Gambia, The | 3.8 | | | |
| 17 | Luxembourg | 5.4 | | | | 89 | Venezuela | 3.8 | | | |
| 18 | Denmark | 5.4 | | | | 90 | Romania | 3.8 | | | |
| 19 | Norway | 5.3 | | | | 91 | Kyrgyz Republic | 3.8 | | | |
| 20 | Finland | 5.3 | | | | 92 | Tajikistan | 3.8 | | | |
| 21 | Taiwan, China | 5.3 | | | | 93 | Mongolia | 3.7 | | | |
| 22 | Singapore | 5.3 | | | | 94 | Namibia | 3.7 | | | |
| 23 | United Arab Emirates | 5.3 | | | | 95 | Nigeria | 3.7 | | | |
| 24 | Australia | 5.2 | | | | 96 | El Salvador | 3.7 | | | |
| 25 | New Zealand | 5.2 | | | | 97 | Liberia | 3.7 | | | |
| 26 | Brazil | 5.2 | | | | 98 | Ecuador | 3.7 | | | |
| 27 | Korea, Rep. | 5.2 | | | | 99 | Bosnia and Herzegovina | 3.7 | | | |
| 28 | Iceland | 5.2 | | | | 100 | Egypt | 3.7 | | | |
| 29 | South Africa | 5.1 | | | | 101 | Macedonia, FYR | 3.7 | | | |
| 30 | Malaysia | 5.1 | | | | 102 | Zambia | 3.6 | | | |
| 31 | Saudi Arabia | 5.1 | | | | 103 | Cameroon | 3.6 | | | |
| 32 | Panama | 4.9 | | | | 104 | Georgia | 3.6 | | | |
| 33 | Chile | 4.9 | | | | 105 | Armenia | 3.5 | | | |
| 34 | Sri Lanka | 4.9 | | | | 106 | Seychelles | 3.5 | | | |
| 35 | Turkey | 4.7 | | | | 107 | Bulgaria | 3.5 | | | |
| 36 | Spain | 4.7 | | | | 108 | Moldova | 3.5 | | | |
| 37 | Czech Republic | 4.7 | | | | 109 | Russian Federation | 3.5 | | | |
| 38 | Slovak Republic | 4.6 | | | | 110 | Vietnam | 3.5 | | | |
| 39 | Lebanon | 4.5 | | | | 111 | Côte d'Ivoire | 3.5 | | | |
| 40 | Barbados | 4.5 | | | | 112 | Ghana | 3.4 | | | |
| 41 | Philippines | 4.5 | | | | 113 | Iran, Islamic Rep. | 3.4 | | | |
| 42 | Albania | 4.5 | | | | 114 | Nicaragua | 3.4 | | | |
| 43 | Lithuania | 4.5 | | | | 115 | Mozambique | 3.3 | | | |
| 44 | Portugal | 4.5 | | | | 116 | Bolivia | 3.3 | | | |
| 45 | Costa Rica | 4.4 | | | | 117 | Suriname | 3.3 | | | |
| 46 | Malta | 4.4 | | | | 118 | Botswana | 3.3 | | | |
| 47 | Mexico | 4.4 | | | | 119 | Bangladesh | 3.3 | | | |
| 48 | India | 4.4 | | | | 120 | Cape Verde | 3.3 | | | |
| 49 | Argentina | 4.4 | | | | 121 | Zimbabwe | 3.1 | | | |
| 50 | Guatemala | 4.4 | | | | 122 | Tanzania | 3.1 | | | |
| 51 | Italy | 4.4 | | | | 123 | Madagascar | 3.0 | | | |
| 52 | China | 4.4 | | | | 124 | Libya | 3.0 | | | |
| 53 | Poland | 4.3 | | | | 125 | Benin | 3.0 | | | |
| 54 | Thailand | 4.3 | | | | 126 | Swaziland | 3.0 | | | |
| 55 | Estonia | 4.3 | | | | 127 | Burkina Faso | 2.9 | | | |
| 56 | Indonesia | 4.3 | | | | 128 | Malawi | 2.9 | | | |
| 57 | Peru | 4.2 | | | | 129 | Serbia | 2.9 | | | |
| 58 | Dominican Republic | 4.2 | | | | 130 | Uganda | 2.9 | | | |
| 59 | Hungary | 4.2 | | | | 131 | Lesotho | 2.8 | | | |
| 60 | Montenegro | 4.2 | | | | 132 | Nepal | 2.8 | | | |
| 61 | Ukraine | 4.2 | | | | 133 | Ethiopia | 2.7 | | | |
| 62 | Mauritius | 4.2 | | | | 134 | Yemen | 2.7 | | | |
| 63 | Jordan | 4.2 | | | | 135 | Guinea | 2.6 | | | |
| 64 | Oman | 4.2 | | | | 136 | Chad | 2.6 | | | |
| 65 | Uruguay | 4.2 | | | | 137 | Gabon | 2.5 | | | |
| 66 | Slovenia | 4.1 | | | | 138 | Mali | 2.5 | | | |
| 67 | Bahrain | 4.1 | | | | 139 | Sierra Leone | 2.5 | | | |
| 68 | Jamaica | 4.1 | | | | 140 | Haiti | 2.4 | | | |
| 69 | Senegal | 4.1 | | | | 141 | Mauritania | 2.4 | | | |
| 70 | Kuwait | 4.1 | | | | 142 | Timor-Leste | 2.3 | | | |
| 71 | Cyprus | 4.1 | | | | 143 | Algeria | 2.3 | | | |
| 72 | Latvia | 4.0 | | | | 144 | Burundi | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

11.09 Willingness to delegate authority

In your country, how do you assess the willingness to delegate authority to subordinates? [1 = low – top management controls all important decisions; 7 = high – authority is mostly delegated to business unit heads and other lower-level managers] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Denmark | 6.2 | | | | 73 | Latvia | 3.7 | | | |
| 2 | Sweden | 6.0 | | | | 74 | Libya | 3.7 | | | |
| 3 | Norway | 5.7 | | | | 75 | Czech Republic | 3.7 | | | |
| 4 | Netherlands | 5.7 | | | | 76 | Bosnia and Herzegovina | 3.7 | | | |
| 5 | Qatar | 5.5 | | | | 77 | Chile | 3.7 | | | |
| 6 | Finland | 5.5 | | | | 78 | Peru | 3.7 | | | |
| 7 | New Zealand | 5.4 | | | | 79 | Bolivia | 3.7 | | | |
| 8 | Canada | 5.2 | | | | 80 | Slovak Republic | 3.6 | | | |
| 9 | Switzerland | 5.2 | | | | 81 | Malta | 3.6 | | | |
| 10 | United States | 5.1 | | | | 82 | Tajikistan | 3.6 | | | |
| 11 | Iceland | 5.1 | | | | 83 | Argentina | 3.6 | | | |
| 12 | Ireland | 5.0 | | | | 84 | Malawi | 3.6 | | | |
| 13 | Australia | 5.0 | | | | 85 | Kazakhstan | 3.6 | | | |
| 14 | Malaysia | 5.0 | | | | 86 | Kenya | 3.6 | | | |
| 15 | Belgium | 5.0 | | | | 87 | El Salvador | 3.6 | | | |
| 16 | Germany | 4.9 | | | | 88 | France | 3.5 | | | |
| 17 | United Kingdom | 4.9 | | | | 89 | Ecuador | 3.5 | | | |
| 18 | United Arab Emirates | 4.8 | | | | 90 | Cameroon | 3.5 | | | |
| 19 | Israel | 4.7 | | | | 91 | Dominican Republic | 3.5 | | | |
| 20 | Puerto Rico | 4.7 | | | | 92 | Uganda | 3.5 | | | |
| 21 | Singapore | 4.6 | | | | 93 | Jamaica | 3.4 | | | |
| 22 | Austria | 4.6 | | | | 94 | Pakistan | 3.4 | | | |
| 23 | Hong Kong SAR | 4.6 | | | | 95 | Portugal | 3.4 | | | |
| 24 | Saudi Arabia | 4.6 | | | | 96 | Uruguay | 3.4 | | | |
| 25 | Japan | 4.5 | | | | 97 | Turkey | 3.3 | | | |
| 26 | Sri Lanka | 4.5 | | | | 98 | Lesotho | 3.3 | | | |
| 27 | Philippines | 4.5 | | | | 99 | Ghana | 3.3 | | | |
| 28 | Luxembourg | 4.4 | | | | 100 | Moldova | 3.3 | | | |
| 29 | Costa Rica | 4.4 | | | | 101 | Morocco | 3.3 | | | |
| 30 | Taiwan, China | 4.4 | | | | 102 | Nicaragua | 3.3 | | | |
| 31 | Oman | 4.4 | | | | 103 | Bulgaria | 3.3 | | | |
| 32 | Estonia | 4.4 | | | | 104 | Italy | 3.3 | | | |
| 33 | South Africa | 4.3 | | | | 105 | Vietnam | 3.3 | | | |
| 34 | Kuwait | 4.3 | | | | 106 | Trinidad and Tobago | 3.2 | | | |
| 35 | Gambia, The | 4.3 | | | | 107 | Cape Verde | 3.2 | | | |
| 36 | Brazil | 4.2 | | | | 108 | Armenia | 3.2 | | | |
| 37 | Rwanda | 4.2 | | | | 109 | Croatia | 3.2 | | | |
| 38 | Yemen | 4.2 | | | | 110 | Greece | 3.2 | | | |
| 39 | Barbados | 4.2 | | | | 111 | Suriname | 3.2 | | | |
| 40 | Indonesia | 4.1 | | | | 112 | Romania | 3.2 | | | |
| 41 | Montenegro | 4.1 | | | | 113 | Timor-Leste | 3.2 | | | |
| 42 | Bahrain | 4.0 | | | | 114 | Madagascar | 3.2 | | | |
| 43 | Korea, Rep. | 4.0 | | | | 115 | Swaziland | 3.2 | | | |
| 44 | Jordan | 4.0 | | | | 116 | Venezuela | 3.2 | | | |
| 45 | Egypt | 4.0 | | | | 117 | Russian Federation | 3.2 | | | |
| 46 | Botswana | 4.0 | | | | 118 | Ukraine | 3.1 | | | |
| 47 | Slovenia | 4.0 | | | | 119 | Iran, Islamic Rep. | 3.1 | | | |
| 48 | Zambia | 3.9 | | | | 120 | Ethiopia | 3.1 | | | |
| 49 | Albania | 3.9 | | | | 121 | Sierra Leone | 3.1 | | | |
| 50 | India | 3.9 | | | | 122 | Senegal | 3.1 | | | |
| 51 | Nigeria | 3.9 | | | | 123 | Paraguay | 3.1 | | | |
| 52 | Liberia | 3.9 | | | | 124 | Benin | 3.0 | | | |
| 53 | Guatemala | 3.9 | | | | 125 | Kyrgyz Republic | 3.0 | | | |
| 54 | China | 3.8 | | | | 126 | Hungary | 3.0 | | | |
| 55 | Colombia | 3.8 | | | | 127 | Georgia | 3.0 | | | |
| 56 | Mauritius | 3.8 | | | | 128 | Lebanon | 3.0 | | | |
| 57 | Cyprus | 3.8 | | | | 129 | Macedonia, FYR | 3.0 | | | |
| 58 | Cambodia | 3.8 | | | | 130 | Côte d'Ivoire | 2.9 | | | |
| 59 | Brunei Darussalam | 3.8 | | | | 131 | Mongolia | 2.9 | | | |
| 60 | Honduras | 3.8 | | | | 132 | Guinea | 2.9 | | | |
| 61 | Mexico | 3.8 | | | | 133 | Nepal | 2.9 | | | |
| 62 | Lithuania | 3.8 | | | | 134 | Gabon | 2.9 | | | |
| 63 | Panama | 3.8 | | | | 135 | Mozambique | 2.9 | | | |
| 64 | Spain | 3.8 | | | | 136 | Mauritania | 2.9 | | | |
| 65 | Azerbaijan | 3.8 | | | | 137 | Mali | 2.8 | | | |
| 66 | Zimbabwe | 3.8 | | | | 138 | Bangladesh | 2.8 | | | |
| 67 | Tanzania | 3.7 | | | | 139 | Serbia | 2.6 | | | |
| 68 | Thailand | 3.7 | | | | 140 | Chad | 2.5 | | | |
| 69 | Guyana | 3.7 | | | | 141 | Haiti | 2.4 | | | |
| 70 | Poland | 3.7 | | | | 142 | Burundi | 2.4 | | | |
| 71 | Seychelles | 3.7 | | | | 143 | Burkina Faso | 2.3 | | | |
| 72 | Namibia | 3.7 | | | | 144 | Algeria | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

Pillar 12

Innovation

12.01 Capacity for innovation

In your country, how do companies obtain technology? [1 = exclusively from licensing or imitating foreign companies; 7 = by conducting formal research and pioneering their own new products and processes] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Japan | 5.9 | | | | 73 | Mongolia | 3.1 | | | |
| 2 | Switzerland | 5.8 | | | | 74 | Uruguay | 3.1 | | | |
| 3 | Germany | 5.7 | | | | 75 | Mexico | 3.1 | | | |
| 4 | Finland | 5.6 | | | | 76 | Zambia | 3.1 | | | |
| 5 | Sweden | 5.5 | | | | 77 | Romania | 3.1 | | | |
| 6 | Israel | 5.4 | | | | 78 | Vietnam | 3.0 | | | |
| 7 | United States | 5.2 | | | | 79 | Thailand | 3.0 | | | |
| 8 | Netherlands | 5.1 | | | | 80 | Egypt | 3.0 | | | |
| 9 | Austria | 5.0 | | | | 81 | Ghana | 3.0 | | | |
| 10 | France | 5.0 | | | | 82 | Ecuador | 3.0 | | | |
| 11 | Belgium | 5.0 | | | | 83 | Chile | 3.0 | | | |
| 12 | United Kingdom | 5.0 | | | | 84 | Seychelles | 3.0 | | | |
| 13 | Denmark | 4.9 | | | | 85 | Jamaica | 2.9 | | | |
| 14 | Norway | 4.7 | | | | 86 | Philippines | 2.9 | | | |
| 15 | Taiwan, China | 4.7 | | | | 87 | Nicaragua | 2.9 | | | |
| 16 | Luxembourg | 4.6 | | | | 88 | Slovak Republic | 2.9 | | | |
| 17 | Malaysia | 4.6 | | | | 89 | Cyprus | 2.9 | | | |
| 18 | Qatar | 4.6 | | | | 90 | Namibia | 2.9 | | | |
| 19 | Korea, Rep. | 4.5 | | | | 91 | Barbados | 2.9 | | | |
| 20 | Singapore | 4.4 | | | | 92 | Kazakhstan | 2.9 | | | |
| 21 | Iceland | 4.4 | | | | 93 | Sri Lanka | 2.9 | | | |
| 22 | Czech Republic | 4.1 | | | | 94 | Panama | 2.9 | | | |
| 23 | China | 4.1 | | | | 95 | Argentina | 2.9 | | | |
| 24 | New Zealand | 4.1 | | | | 96 | Botswana | 2.8 | | | |
| 25 | Canada | 4.1 | | | | 97 | Madagascar | 2.8 | | | |
| 26 | Ireland | 4.0 | | | | 98 | Honduras | 2.8 | | | |
| 27 | United Arab Emirates | 4.0 | | | | 99 | Macedonia, FYR | 2.8 | | | |
| 28 | Italy | 4.0 | | | | 100 | Malawi | 2.8 | | | |
| 29 | Saudi Arabia | 3.9 | | | | 101 | Bosnia and Herzegovina | 2.8 | | | |
| 30 | Indonesia | 3.9 | | | | 102 | Uganda | 2.8 | | | |
| 31 | Slovenia | 3.9 | | | | 103 | Peru | 2.8 | | | |
| 32 | Australia | 3.9 | | | | 104 | Greece | 2.7 | | | |
| 33 | Estonia | 3.8 | | | | 105 | Chad | 2.7 | | | |
| 34 | Brazil | 3.7 | | | | 106 | Suriname | 2.7 | | | |
| 35 | Guyana | 3.7 | | | | 107 | El Salvador | 2.7 | | | |
| 36 | Liberia | 3.6 | | | | 108 | Mauritania | 2.7 | | | |
| 37 | Hong Kong SAR | 3.6 | | | | 109 | Paraguay | 2.7 | | | |
| 38 | Puerto Rico | 3.6 | | | | 110 | Cameroon | 2.7 | | | |
| 39 | Azerbaijan | 3.5 | | | | 111 | Mali | 2.7 | | | |
| 40 | Portugal | 3.5 | | | | 112 | Mauritius | 2.7 | | | |
| 41 | South Africa | 3.5 | | | | 113 | Kuwait | 2.6 | | | |
| 42 | India | 3.5 | | | | 114 | Lebanon | 2.6 | | | |
| 43 | Costa Rica | 3.5 | | | | 115 | Morocco | 2.6 | | | |
| 44 | Spain | 3.5 | | | | 116 | Georgia | 2.5 | | | |
| 45 | Hungary | 3.5 | | | | 117 | Bahrain | 2.5 | | | |
| 46 | Kenya | 3.5 | | | | 118 | Dominican Republic | 2.5 | | | |
| 47 | Lithuania | 3.4 | | | | 119 | Lesotho | 2.5 | | | |
| 48 | Turkey | 3.4 | | | | 120 | Serbia | 2.5 | | | |
| 49 | Latvia | 3.4 | | | | 121 | Benin | 2.5 | | | |
| 50 | Oman | 3.4 | | | | 122 | Moldova | 2.5 | | | |
| 51 | Tajikistan | 3.4 | | | | 123 | Libya | 2.5 | | | |
| 52 | Gambia, The | 3.3 | | | | 124 | Trinidad and Tobago | 2.4 | | | |
| 53 | Montenegro | 3.3 | | | | 125 | Timor-Leste | 2.4 | | | |
| 54 | Poland | 3.3 | | | | 126 | Nepal | 2.4 | | | |
| 55 | Rwanda | 3.3 | | | | 127 | Guinea | 2.4 | | | |
| 56 | Russian Federation | 3.3 | | | | 128 | Albania | 2.4 | | | |
| 57 | Jordan | 3.3 | | | | 129 | Zimbabwe | 2.4 | | | |
| 58 | Ukraine | 3.3 | | | | 130 | Swaziland | 2.4 | | | |
| 59 | Iran, Islamic Rep. | 3.3 | | | | 131 | Bangladesh | 2.4 | | | |
| 60 | Pakistan | 3.3 | | | | 132 | Mozambique | 2.3 | | | |
| 61 | Bolivia | 3.2 | | | | 133 | Ethiopia | 2.3 | | | |
| 62 | Armenia | 3.2 | | | | 134 | Venezuela | 2.3 | | | |
| 63 | Nigeria | 3.2 | | | | 135 | Burkina Faso | 2.3 | | | |
| 64 | Bulgaria | 3.2 | | | | 136 | Sierra Leone | 2.3 | | | |
| 65 | Cambodia | 3.2 | | | | 137 | Cape Verde | 2.3 | | | |
| 66 | Colombia | 3.2 | | | | 138 | Haiti | 2.3 | | | |
| 67 | Guatemala | 3.2 | | | | 139 | Côte d'Ivoire | 2.2 | | | |
| 68 | Brunei Darussalam | 3.2 | | | | 140 | Kyrgyz Republic | 2.1 | | | |
| 69 | Senegal | 3.2 | | | | 141 | Gabon | 2.0 | | | |
| 70 | Malta | 3.2 | | | | 142 | Yemen | 1.9 | | | |
| 71 | Tanzania | 3.1 | | | | 143 | Algeria | 1.9 | | | |
| 72 | Croatia | 3.1 | | | | 144 | Burundi | 1.8 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.02 Quality of scientific research institutions

How would you assess the quality of scientific research institutions in your country? [1 = very poor; 7 = the best in their field internationally] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.8 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Israel | 6.3 | | | | 73 | Botswana | 3.6 | | | |
| 2 | Switzerland | 6.3 | | | | 74 | Oman | 3.5 | | | |
| 3 | United Kingdom | 6.2 | | | | 75 | Bulgaria | 3.5 | | | |
| 4 | Belgium | 5.9 | | | | 76 | Tajikistan | 3.5 | | | |
| 5 | Qatar | 5.8 | | | | 77 | Jordan | 3.5 | | | |
| 6 | United States | 5.8 | | | | 78 | Pakistan | 3.5 | | | |
| 7 | Australia | 5.8 | | | | 79 | Ghana | 3.5 | | | |
| 8 | Netherlands | 5.7 | | | | 80 | Liberia | 3.5 | | | |
| 9 | Sweden | 5.6 | | | | 81 | Zambia | 3.5 | | | |
| 10 | Germany | 5.6 | | | | 82 | Brunei Darussalam | 3.4 | | | |
| 11 | Japan | 5.6 | | | | 83 | Mauritius | 3.4 | | | |
| 12 | Singapore | 5.6 | | | | 84 | Romania | 3.4 | | | |
| 13 | Finland | 5.5 | | | | 85 | Colombia | 3.4 | | | |
| 14 | Ireland | 5.5 | | | | 86 | Uganda | 3.4 | | | |
| 15 | France | 5.5 | | | | 87 | Vietnam | 3.4 | | | |
| 16 | Canada | 5.5 | | | | 88 | Turkey | 3.4 | | | |
| 17 | New Zealand | 5.4 | | | | 89 | Malawi | 3.4 | | | |
| 18 | Denmark | 5.3 | | | | 90 | Slovak Republic | 3.4 | | | |
| 19 | Taiwan, China | 5.2 | | | | 91 | Cameroon | 3.4 | | | |
| 20 | Hungary | 5.1 | | | | 92 | Namibia | 3.4 | | | |
| 21 | Austria | 5.1 | | | | 93 | Greece | 3.3 | | | |
| 22 | Portugal | 5.0 | | | | 94 | Bolivia | 3.3 | | | |
| 23 | Iceland | 5.0 | | | | 95 | Seychelles | 3.3 | | | |
| 24 | Korea, Rep. | 4.9 | | | | 96 | Guyana | 3.3 | | | |
| 25 | Estonia | 4.9 | | | | 97 | Nigeria | 3.2 | | | |
| 26 | Czech Republic | 4.9 | | | | 98 | Trinidad and Tobago | 3.2 | | | |
| 27 | Norway | 4.9 | | | | 99 | Macedonia, FYR | 3.2 | | | |
| 28 | Malaysia | 4.9 | | | | 100 | Ethiopia | 3.2 | | | |
| 29 | Slovenia | 4.8 | | | | 101 | Benin | 3.2 | | | |
| 30 | Luxembourg | 4.8 | | | | 102 | Philippines | 3.2 | | | |
| 31 | Hong Kong SAR | 4.7 | | | | 103 | Kuwait | 3.2 | | | |
| 32 | Lithuania | 4.7 | | | | 104 | Morocco | 3.2 | | | |
| 33 | Costa Rica | 4.6 | | | | 105 | Mongolia | 3.2 | | | |
| 34 | South Africa | 4.6 | | | | 106 | Guatemala | 3.1 | | | |
| 35 | United Arab Emirates | 4.6 | | | | 107 | Bahrain | 3.1 | | | |
| 36 | Spain | 4.6 | | | | 108 | Kazakhstan | 3.0 | | | |
| 37 | Saudi Arabia | 4.5 | | | | 109 | Madagascar | 3.0 | | | |
| 38 | Puerto Rico | 4.5 | | | | 110 | Ecuador | 3.0 | | | |
| 39 | India | 4.4 | | | | 111 | Armenia | 3.0 | | | |
| 40 | Iran, Islamic Rep. | 4.2 | | | | 112 | Mozambique | 2.9 | | | |
| 41 | Barbados | 4.2 | | | | 113 | Côte d'Ivoire | 2.9 | | | |
| 42 | Chile | 4.2 | | | | 114 | Egypt | 2.9 | | | |
| 43 | Italy | 4.2 | | | | 115 | Zimbabwe | 2.9 | | | |
| 44 | China | 4.2 | | | | 116 | Peru | 2.8 | | | |
| 45 | Poland | 4.1 | | | | 117 | Honduras | 2.8 | | | |
| 46 | Brazil | 4.1 | | | | 118 | Venezuela | 2.8 | | | |
| 47 | Argentina | 4.1 | | | | 119 | Cape Verde | 2.8 | | | |
| 48 | Croatia | 4.1 | | | | 120 | Chad | 2.7 | | | |
| 49 | Mexico | 4.0 | | | | 121 | Mauritania | 2.7 | | | |
| 50 | Kenya | 4.0 | | | | 122 | Libya | 2.7 | | | |
| 51 | Cyprus | 4.0 | | | | 123 | Gabon | 2.7 | | | |
| 52 | Jamaica | 4.0 | | | | 124 | Nicaragua | 2.7 | | | |
| 53 | Panama | 4.0 | | | | 125 | Georgia | 2.6 | | | |
| 54 | Montenegro | 3.9 | | | | 126 | Dominican Republic | 2.6 | | | |
| 55 | Senegal | 3.9 | | | | 127 | Bangladesh | 2.5 | | | |
| 56 | Indonesia | 3.9 | | | | 128 | Suriname | 2.5 | | | |
| 57 | Sri Lanka | 3.9 | | | | 129 | Lebanon | 2.5 | | | |
| 58 | Latvia | 3.8 | | | | 130 | Guinea | 2.5 | | | |
| 59 | Burkina Faso | 3.7 | | | | 131 | Moldova | 2.4 | | | |
| 60 | Thailand | 3.7 | | | | 132 | Albania | 2.4 | | | |
| 61 | Gambia, The | 3.7 | | | | 133 | Swaziland | 2.3 | | | |
| 62 | Uruguay | 3.7 | | | | 134 | Timor-Leste | 2.3 | | | |
| 63 | Malta | 3.7 | | | | 135 | Burundi | 2.3 | | | |
| 64 | Ukraine | 3.7 | | | | 136 | El Salvador | 2.3 | | | |
| 65 | Azerbaijan | 3.7 | | | | 137 | Nepal | 2.2 | | | |
| 66 | Mali | 3.6 | | | | 138 | Lesotho | 2.2 | | | |
| 67 | Serbia | 3.6 | | | | 139 | Sierra Leone | 2.1 | | | |
| 68 | Cambodia | 3.6 | | | | 140 | Kyrgyz Republic | 2.1 | | | |
| 69 | Rwanda | 3.6 | | | | 141 | Algeria | 2.1 | | | |
| 70 | Russian Federation | 3.6 | | | | 142 | Paraguay | 2.0 | | | |
| 71 | Tanzania | 3.6 | | | | 143 | Yemen | 1.9 | | | |
| 72 | Bosnia and Herzegovina | 3.6 | | | | 144 | Haiti | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.03 Company spending on R&D

To what extent do companies in your country spend on R&D? [1 = do not spend on R&D; 7 = spend heavily on R&D] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.3 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Switzerland | 5.9 | | | | 73 | Ecuador | 3.1 | | | |
| 2 | Japan | 5.8 | | | | 74 | Thailand | 3.1 | | | |
| 3 | Finland | 5.6 | | | | 75 | Vietnam | 3.1 | | | |
| 4 | Germany | 5.5 | | | | 76 | Croatia | 3.0 | | | |
| 5 | Sweden | 5.5 | | | | 77 | Benin | 3.0 | | | |
| 6 | Israel | 5.4 | | | | 78 | Cameroon | 3.0 | | | |
| 7 | United States | 5.3 | | | | 79 | Russian Federation | 3.0 | | | |
| 8 | Singapore | 5.1 | | | | 80 | Honduras | 3.0 | | | |
| 9 | Denmark | 4.9 | | | | 81 | Cyprus | 3.0 | | | |
| 10 | Taiwan, China | 4.9 | | | | 82 | Sri Lanka | 3.0 | | | |
| 11 | Korea, Rep. | 4.9 | | | | 83 | Albania | 3.0 | | | |
| 12 | United Kingdom | 4.8 | | | | 84 | Mongolia | 2.9 | | | |
| 13 | Austria | 4.8 | | | | 85 | Slovak Republic | 2.9 | | | |
| 14 | Netherlands | 4.7 | | | | 86 | Namibia | 2.9 | | | |
| 15 | Luxembourg | 4.7 | | | | 87 | Romania | 2.9 | | | |
| 16 | Malaysia | 4.7 | | | | 88 | Poland | 2.9 | | | |
| 17 | Belgium | 4.7 | | | | 89 | Uganda | 2.9 | | | |
| 18 | Qatar | 4.6 | | | | 90 | Bosnia and Herzegovina | 2.9 | | | |
| 19 | France | 4.6 | | | | 91 | Argentina | 2.9 | | | |
| 20 | Norway | 4.3 | | | | 92 | Bulgaria | 2.9 | | | |
| 21 | Ireland | 4.3 | | | | 93 | Madagascar | 2.9 | | | |
| 22 | United Arab Emirates | 4.2 | | | | 94 | Kazakhstan | 2.9 | | | |
| 23 | Saudi Arabia | 4.2 | | | | 95 | Jordan | 2.8 | | | |
| 24 | China | 4.1 | | | | 96 | Mauritius | 2.8 | | | |
| 25 | Indonesia | 3.9 | | | | 97 | Iran, Islamic Rep. | 2.8 | | | |
| 26 | Canada | 3.9 | | | | 98 | Ghana | 2.8 | | | |
| 27 | Iceland | 3.9 | | | | 99 | Dominican Republic | 2.8 | | | |
| 28 | Czech Republic | 3.9 | | | | 100 | Trinidad and Tobago | 2.8 | | | |
| 29 | Hong Kong SAR | 3.8 | | | | 101 | Mali | 2.8 | | | |
| 30 | Australia | 3.8 | | | | 102 | Nicaragua | 2.8 | | | |
| 31 | Kenya | 3.7 | | | | 103 | Hungary | 2.7 | | | |
| 32 | Italy | 3.6 | | | | 104 | Ukraine | 2.7 | | | |
| 33 | Brazil | 3.6 | | | | 105 | Guinea | 2.7 | | | |
| 34 | Panama | 3.6 | | | | 106 | El Salvador | 2.7 | | | |
| 35 | Puerto Rico | 3.6 | | | | 107 | Jamaica | 2.7 | | | |
| 36 | New Zealand | 3.5 | | | | 108 | Seychelles | 2.7 | | | |
| 37 | India | 3.5 | | | | 109 | Burkina Faso | 2.7 | | | |
| 38 | Zambia | 3.5 | | | | 110 | Paraguay | 2.7 | | | |
| 39 | South Africa | 3.5 | | | | 111 | Armenia | 2.7 | | | |
| 40 | Liberia | 3.5 | | | | 112 | Kuwait | 2.7 | | | |
| 41 | Costa Rica | 3.5 | | | | 113 | Bahrain | 2.7 | | | |
| 42 | Estonia | 3.4 | | | | 114 | Mauritania | 2.6 | | | |
| 43 | Portugal | 3.4 | | | | 115 | Suriname | 2.6 | | | |
| 44 | Azerbaijan | 3.4 | | | | 116 | Egypt | 2.6 | | | |
| 45 | Oman | 3.4 | | | | 117 | Malawi | 2.6 | | | |
| 46 | Guyana | 3.4 | | | | 118 | Peru | 2.6 | | | |
| 47 | Slovenia | 3.4 | | | | 119 | Morocco | 2.6 | | | |
| 48 | Spain | 3.3 | | | | 120 | Côte d'Ivoire | 2.6 | | | |
| 49 | Senegal | 3.3 | | | | 121 | Nepal | 2.6 | | | |
| 50 | Malta | 3.3 | | | | 122 | Lebanon | 2.6 | | | |
| 51 | Pakistan | 3.3 | | | | 123 | Macedonia, FYR | 2.5 | | | |
| 52 | Cambodia | 3.3 | | | | 124 | Zimbabwe | 2.5 | | | |
| 53 | Chad | 3.3 | | | | 125 | Georgia | 2.5 | | | |
| 54 | Gambia, The | 3.3 | | | | 126 | Lesotho | 2.5 | | | |
| 55 | Tanzania | 3.3 | | | | 127 | Venezuela | 2.5 | | | |
| 56 | Turkey | 3.2 | | | | 128 | Mozambique | 2.5 | | | |
| 57 | Uruguay | 3.2 | | | | 129 | Greece | 2.4 | | | |
| 58 | Philippines | 3.2 | | | | 130 | Bangladesh | 2.4 | | | |
| 59 | Mexico | 3.2 | | | | 131 | Swaziland | 2.3 | | | |
| 60 | Brunei Darussalam | 3.2 | | | | 132 | Serbia | 2.3 | | | |
| 61 | Chile | 3.2 | | | | 133 | Cape Verde | 2.3 | | | |
| 62 | Botswana | 3.2 | | | | 134 | Timor-Leste | 2.3 | | | |
| 63 | Montenegro | 3.2 | | | | 135 | Burundi | 2.2 | | | |
| 64 | Lithuania | 3.2 | | | | 136 | Gabon | 2.2 | | | |
| 65 | Tajikistan | 3.2 | | | | 137 | Haiti | 2.2 | | | |
| 66 | Guatemala | 3.1 | | | | 138 | Libya | 2.2 | | | |
| 67 | Latvia | 3.1 | | | | 139 | Ethiopia | 2.2 | | | |
| 68 | Nigeria | 3.1 | | | | 140 | Moldova | 2.1 | | | |
| 69 | Colombia | 3.1 | | | | 141 | Kyrgyz Republic | 1.9 | | | |
| 70 | Rwanda | 3.1 | | | | 142 | Sierra Leone | 1.9 | | | |
| 71 | Bolivia | 3.1 | | | | 143 | Algeria | 1.8 | | | |
| 72 | Barbados | 3.1 | | | | 144 | Yemen | 1.7 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.04 University-industry collaboration in R&D

To what extent do business and universities collaborate on research and development (R&D) in your country? [1 = do not collaborate at all; 7 = collaborate extensively] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.7 | 7 |
|------|------------------------|-------|---|----------|---|------|---------------------|-------|---|----------|---|
| 1 | Switzerland | 5.9 | | | | 73 | Namibia | 3.5 | | | |
| 2 | United Kingdom | 5.8 | | | | 74 | Liberia | 3.5 | | | |
| 3 | United States | 5.6 | | | | 75 | Malawi | 3.5 | | | |
| 4 | Finland | 5.6 | | | | 76 | Trinidad and Tobago | 3.5 | | | |
| 5 | Singapore | 5.6 | | | | 77 | Jamaica | 3.5 | | | |
| 6 | Belgium | 5.5 | | | | 78 | Mozambique | 3.5 | | | |
| 7 | Sweden | 5.4 | | | | 79 | Philippines | 3.5 | | | |
| 8 | Israel | 5.4 | | | | 80 | Croatia | 3.5 | | | |
| 9 | Qatar | 5.4 | | | | 81 | Pakistan | 3.4 | | | |
| 10 | Netherlands | 5.3 | | | | 82 | Azerbaijan | 3.4 | | | |
| 11 | Germany | 5.2 | | | | 83 | Tajikistan | 3.4 | | | |
| 12 | Taiwan, China | 5.2 | | | | 84 | Ecuador | 3.4 | | | |
| 13 | Australia | 5.1 | | | | 85 | Russian Federation | 3.4 | | | |
| 14 | Ireland | 5.1 | | | | 86 | Senegal | 3.4 | | | |
| 15 | Canada | 5.1 | | | | 87 | Iran, Islamic Rep. | 3.4 | | | |
| 16 | Japan | 5.0 | | | | 88 | Bolivia | 3.3 | | | |
| 17 | Luxembourg | 5.0 | | | | 89 | Dominican Republic | 3.3 | | | |
| 18 | Malaysia | 5.0 | | | | 90 | Kazakhstan | 3.3 | | | |
| 19 | Norway | 5.0 | | | | 91 | Mauritius | 3.3 | | | |
| 20 | Iceland | 4.9 | | | | 92 | El Salvador | 3.3 | | | |
| 21 | Denmark | 4.9 | | | | 93 | Jordan | 3.3 | | | |
| 22 | Austria | 4.9 | | | | 94 | Guyana | 3.3 | | | |
| 23 | New Zealand | 4.9 | | | | 95 | Lebanon | 3.3 | | | |
| 24 | Hong Kong SAR | 4.8 | | | | 96 | Honduras | 3.2 | | | |
| 25 | Korea, Rep. | 4.7 | | | | 97 | Vietnam | 3.2 | | | |
| 26 | United Arab Emirates | 4.6 | | | | 98 | Cameroon | 3.2 | | | |
| 27 | Portugal | 4.6 | | | | 99 | Serbia | 3.2 | | | |
| 28 | Czech Republic | 4.5 | | | | 100 | Slovak Republic | 3.2 | | | |
| 29 | Lithuania | 4.5 | | | | 101 | Mongolia | 3.2 | | | |
| 30 | South Africa | 4.5 | | | | 102 | Madagascar | 3.2 | | | |
| 31 | Saudi Arabia | 4.5 | | | | 103 | Ethiopia | 3.2 | | | |
| 32 | Puerto Rico | 4.5 | | | | 104 | Burkina Faso | 3.2 | | | |
| 33 | France | 4.4 | | | | 105 | Macedonia, FYR | 3.2 | | | |
| 34 | Estonia | 4.4 | | | | 106 | Suriname | 3.2 | | | |
| 35 | China | 4.4 | | | | 107 | Ghana | 3.2 | | | |
| 36 | Costa Rica | 4.4 | | | | 108 | Nicaragua | 3.1 | | | |
| 37 | Hungary | 4.3 | | | | 109 | Cape Verde | 3.1 | | | |
| 38 | Barbados | 4.3 | | | | 110 | Peru | 3.1 | | | |
| 39 | Chile | 4.2 | | | | 111 | Mali | 3.1 | | | |
| 40 | Indonesia | 4.2 | | | | 112 | Zimbabwe | 3.1 | | | |
| 41 | Kenya | 4.2 | | | | 113 | Romania | 3.1 | | | |
| 42 | Mexico | 4.1 | | | | 114 | Benin | 3.0 | | | |
| 43 | Panama | 4.1 | | | | 115 | Bahrain | 3.0 | | | |
| 44 | Brazil | 4.1 | | | | 116 | Morocco | 3.0 | | | |
| 45 | Spain | 4.1 | | | | 117 | Bulgaria | 3.0 | | | |
| 46 | Thailand | 4.0 | | | | 118 | Sri Lanka | 3.0 | | | |
| 47 | Colombia | 4.0 | | | | 119 | Chad | 3.0 | | | |
| 48 | Bosnia and Herzegovina | 3.9 | | | | 120 | Kuwait | 3.0 | | | |
| 49 | Slovenia | 3.9 | | | | 121 | Seychelles | 3.0 | | | |
| 50 | Brunei Darussalam | 3.9 | | | | 122 | Armenia | 2.9 | | | |
| 51 | India | 3.8 | | | | 123 | Greece | 2.9 | | | |
| 52 | Rwanda | 3.8 | | | | 124 | Moldova | 2.8 | | | |
| 53 | Guatemala | 3.8 | | | | 125 | Timor-Leste | 2.8 | | | |
| 54 | Oman | 3.8 | | | | 126 | Paraguay | 2.7 | | | |
| 55 | Zambia | 3.8 | | | | 127 | Nepal | 2.7 | | | |
| 56 | Tanzania | 3.8 | | | | 128 | Egypt | 2.7 | | | |
| 57 | Argentina | 3.8 | | | | 129 | Mauritania | 2.6 | | | |
| 58 | Gambia, The | 3.8 | | | | 130 | Swaziland | 2.6 | | | |
| 59 | Latvia | 3.7 | | | | 131 | Bangladesh | 2.6 | | | |
| 60 | Montenegro | 3.7 | | | | 132 | Lesotho | 2.5 | | | |
| 61 | Uruguay | 3.7 | | | | 133 | Libya | 2.5 | | | |
| 62 | Cyprus | 3.7 | | | | 134 | Georgia | 2.5 | | | |
| 63 | Botswana | 3.7 | | | | 135 | Guinea | 2.4 | | | |
| 64 | Malta | 3.7 | | | | 136 | Côte d'Ivoire | 2.4 | | | |
| 65 | Italy | 3.6 | | | | 137 | Sierra Leone | 2.3 | | | |
| 66 | Venezuela | 3.6 | | | | 138 | Albania | 2.3 | | | |
| 67 | Poland | 3.6 | | | | 139 | Burundi | 2.2 | | | |
| 68 | Uganda | 3.6 | | | | 140 | Gabon | 2.2 | | | |
| 69 | Ukraine | 3.6 | | | | 141 | Kyrgyz Republic | 2.0 | | | |
| 70 | Turkey | 3.6 | | | | 142 | Haiti | 2.0 | | | |
| 71 | Cambodia | 3.5 | | | | 143 | Yemen | 1.9 | | | |
| 72 | Nigeria | 3.5 | | | | 144 | Algeria | 1.9 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.05 Government procurement of advanced technology products

Do government procurement decisions foster technological innovation in your country? [1 = no, not at all; 7 = yes, extremely effectively] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 3.6 | 7 |
|------|----------------------|-------|---|----------|---|------|------------------------|-------|---|----------|---|
| 1 | Qatar | 5.8 | | | | 73 | Tanzania | 3.5 | | | |
| 2 | Singapore | 5.3 | | | | 74 | Mauritius | 3.5 | | | |
| 3 | United Arab Emirates | 5.0 | | | | 75 | Costa Rica | 3.5 | | | |
| 4 | Malaysia | 4.9 | | | | 76 | Kenya | 3.5 | | | |
| 5 | Saudi Arabia | 4.8 | | | | 77 | Guinea | 3.5 | | | |
| 6 | Israel | 4.6 | | | | 78 | Guyana | 3.5 | | | |
| 7 | Sri Lanka | 4.6 | | | | 79 | Bolivia | 3.5 | | | |
| 8 | Luxembourg | 4.6 | | | | 80 | Ireland | 3.5 | | | |
| 9 | Taiwan, China | 4.6 | | | | 81 | Bulgaria | 3.4 | | | |
| 10 | Rwanda | 4.5 | | | | 82 | Mauritania | 3.4 | | | |
| 11 | Panama | 4.5 | | | | 83 | India | 3.4 | | | |
| 12 | Sweden | 4.5 | | | | 84 | Mozambique | 3.4 | | | |
| 13 | Gambia, The | 4.5 | | | | 85 | Latvia | 3.4 | | | |
| 14 | Finland | 4.5 | | | | 86 | Côte d'Ivoire | 3.4 | | | |
| 15 | United States | 4.4 | | | | 87 | Ghana | 3.4 | | | |
| 16 | China | 4.4 | | | | 88 | Burkina Faso | 3.4 | | | |
| 17 | Oman | 4.4 | | | | 89 | Spain | 3.3 | | | |
| 18 | Brunei Darussalam | 4.4 | | | | 90 | Namibia | 3.3 | | | |
| 19 | Azerbaijan | 4.4 | | | | 91 | Malawi | 3.3 | | | |
| 20 | Bahrain | 4.4 | | | | 92 | Timor-Leste | 3.3 | | | |
| 21 | Germany | 4.3 | | | | 93 | Dominican Republic | 3.3 | | | |
| 22 | Switzerland | 4.3 | | | | 94 | Bosnia and Herzegovina | 3.3 | | | |
| 23 | Netherlands | 4.2 | | | | 95 | Egypt | 3.3 | | | |
| 24 | Cambodia | 4.1 | | | | 96 | Lithuania | 3.2 | | | |
| 25 | Belgium | 4.1 | | | | 97 | Ukraine | 3.2 | | | |
| 26 | Tajikistan | 4.1 | | | | 98 | Thailand | 3.2 | | | |
| 27 | Liberia | 4.1 | | | | 99 | Peru | 3.2 | | | |
| 28 | Norway | 4.1 | | | | 100 | Mongolia | 3.2 | | | |
| 29 | Indonesia | 4.0 | | | | 101 | Poland | 3.2 | | | |
| 30 | Iceland | 4.0 | | | | 102 | Macedonia, FYR | 3.2 | | | |
| 31 | Hong Kong SAR | 4.0 | | | | 103 | Sierra Leone | 3.2 | | | |
| 32 | Turkey | 4.0 | | | | 104 | Honduras | 3.1 | | | |
| 33 | Korea, Rep. | 4.0 | | | | 105 | South Africa | 3.1 | | | |
| 34 | Barbados | 4.0 | | | | 106 | Slovenia | 3.1 | | | |
| 35 | Estonia | 4.0 | | | | 107 | Philippines | 3.1 | | | |
| 36 | Portugal | 4.0 | | | | 108 | Armenia | 3.1 | | | |
| 37 | Chile | 3.9 | | | | 109 | Pakistan | 3.1 | | | |
| 38 | Seychelles | 3.9 | | | | 110 | Hungary | 3.1 | | | |
| 39 | Vietnam | 3.9 | | | | 111 | Madagascar | 3.1 | | | |
| 40 | Montenegro | 3.9 | | | | 112 | Chad | 3.1 | | | |
| 41 | Zambia | 3.9 | | | | 113 | El Salvador | 3.1 | | | |
| 42 | Cape Verde | 3.9 | | | | 114 | Romania | 3.1 | | | |
| 43 | Cameroon | 3.9 | | | | 115 | Serbia | 3.1 | | | |
| 44 | Malta | 3.9 | | | | 116 | Nicaragua | 3.1 | | | |
| 45 | United Kingdom | 3.9 | | | | 117 | Gabon | 3.0 | | | |
| 46 | Albania | 3.9 | | | | 118 | Libya | 3.0 | | | |
| 47 | Canada | 3.8 | | | | 119 | Guatemala | 3.0 | | | |
| 48 | Japan | 3.8 | | | | 120 | Jamaica | 3.0 | | | |
| 49 | France | 3.8 | | | | 121 | Italy | 2.9 | | | |
| 50 | Austria | 3.8 | | | | 122 | Czech Republic | 2.9 | | | |
| 51 | Senegal | 3.8 | | | | 123 | Kuwait | 2.9 | | | |
| 52 | Colombia | 3.8 | | | | 124 | Russian Federation | 2.9 | | | |
| 53 | Brazil | 3.8 | | | | 125 | Paraguay | 2.9 | | | |
| 54 | Mali | 3.7 | | | | 126 | Suriname | 2.8 | | | |
| 55 | Cyprus | 3.7 | | | | 127 | Slovak Republic | 2.8 | | | |
| 56 | Puerto Rico | 3.7 | | | | 128 | Trinidad and Tobago | 2.8 | | | |
| 57 | New Zealand | 3.7 | | | | 129 | Croatia | 2.7 | | | |
| 58 | Australia | 3.7 | | | | 130 | Greece | 2.7 | | | |
| 59 | Ecuador | 3.7 | | | | 131 | Argentina | 2.6 | | | |
| 60 | Georgia | 3.7 | | | | 132 | Nepal | 2.6 | | | |
| 61 | Ethiopia | 3.7 | | | | 133 | Lesotho | 2.6 | | | |
| 62 | Benin | 3.7 | | | | 134 | Bangladesh | 2.6 | | | |
| 63 | Denmark | 3.7 | | | | 135 | Zimbabwe | 2.6 | | | |
| 64 | Nigeria | 3.6 | | | | 136 | Moldova | 2.6 | | | |
| 65 | Botswana | 3.6 | | | | 137 | Swaziland | 2.5 | | | |
| 66 | Iran, Islamic Rep. | 3.6 | | | | 138 | Kyrgyz Republic | 2.4 | | | |
| 67 | Mexico | 3.6 | | | | 139 | Burundi | 2.4 | | | |
| 68 | Uganda | 3.6 | | | | 140 | Haiti | 2.3 | | | |
| 69 | Jordan | 3.6 | | | | 141 | Lebanon | 2.3 | | | |
| 70 | Uruguay | 3.6 | | | | 142 | Algeria | 2.2 | | | |
| 71 | Kazakhstan | 3.6 | | | | 143 | Yemen | 2.1 | | | |
| 72 | Morocco | 3.6 | | | | 144 | Venezuela | 2.0 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.06 Availability of scientists and engineers

To what extent are scientists and engineers available in your country? [1 = not at all; 7 = widely available] | 2011–12 weighted average

| RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 | RANK | COUNTRY/ECONOMY | VALUE | 1 | MEAN 4.1 | 7 |
|------|------------------------|-------|---|----------|---|------|--------------------|-------|---|----------|---|
| 1 | Finland | 6.2 | | | | 73 | Armenia | 4.0 | | | |
| 2 | Japan | 5.7 | | | | 74 | Guinea | 4.0 | | | |
| 3 | Puerto Rico | 5.7 | | | | 75 | Luxembourg | 4.0 | | | |
| 4 | Sweden | 5.4 | | | | 76 | Montenegro | 3.9 | | | |
| 5 | United States | 5.4 | | | | 77 | Kuwait | 3.9 | | | |
| 6 | Canada | 5.4 | | | | 78 | Serbia | 3.9 | | | |
| 7 | Taiwan, China | 5.3 | | | | 79 | Slovak Republic | 3.9 | | | |
| 8 | Qatar | 5.3 | | | | 80 | Argentina | 3.9 | | | |
| 9 | Israel | 5.2 | | | | 81 | Bangladesh | 3.8 | | | |
| 10 | Greece | 5.2 | | | | 82 | Romania | 3.8 | | | |
| 11 | Jordan | 5.2 | | | | 83 | Tajikistan | 3.8 | | | |
| 12 | United Kingdom | 5.1 | | | | 84 | Slovenia | 3.8 | | | |
| 13 | Singapore | 5.1 | | | | 85 | Rwanda | 3.8 | | | |
| 14 | Switzerland | 5.1 | | | | 86 | Croatia | 3.8 | | | |
| 15 | United Arab Emirates | 5.0 | | | | 87 | Ghana | 3.8 | | | |
| 16 | India | 5.0 | | | | 88 | Guatemala | 3.8 | | | |
| 17 | Iceland | 5.0 | | | | 89 | Uganda | 3.8 | | | |
| 18 | Spain | 5.0 | | | | 90 | Russian Federation | 3.8 | | | |
| 19 | Belgium | 5.0 | | | | 91 | Philippines | 3.7 | | | |
| 20 | Malaysia | 4.9 | | | | 92 | Chad | 3.7 | | | |
| 21 | Ireland | 4.9 | | | | 93 | Oman | 3.7 | | | |
| 22 | France | 4.9 | | | | 94 | Colombia | 3.7 | | | |
| 23 | Korea, Rep. | 4.9 | | | | 95 | Brunei Darussalam | 3.6 | | | |
| 24 | Netherlands | 4.8 | | | | 96 | Ecuador | 3.6 | | | |
| 25 | Ukraine | 4.8 | | | | 97 | Liberia | 3.6 | | | |
| 26 | Saudi Arabia | 4.8 | | | | 98 | Bulgaria | 3.6 | | | |
| 27 | Costa Rica | 4.7 | | | | 99 | Panama | 3.6 | | | |
| 28 | Denmark | 4.7 | | | | 100 | Malawi | 3.6 | | | |
| 29 | Chile | 4.7 | | | | 101 | Jamaica | 3.6 | | | |
| 30 | Austria | 4.7 | | | | 102 | Burundi | 3.6 | | | |
| 31 | Portugal | 4.7 | | | | 103 | Guyana | 3.6 | | | |
| 32 | Sri Lanka | 4.6 | | | | 104 | Kazakhstan | 3.6 | | | |
| 33 | Côte d'Ivoire | 4.6 | | | | 105 | Tanzania | 3.6 | | | |
| 34 | Iran, Islamic Rep. | 4.6 | | | | 106 | Macedonia, FYR | 3.5 | | | |
| 35 | Senegal | 4.6 | | | | 107 | Burkina Faso | 3.5 | | | |
| 36 | Hong Kong SAR | 4.6 | | | | 108 | Bolivia | 3.5 | | | |
| 37 | Lebanon | 4.5 | | | | 109 | Cambodia | 3.5 | | | |
| 38 | Morocco | 4.5 | | | | 110 | Latvia | 3.5 | | | |
| 39 | Benin | 4.5 | | | | 111 | Suriname | 3.5 | | | |
| 40 | Germany | 4.5 | | | | 112 | Botswana | 3.5 | | | |
| 41 | Turkey | 4.5 | | | | 113 | Brazil | 3.5 | | | |
| 42 | Norway | 4.5 | | | | 114 | Mauritania | 3.5 | | | |
| 43 | Czech Republic | 4.5 | | | | 115 | Gambia, The | 3.4 | | | |
| 44 | Azerbaijan | 4.5 | | | | 116 | Mauritius | 3.4 | | | |
| 45 | Italy | 4.5 | | | | 117 | Uruguay | 3.4 | | | |
| 46 | China | 4.4 | | | | 118 | Libya | 3.4 | | | |
| 47 | Madagascar | 4.4 | | | | 119 | Honduras | 3.4 | | | |
| 48 | Bosnia and Herzegovina | 4.4 | | | | 120 | Peru | 3.4 | | | |
| 49 | Cameroon | 4.4 | | | | 121 | Zimbabwe | 3.4 | | | |
| 50 | Hungary | 4.4 | | | | 122 | South Africa | 3.4 | | | |
| 51 | Indonesia | 4.3 | | | | 123 | Albania | 3.3 | | | |
| 52 | Cyprus | 4.3 | | | | 124 | Georgia | 3.3 | | | |
| 53 | Australia | 4.3 | | | | 125 | Dominican Republic | 3.3 | | | |
| 54 | Barbados | 4.3 | | | | 126 | Venezuela | 3.3 | | | |
| 55 | New Zealand | 4.3 | | | | 127 | Cape Verde | 3.3 | | | |
| 56 | Trinidad and Tobago | 4.3 | | | | 128 | Nepal | 3.2 | | | |
| 57 | Thailand | 4.3 | | | | 129 | Seychelles | 3.2 | | | |
| 58 | Poland | 4.2 | | | | 130 | Nicaragua | 3.2 | | | |
| 59 | Lithuania | 4.2 | | | | 131 | Moldova | 3.2 | | | |
| 60 | Pakistan | 4.2 | | | | 132 | Ethiopia | 3.1 | | | |
| 61 | Egypt | 4.2 | | | | 133 | Gabon | 3.1 | | | |
| 62 | Bahrain | 4.2 | | | | 134 | Paraguay | 3.0 | | | |
| 63 | Mongolia | 4.1 | | | | 135 | Kyrgyz Republic | 3.0 | | | |
| 64 | Zambia | 4.1 | | | | 136 | Haiti | 2.9 | | | |
| 65 | Mali | 4.1 | | | | 137 | Mozambique | 2.8 | | | |
| 66 | Kenya | 4.1 | | | | 138 | Namibia | 2.8 | | | |
| 67 | Malta | 4.1 | | | | 139 | El Salvador | 2.8 | | | |
| 68 | Nigeria | 4.1 | | | | 140 | Yemen | 2.7 | | | |
| 69 | Estonia | 4.0 | | | | 141 | Sierra Leone | 2.6 | | | |
| 70 | Vietnam | 4.0 | | | | 142 | Lesotho | 2.6 | | | |
| 71 | Mexico | 4.0 | | | | 143 | Timor-Leste | 2.6 | | | |
| 72 | Algeria | 4.0 | | | | 144 | Swaziland | 2.6 | | | |

SOURCE: World Economic Forum, Executive Opinion Survey

12.07 PCT patent applications

Number of applications filed under the Patent Cooperation Treaty (PCT) per million population | 2008–09 average

| RANK | COUNTRY/ECONOMY | VALUE | RANK | COUNTRY/ECONOMY | VALUE |
|------|------------------------|-------|------|--------------------|-------|
| 1 | Sweden | 311.0 | 73 | Egypt | 0.6 |
| 2 | Switzerland | 287.2 | 74 | Jordan | 0.5 |
| 3 | Finland | 277.1 | 75 | Libya | 0.5 |
| 4 | Israel | 235.5 | 76 | Guatemala | 0.5 |
| 5 | Japan | 210.7 | 77 | Dominican Republic | 0.5 |
| 6 | Denmark | 210.5 | 78 | Panama | 0.4 |
| 7 | Germany | 203.6 | 79 | Azerbaijan | 0.4 |
| 8 | Netherlands | 203.3 | 80 | Oman | 0.4 |
| 9 | Korea, Rep. | 161.1 | 81 | El Salvador | 0.4 |
| 10 | Austria | 144.6 | 82 | Kuwait | 0.4 |
| 11 | Norway | 143.6 | 83 | Philippines | 0.3 |
| 12 | United States | 137.9 | 84 | Namibia | 0.3 |
| 13 | Singapore | 123.2 | 85 | Mauritius | 0.3 |
| 14 | France | 110.2 | 86 | Cameroon | 0.2 |
| 15 | Luxembourg | 105.3 | 87 | Lesotho | 0.2 |
| 16 | Belgium | 102.4 | 88 | Peru | 0.2 |
| 17 | Iceland | 96.8 | 89 | Mongolia | 0.2 |
| 18 | United Kingdom | 93.0 | 90 | Swaziland | 0.2 |
| 19 | Ireland | 90.5 | 91 | Algeria | 0.2 |
| 20 | Australia | 83.5 | 92 | Suriname | 0.2 |
| 21 | Canada | 77.6 | 93 | Gabon | 0.2 |
| 22 | New Zealand | 75.8 | 94 | Ecuador | 0.2 |
| 23 | Slovenia | 66.0 | 95 | Kenya | 0.1 |
| 24 | Italy | 51.7 | 96 | Venezuela | 0.1 |
| 25 | Spain | 35.4 | 97 | Vietnam | 0.1 |
| 26 | Estonia | 34.5 | 98 | Zimbabwe | 0.1 |
| 27 | Hungary | 22.1 | 99 | Paraguay | 0.1 |
| 28 | Czech Republic | 18.4 | 100 | Iran, Islamic Rep. | 0.1 |
| 29 | Malta | 12.9 | 101 | Indonesia | 0.1 |
| 30 | Latvia | 12.5 | 102 | Kyrgyz Republic | 0.1 |
| 31 | Portugal | 12.2 | 103 | Zambia | 0.0 |
| 32 | Barbados | 11.5 | 104 | Chad | 0.0 |
| 33 | Croatia | 10.0 | 105 | Sierra Leone | 0.0 |
| 34 | Malaysia | 9.6 | 106 | Yemen | 0.0 |
| 35 | Greece | 9.4 | 107 | Bolivia | 0.0 |
| 36 | Cyprus | 9.4 | 108 | Senegal | 0.0 |
| 37 | South Africa | 6.8 | 109 | Ghana | 0.0 |
| 38 | China | 6.5 | 110 | Burkina Faso | 0.0 |
| 39 | Lithuania | 6.2 | 111 | Benin | 0.0 |
| 40 | Slovak Republic | 6.1 | 112 | Haiti | 0.0 |
| 41 | Seychelles | 5.8 | 113 | Nepal | 0.0 |
| 42 | Turkey | 5.8 | 114 | Pakistan | 0.0 |
| 43 | Poland | 5.8 | 115 | Bangladesh | 0.0 |
| 44 | Russian Federation | 5.4 | 116 | Nigeria | 0.0 |
| 45 | United Arab Emirates | 4.5 | 117 | Tanzania | 0.0 |
| 46 | Chile | 3.8 | 118 | Uganda | 0.0 |
| 47 | Bulgaria | 3.6 | 119 | Albania | 0.0 |
| 48 | Brazil | 2.8 | 119 | Botswana | 0.0 |
| 49 | Saudi Arabia | 2.2 | 119 | Burundi | 0.0 |
| 50 | Bosnia and Herzegovina | 2.1 | 119 | Cambodia | 0.0 |
| 51 | Ukraine | 2.1 | 119 | Cape Verde | 0.0 |
| 52 | Bahrain | 2.1 | 119 | Côte d'Ivoire | 0.0 |
| 53 | Uruguay | 2.1 | 119 | Ethiopia | 0.0 |
| 54 | Trinidad and Tobago | 2.0 | 119 | Gambia, The | 0.0 |
| 55 | Brunei Darussalam | 1.9 | 119 | Guinea | 0.0 |
| 56 | Romania | 1.9 | 119 | Guyana | 0.0 |
| 57 | Costa Rica | 1.7 | 119 | Honduras | 0.0 |
| 58 | Mexico | 1.6 | 119 | Liberia | 0.0 |
| 59 | Macedonia, FYR | 1.5 | 119 | Madagascar | 0.0 |
| 60 | Georgia | 1.5 | 119 | Malawi | 0.0 |
| 61 | Armenia | 1.4 | 119 | Mali | 0.0 |
| 62 | Qatar | 1.3 | 119 | Mauritania | 0.0 |
| 63 | India | 1.2 | 119 | Montenegro | 0.0 |
| 64 | Colombia | 1.1 | 119 | Mozambique | 0.0 |
| 65 | Kazakhstan | 1.1 | 119 | Nicaragua | 0.0 |
| 66 | Argentina | 1.1 | 119 | Rwanda | 0.0 |
| 67 | Lebanon | 1.1 | 119 | Serbia | 0.0 |
| 68 | Sri Lanka | 0.7 | 119 | Tajikistan | 0.0 |
| 69 | Moldova | 0.7 | 119 | Timor-Leste | 0.0 |
| 70 | Jamaica | 0.7 | n/a | Hong Kong SAR | n/a |
| 71 | Morocco | 0.7 | n/a | Puerto Rico | n/a |
| 72 | Thailand | 0.6 | n/a | Taiwan, China | n/a |

SOURCE: Organisation for Economic Co-operation and Development (OECD), *Patent Database*, June 2012; United Nations, Department of Economic and Social Affairs, Population Division, 2011; *World Population Prospects: The 2010 Revision*, CD-ROM Edition; authors' calculations

Technical Notes and Sources

This section complements the data tables by providing additional information for those indicators that are not derived from the World Economic Forum's Executive Opinion Survey. The number next to the variable corresponds to the number of the data table that shows the ranks and scores for all countries/economies on this particular indicator. Indicators in Pillars 1 through 12 enter the composition of the Global Competitiveness Index 2012–2013. The data used in this *Report* represent the best available estimates at the time the *Report* was prepared. It is possible that some data will have been updated or revised after publication.

Key indicators

0.01 Gross domestic product

[Gross domestic product in billions of current US dollars | 2011](#)

Source: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

0.02 Population

[Total population in millions | 2011](#)

Sources: United Nations, Department of Economic and Social Affairs, Population Division (2011), *World Population Prospects: The 2010 Revision*, CD-ROM Edition; national sources

0.03 GDP per capita

[Gross domestic product per capita in current US dollars | 2011](#)

Source: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

0.04 GDP as a share of world GDP

[Gross domestic product based on purchasing power parity as a percentage of world GDP | 2011](#)

Sources: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

Pillar 1: Institutions

1.22 Strength of investor protection

[Strength of Investor Protection Index on a 0–10 \(best\) scale | 2011](#)

This variable is a combination of the Extent of disclosure index (transparency of transactions), the Extent of director liability index (liability for self-dealing), and the Ease of shareholder suit index (shareholders' ability to sue officers and directors for misconduct). For more details about the methodology employed and the assumptions made to compute this indicator, visit <http://www.doingbusiness.org/methodologysurveys/>.

Source: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

Pillar 2: Infrastructure

2.06 Available airline seat kilometers

[Scheduled available airline seat kilometers per week originating in country \(in millions\) | 2012](#)

This variable measures the total passenger-carrying capacity of all scheduled flights, including domestic flights, originating in a country. It is computed by taking the number of seats available on each flight multiplied by the flight distance in kilometers, summing the result across all scheduled flights in a week during January (winter schedule) and July (summer schedule) 2012, and taking the average capacity of the two weeks.

Source: International Air Transport Association, SRS Analyser

2.08 Mobile telephone subscriptions

[Number of mobile telephone subscriptions per 100 population | 2011](#)

A *mobile telephone subscription* refers to a subscription to a public mobile telephone service that provides access to the public switched telephone network (PSTN) using cellular technology, including the number of pre-paid SIM cards active during the past three months. This includes both analog and digital cellular systems (IMT-2000, Third Generation, 3G) and 4G subscriptions, but excludes mobile broadband subscriptions via data cards or USB modems. Subscriptions to public mobile data services, private trunked mobile radio, telepoint or radio paging, and telemetry services are also excluded. It includes all mobile cellular subscriptions that offer voice communications.

Source: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition)

2.09 Fixed telephone lines

[Number of active fixed telephone lines per 100 population | 2011](#)

A *fixed telephone line* is an active line connecting the subscriber's terminal equipment to the public switched telephone network (PSTN) and that has a dedicated port in the telephone exchange equipment. Active lines are those that have registered an activity in the past three months.

Source: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition)

Pillar 3: Macroeconomic environment

3.01 Government budget balance

General government budget balance as a percentage of GDP | 2011

Net lending (+)/ borrowing (–) is calculated as general government revenue minus total expenditure. This is a core Government Finance Statistics (GFS) balance that measures the extent to which the general government is either putting financial resources at the disposal of other sectors in the economy and nonresidents (net lending), or utilizing the financial resources generated by other sectors and nonresidents (net borrowing). This balance may be viewed as an indicator of the financial impact of general government activity on the rest of the economy and nonresidents. Revenue consists of taxes, social contributions, grants receivable, and other revenue. Revenue increases a government's net worth, which is the difference between its assets and liabilities. General government total expenditure consists of total expenses and the net acquisition of nonfinancial assets.

Sources: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and Public Information Notices (various issues); national sources

3.02 Gross national savings

Gross national savings as a percentage of GDP | 2011

Aggregate national savings is defined as public- and private-sector savings as a percentage of nominal GDP. National savings equals gross domestic investment plus the current account balance.

Sources: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and Public Information Notices (various issues); national sources

3.03 Inflation

Annual percent change in consumer price index (year average) | 2011

Annual percent change in year average consumer price index.

Sources: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

3.04 Government debt

Gross general government debt as a percentage of GDP | 2011

Gross debt consists of all liabilities that require payment or payments of interest and/or principal by the debtor to the creditor at a date or dates in the future. This includes debt liabilities in the form of special drawing rights, currency and deposits, debt securities, loans, insurance, pensions and standardized guarantee schemes, and other accounts payable. Thus, all liabilities in the *Government Finance Statistics Manual 2001* system are debt, except for equity and investment fund shares and financial derivatives and employee stock options.

Sources: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition) and *Public Information Notices* (various issues); national sources

3.05 Country credit rating

Expert assessment of the probability of sovereign debt default on a 0–100 (lowest probability) scale | March 2012

Institutional Investor's Country Credit ratings developed by Institutional Investor are based on information provided by senior economists and sovereign-debt analysts at leading global banks and money management and security firms. Twice a year, the respondents grade each country on a scale of 0 to 100, with 100 representing the least chance of default. For more information, visit <http://www.institutionalinvestor.com/Research/3633/Global-Rankings.html>.

Source: Institutional Investor

Pillar 4: Health and basic education

4.02 Malaria incidence

Number of malaria cases per 100,000 population | 2009

Data are estimates and are provided only for economies in which malaria is considered to be endemic. In the corresponding data table, "NE" denotes an economy where malaria is not endemic.

Source: Cibulskis, R.E., M. Aregawi, R. Williams, M. Otten, and C. Dye. 2011. "Worldwide Incidence of Malaria in 2009: Estimates, Time Trends, and a Critique of Methods." *PLoS Med* 8 (12): e1001142. doi: 10.1271/journal.pmed.1001142.

4.04 Tuberculosis incidence

Number of tuberculosis cases per 100,000 population | 2010

Incidence of tuberculosis is the estimated number of new pulmonary, smear positive, and extra-pulmonary tuberculosis cases.

Sources: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

4.06 HIV prevalence

HIV prevalence as a percentage of adults aged 15–49 years | 2009

HIV prevalence refers to the number of infections at a particular point in time, no matter when infection occurred.

Sources: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); UNAIDS, *Global Report on the Global AIDS Epidemic* (2008 edition); national sources

4.07 Infant mortality

Infant (children aged 0–12 months) mortality per 1,000 live births | 2010

Infant mortality rate is the number of infants dying before reaching one year of age per 1,000 live births in a given year.

Sources: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

4.08 Life expectancy

Life expectancy at birth (years) | 2010

Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.

Sources: The World Bank, *World Development Indicators & Global Development Finance Catalog* (April 2012 edition); national sources

4.10 Primary education enrollment rate

Net primary education enrollment rate | 2010

The reported value corresponds to the ratio of children of official school age (as defined by the national education system) who are enrolled in school to the population of the corresponding official school age. Primary education (ISCED level 1) provides children with basic reading, writing, and mathematics skills along with an elementary understanding of such subjects as history, geography, natural science, social science, art, and music.

Sources: UNESCO Institute for Statistics (accessed May 10, 2012); The World Bank, *EdStats Database* (accessed June 27, 2012); Organisation for Economic Co-operation and Development (OECD), *Education at a Glance 2011*; national sources

Pillar 5: Higher education and training

5.01 Secondary education enrollment rate

Gross secondary education enrollment rate | 2010

The reported value corresponds to the ratio of total secondary enrollment, regardless of age, to the population of the age group that officially corresponds to the secondary education level. Secondary education (ISCED levels 2 and 3) completes the provision of basic education that began at the primary level, and aims to lay the foundations for lifelong learning and human development by offering more subject- or skills-oriented instruction using more specialized teachers.

Sources: UNESCO Institute for Statistics (accessed May 10, 2012); UNICEF ChildInfo.org Country Profiles; The World Bank, *EdStats Database* (accessed June 25, 2012); national sources

5.02 Tertiary education enrollment rate

Gross tertiary education enrollment rate | 2010

The reported value corresponds to the ratio of total tertiary enrollment, regardless of age, to the population of the age group that officially corresponds to the tertiary education level. Tertiary education (ISCED levels 5 and 6), whether or not leading to an advanced research qualification, normally requires, as a minimum condition of admission, the successful completion of education at the secondary level.

Sources: UNESCO Institute for Statistics (accessed May 10, 2012); national sources

Pillar 6: Goods market efficiency

6.05 Total tax rate

This variable is a combination of profit tax (% of profits), labor tax and contribution (% of profits), and other taxes (% of profits) | 2011

The total tax rate measures the amount of taxes and mandatory contributions payable by a business in the second year of operation, expressed as a share of commercial profits. The total amount of taxes is the sum of five different types of taxes and contributions payable after accounting for deductions and exemptions: profit or corporate income tax, social contributions and labor taxes paid by the employer, property taxes, turnover taxes, and other small taxes. For more details about the methodology employed and the assumptions made to compute this indicator, please visit <http://www.doingbusiness.org/methodologysurveys/>.

Source: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.06 Number of procedures required to start a business

Number of procedures required to start a business | 2011

For details about the methodology employed and the assumptions made to compute this indicator, visit <http://www.doingbusiness.org/methodologysurveys/>.

Source: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.07 Time required to start a business

Number of days required to start a business | 2011

For details about the methodology employed and the assumptions made to compute this indicator, visit <http://www.doingbusiness.org/methodologysurveys/>.

Source: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

6.10 Trade tariffs

Trade-weighted average tariff rate | 2011

This indicator is calculated as a weighted average of all the applied tariff rates, including preferential rates that a country applies to the rest of the world. The weights are the trade patterns of the importing country's reference group (2010 data). An *applied tariff* is a customs duty that is levied on imports of merchandise goods.

Source: International Trade Centre

6.14 Imports as a percentage of GDP

Imports of goods and services as a percentage of gross domestic product | 2011

Total imports is the sum of total imports of merchandise and commercial services.

Sources: World Trade Organization, Statistical Database: Time Series on merchandise and commercial services (accessed June 4, 2012); International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

Pillar 7: Labor market efficiency

7.04 Redundancy costs

Redundancy costs in weeks of salary | 2011

This variable estimates the cost of advance notice requirements, severance payments, and penalties due when terminating a redundant worker, expressed in weekly wages. For more details about the methodology employed and the assumptions made to compute this indicator, visit <http://www.doingbusiness.org/methodologysurveys/>.

Sources: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*; authors' calculations

7.08 Female participation in labor force

Ratio of women to men in the labor force* | 2010

This measure is the percentage of women aged 15–64 participating in the labor force divided by the percentage of men aged 15–64 participating in the labor force.

Sources: International Labour Organization, *Key Indicators of the Labor Markets Net* (accessed June 5, 2012); national sources

Pillar 8: Financial market development

8.08 Legal rights index

Degree of legal protection of borrowers and lenders' rights on a 0–10 (best) scale | 2011

This index measures the degree to which collateral and bankruptcy laws protect borrowers' and lenders' rights and thus facilitate lending. For more details about the methodology employed and the assumptions made to compute this indicator, visit <http://www.doingbusiness.org/methodologysurveys/>.

Source: World Bank/International Finance Corporation, *Doing Business 2012: Doing Business in a More Transparent World*

Pillar 9: Technological readiness

9.04 Internet users

Percentage of individuals using the Internet | 2011

Internet users refers to people using the Internet from any device (including mobile phones) in the last 12 months. Data are based on surveys generally carried out by national statistical offices or estimated based on the number of Internet subscriptions.

Source: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

9.05 Fixed broadband Internet subscriptions

Fixed broadband Internet subscriptions per 100 population | 2011

This refers to total fixed (wired) broadband Internet subscriptions (that is, subscriptions to high-speed access to the public Internet—a TCP/IP connection—at downstream speeds equal to or greater than 256 kb/s).

Source: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

9.06 Internet bandwidth

International Internet bandwidth (kb/s) per Internet user | 2011

International Internet bandwidth is the sum of capacity of all Internet exchanges offering international bandwidth measured in kilobits per second (kb/s).

Source: International Telecommunication Union, *World Telecommunication/ICT Indicators 2012* (June 2012 edition)

9.07 Mobile broadband subscriptions

Mobile broadband subscriptions per 100 population | 2011

Mobile broadband subscriptions refers to active SIM cards or, on CDMA networks, connections accessing the Internet at consistent broadband speeds of over 512 kb/s, including cellular technologies such as HSPA, EV-DO, and above. This includes connections being used in any type of device able to access mobile broadband networks, including smartphones, USB modems, mobile hotspots, and other mobile-broadband connected devices.

Sources: International Telecommunication Union, *ITU World Telecommunication/ICT Indicators Database 2012* (June 2012 edition); Informa Telecoms & Media; national sources

Pillar 10: Market size

10.01 Domestic market size index

Sum of gross domestic product plus value of imports of goods and services, minus value of exports of goods and services, normalized on a 1–7 (best) scale | 2011

The size of the domestic market is calculated as the natural log of the sum of the gross domestic product valued at PPP plus the total value (PPP estimates) of imports of goods and services, minus the total value (PPP estimates) of exports of goods and services. Data are then normalized on a 1–7 scale. PPP estimates of imports and exports are obtained by taking the product of exports as a percentage of GDP and GDP valued at PPP.

Source: Authors' calculation. For more details refer to the appendix in Chapter 1.1 of this *Report*.

10.02 Foreign market size index

Value of exports of goods and services, normalized on a 1–7 (best) scale | 2011

The size of the foreign market is estimated as the natural log of the total value (PPP estimates) of exports of goods and services, normalized on a 1–7 scale. PPP estimates of exports are obtained by taking the product of exports as a percentage of GDP and GDP valued at PPP.

Source: Authors' calculation. For more details refer to Appendix A in Chapter 1.1 of this *Report*.

10.03 GDP (PPP)

Gross domestic product valued at purchasing power parity in billions of international dollars | 2011

Source: International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

10.04 Exports as a percentage of GDP

Exports of goods and services as a percentage of gross domestic product | 2011

Total exports is the sum of total exports of merchandise and commercial services.

Sources: World Trade Organization, Online statistics database (accessed June 4, 2012); International Monetary Fund, *World Economic Outlook Database* (April 2012 edition); national sources

Pillar 12: Innovation

12.07 PCT patent applications

Number of applications filed under the Patent Cooperation Treaty (PCT) per million population | 2008-2009

This measures the total count of applications filed under the Patent Cooperation Treaty (PCT), by priority date and inventor nationality, using fractional count if an application is filed by multiple inventors. The average count of applications filed in 2008 and 2009 is divided by population figures for 2009.

Sources: Organisation for Economic Co-operation and Development (OECD), *Patent Database*, June 2012; United Nations, Department of Economic and Social Affairs, Population Division, 2011, *World Population Prospects: The 2010 Revision*, CD-ROM Edition; authors' calculations

About the Authors

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Beñat Bilbao-Osorio is an Associate Director and Senior Economist at The Global Benchmarking Network at the World Economic Forum. In this capacity, he carries out research on national competitiveness issues with a special focus on Latin America and Iberia. In addition, he analyzes the role of innovation and information and communication technologies in fostering competitiveness and is co-editor of *The Global Information Technology Report*. Prior to joining the Forum, Dr Bilbao-Osorio worked at the Directorate-General for Research & Innovation of the European Commission, where he was responsible for the economic analysis of European Innovation Policy. Prior to that, he worked at the Directorates of Science, Technology and Industry, and Education of the Organisation for Economic Co-operation and Development (OECD) on innovation-related topics as well as the International Trade Centre (UNCTAD/WTO) on international trade competitiveness analysis. His main research fields are innovation, skills, and economic development, where he has published extensively. Dr Bilbao-Osorio holds a degree in Economics from the Universidad Comercial de Deusto (Spain), a Master in European Studies from the Université Catholique de Louvain (Belgium), and a PhD in Economic Geography from the London School of Economic and Political Science (UK).

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The Africa Commission was launched by the Prime Minister of Denmark in 2008 to help Africa benefit more from globalization. The Commission consisted of Heads of State and governments, politicians, experts, and representatives from international and regional organizations as well as the business community, civil society and the academic world. The majority of the Commissioners were from Africa, which reflected the Commission's overriding commitment to ensure African ownership of its recommendations and initiatives.

The Africa Commission presented its findings in the report *Realising the Potential of Africa's Youth*, which was published in May 2009. Drawing on existing analyses and best practices, the Africa Commission presented specific policy recommendations and launched five international initiatives aimed at creating jobs for young men and women in Africa through private sector-led growth and improved competitiveness of African economies. Special emphasis was given to creating decent jobs, fostering entrepreneurship, and providing greater opportunities through education, skills development and access to finance.



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The Global Competitiveness Report series has evolved over the last three decades into the world's most comprehensive assessment of national competitiveness. This 33rd edition is being released amid a long period of economic uncertainty. The tentative recovery that seemed to be gaining ground during 2010 and the first half of 2011 has given way to renewed concerns. The global economy faces a number of significant and interrelated challenges that could hamper a genuine upturn after an economic crisis half a decade long in much of the world, especially in the most advanced economies.

This context highlights how important it is for nations to recognize and strengthen the fundamentals of competitiveness as drivers for economic recovery and growth. *The Global Competitiveness Report 2012–2013* aims to support policymakers, business executives, and academics as well as the public at large in identifying areas of concern that may be addressed in a collaborative approach.

Produced in collaboration with leading academics and a global network of Partner Institutes, *The Global Competitiveness Report 2012–2013* offers users a unique dataset on a broad array of competitiveness indicators for a record number of 144 economies. The data used in the *Report* are obtained from leading international sources as well as from the World Economic Forum's annual Executive Opinion Survey, a unique source that captures the perspectives of several thousand business leaders on topics related to national competitiveness.

The *Report* presents the rankings of the Global Competitiveness Index (GCI), developed by Professor Xavier Sala-i-Martin and introduced in 2005. The GCI is based on 12 pillars of competitiveness, providing a comprehensive picture of the competitiveness landscape in countries around the world at different stages of economic development. The *Report* contains detailed profiles highlighting competitive strengths and weaknesses for each of the 144 economies featured, as well as an extensive section of data tables displaying relative rankings for more than 100 variables.

The *Report* also features a selection of focused discussions. These include the presentation of a competitiveness "heat map" that visually represents the world's competitiveness landscape, as well as a number of regional analyses. Furthermore, the Forum's latest thinking about how social and environmental sustainability relates to national competitiveness is included in a separate chapter.

The *Report* and an interactive data platform are available at www.weforum.org/gcr.