

# The Global Competitiveness Report 2008–2009



**Michael E. Porter**, Harvard University  
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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

**KLAUS SCHWAB**

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This year's *Global Competitiveness Report* is being released at a time of multiple shocks to the global economy. The subprime mortgage crisis and the ensuing credit crunch, combined with rising inflation worldwide and the consequent slowdown in demand in many advanced economies, has engendered significant uncertainty about the short-term outlook for the world economy. Global growth is slowing, and it is not yet clear when the effects of the present crisis will subside.

The financial market crisis that began in early 2007 is almost unprecedented in its impact, having resulted not only in losses in markets and for financial institutions, but also in an erosion of public confidence in the financial sector and among the institutions themselves across the industrialized world. In the meantime, rising energy and commodity prices are having a dual effect on emerging and developing economies: on the one hand, boosting growth; on the other hand creating inflationary pressures that raise the basic cost of living, thus increasing poverty levels. More generally, although the present slowdown was originally expected to be confined mainly to the United States, it is now spreading to other industrialized economies and it is not yet clear what the future will bring for emerging markets.

Policymakers are presently struggling with ways of managing these multiple shocks intelligently while preparing their economies to perform well in an economic landscape characterized by growing volatility. In an unstable global financial environment, it is more important than ever for countries to put into place the fundamentals underpinning economic growth and development. The World Economic Forum has for the past 30 years played a facilitating role in this process, by providing detailed assessments of the productive potential of nations worldwide. The *Report* is a contribution to enhancing our understanding of the key factors determining economic growth, and explaining why some countries are much more successful than others in raising income levels and opportunities for their respective populations, offering policymakers and business leaders an important tool in the formulation of improved economic policies and institutional reforms.

This year's *Report* is characterized by the continued expansion of our country coverage. Currently featuring a total of 134 economies, it remains the most comprehensive assessment of its kind. The *Report* contains a detailed profile for each of the economies featured in

the study as well as an extensive section of data tables with global rankings covering over 100 indicators.

This *Report* remains our flagship publication within our Global Competitiveness Network, which groups a number of research studies that truly mirror the increased integration and complexity of the world economy. Concurrent complementary publications include *The Global Information Technology Report 2007–2008*, *The Travel & Tourism Competitiveness Report 2008*, *The Global Enabling Trade Report 2008*, *The Financial Development Report 2008*, and *The Global Gender Gap Report 2007*.

*The Global Competitiveness Report* could not have been put together without the thought leadership of our distinguished editor, Professor Michael E. Porter, Director of the Institute for Strategy and Competitiveness at the Harvard Business School, and his team Christian Ketels, Richard Bryden, and Mercedes Delgado. Appreciation also goes to Professor Xavier Sala-i-Martin, at Columbia University, for his ongoing intellectual support of our competitiveness research. Appreciation also goes to Fiona Paua, Head of Strategic Insight Teams at the Forum, and Jennifer Blanke, Head of the Global Competitiveness Network, as well as team members Ciara Browne, Agustina Ciocia, Margareta Drzeniek Hanouz, Thierry Geiger, Patrick McGee, Irene Mia, Pearl Samandari, and Eva Trujillo Herrera. We thank FedEx and USAID, our partners in this *Report*, for their support in this important venture. Finally, 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, and whose valuable inputs made the publication of this *Report* possible.



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# Part 1

## The Competitiveness Indexes



## CHAPTER 1.1

# The Global Competitiveness Index: Prioritizing the Economic Policy Agenda

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After several years of rapid and almost unhampered growth, the global economic landscape is changing. Rising food and energy prices, a major international financial crisis, and the related slowdown in the world's leading economies are confronting policymakers with new economic management challenges. Today's volatility underscores the importance of a competitiveness-supporting economic environment that can help national economies to weather these types of shocks in order to ensure solid economic performance going into the future.

A nation's level of competitiveness reflects the extent to which it is able to provide rising prosperity to its citizens. Since 1979, the World Economic Forum's annual *Global Competitiveness Reports* have examined the many factors enabling national economies to achieve sustained economic growth and long-term prosperity. Our goal over the years has been to provide benchmarking tools for business leaders and policymakers to identify obstacles to improved competitiveness, stimulating discussion on strategies to overcome them. For the past several years, the World Economic Forum has based its competitiveness analysis on the Global Competitiveness Index (GCI), a highly comprehensive index for measuring national competitiveness, which captures the microeconomic and macroeconomic foundations of national competitiveness.

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 sustainable level of prosperity that can be earned by an economy. In other words, more competitive economies tend to be able to produce higher levels of income for their citizens. The productivity level also determines the rates of return obtained by investments in an economy. Because the rates of return are the fundamental drivers of the growth rates of the economy, a more competitive economy is one that is likely to grow faster over the medium to long run.

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

## The 12 pillars of competitiveness

The determinants of competitiveness are many and complex. For hundreds of years, economists have tried to understand what determines the wealth of nations. This attempt has ranged from Adam Smith's focus on specialization and the division of labor to neoclassical economists' emphasis on investment in physical capital and infrastructure, and, more recently, to interest in other mechanisms such as education and training, technological progress (whether created within the country or adopted from abroad),<sup>1</sup> macroeconomic stability, good governance, the rule of law, transparent and well-functioning



institutions, firm sophistication, demand conditions, market size, and many others. Each of these conjectures rests on solid theoretical foundations and makes common sense. The central point, however, is that they are not mutually exclusive—so that two or more of them could be true at the same time. Hundreds of econometric studies show that many of these conjectures are, in fact, simultaneously true.<sup>2</sup> This also can partly explain why, despite the present global financial crisis, we do not necessarily see large swings in competitiveness ratings, for example in the United States. Financial markets are only one of several important components of national competitiveness.

The GCI captures this open-ended dimension by providing a weighted average of many different components, each of which reflects one aspect of the complex reality that we call competitiveness. We group all these components into *12 pillars of economic competitiveness*:

#### First pillar: Institutions

The institutional environment forms the framework within which individuals, firms, and governments interact to generate income and wealth in the economy. The institutional framework has a strong bearing on competitiveness and growth.<sup>3</sup> It plays a central role in the ways in which societies distribute the benefits and bear the costs of development strategies and policies, and it influences investment decisions and the organization of production. Owners of land, corporate shares, and even intellectual property are unwilling to invest in the improvement and upkeep of their property if their rights as owners are insecure.<sup>4</sup> Of equal importance, if property cannot be bought and sold with the confidence that the authorities will endorse the transaction, the market itself will fail to generate dynamic growth.

The importance of institutions is not restricted to the legal framework. Government attitudes toward markets and freedoms and the efficiency of its operations are also very important: excessive bureaucracy and red tape,<sup>5</sup> overregulation, corruption, dishonesty in dealing with public contracts, lack of transparency and trustworthiness, or the political dependence of the judicial system impose significant economic costs to businesses and slow down the process of economic development.

Although the economic literature has mainly focused on public institutions, private institutions are also an important element in the process of creation of wealth. The significant corporate scandals that have occurred over the past few years, and the present global financial crisis, 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.<sup>6</sup> 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.<sup>7</sup>

#### Second pillar: Infrastructure

Extensive and efficient infrastructure is an essential driver of competitiveness. It is critical for ensuring the effective functioning of the economy, as it is an important factor determining the location of economic activity and the kinds of activities or sectors that can develop in a particular economy. Well-developed infrastructure reduces the effect of distance between regions, with the result of truly integrating the national market and connecting it 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.<sup>8</sup> In this regard, a well-developed transport and communications infrastructure network is a prerequisite for the ability of less-developed communities to connect to core economic activities and schools.

Effective modes of transport for goods, people, and services—such as quality roads, railroads, ports, and air transport—enable entrepreneurs to get their goods 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 decisions made by economic actors take into account all available relevant information.

#### Third pillar: Macroeconomic stability

The stability of the macroeconomic environment is important for business and, therefore, is important for the overall competitiveness of a country.<sup>9</sup> Although it is certainly true that macroeconomic stability alone cannot increase the productivity of a nation, it is also recognized that macroeconomic disarray harms the economy. Firms cannot make informed decisions when inflation is raging out of control. The government cannot provide services efficiently if it has to make high-interest payments on its past debts. In sum, the economy cannot grow unless the macro environment is stable.

#### 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.<sup>10</sup>

In addition to health, this pillar takes into account the quantity and quality of basic education received by the population, which is increasingly important in today's economy. Basic education increases the efficiency of each individual worker. Moreover, a workforce that has received little formal education can carry out only basic manual work and finds it much more difficult to adapt to more advanced production processes and techniques. Lack of basic education can therefore 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.

#### **Fifth pillar: Higher education and training**

Quality higher education and training is crucial for economies that want to move up the value chain beyond simple production processes and products.<sup>11</sup> In particular, today's globalizing economy requires economies to nurture pools of well-educated workers who are able to adapt rapidly to their changing environment. This pillar measures secondary and tertiary enrollment rates as well as the quality of education as assessed 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 to the changing needs of the evolving economy.

#### **Sixth pillar: Goods market efficiency**

Countries with efficient goods markets are well positioned to produce the right mix of products and services given 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 to be in place. For example, competitiveness is hindered by distortionary or burdensome taxes, and by restrictive and discriminatory rules on foreign ownership or foreign direct investment (FDI). Market efficiency also depends on demand conditions such as customer orientation and buyer sophistication. For cultural reasons, customers in some countries may be more demanding 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 efficient 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. Efficient labor markets must also ensure a clear relationship between worker incentives and their efforts, as well as the best use of available talent—which includes equity in the business environment between women and men.

#### **Eighth pillar: Financial market sophistication**

The present global financial crisis has highlighted the critical importance of financial markets for the functioning of national economies. An efficient financial sector is necessary to allocate 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 the entrepreneurial or investment projects with the highest expected rates of return, rather than to the politically connected. A thorough assessment of risk is therefore a key ingredient.

Business investment is 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. An efficient financial sector also ensures that innovators with good ideas have the financial resources to turn those ideas into commercially viable products and services. In order to fulfill all those functions, the banking sector needs to be trustworthy and transparent.<sup>12</sup>

#### **Ninth pillar: Technological readiness**

This pillar measures the agility with which an economy adopts existing technologies to enhance the productivity of its industries.<sup>13</sup> In today's globalized world, technology has increasingly become an important element for firms to compete and prosper. In particular, information and communication technologies (ICT) have evolved into the "general purpose technology" of our time,<sup>14</sup> given the critical spillovers to the other economic sectors and their role as efficient infrastructure for commercial transactions. Therefore ICT access (including the presence of an ICT-friendly regulatory framework) and usage are included in the pillar as essential components of economies' overall level of technological readiness.

Whether the technology used has or has not been developed within national borders is irrelevant for its effect on competitiveness. The central point is that the firms operating in the country have access to advanced products and blueprints and the ability to use them. That is, it does not matter whether the personal

computer or the Internet was invented in a particular country. What is important is that these inventions are available to the business community. This does not mean that the process of innovation is irrelevant. However, the level of technology available to firms in a country needs to be distinguished from the country's ability to innovate and expand the frontiers of knowledge. That is why we separate technological readiness from innovation, which is captured in the 12th pillar below.

#### Tenth pillar: Market size

The size of the market affects productivity because 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 have become a substitute for domestic markets, especially for small countries. There is vast empirical evidence that shows that trade openness is positively associated with growth. Even if some recent research casts doubts on the robustness of this relationship, the general sense is that trade has a positive effect on growth, especially for countries with small domestic markets.<sup>15</sup>

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.<sup>16</sup> 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 broken into many countries but have one common market.

#### Eleventh pillar: Business sophistication

Business sophistication is conducive to higher efficiency in the production of goods and services. This leads, in turn, to increased productivity, thus enhancing a nation's competitiveness. Business sophistication concerns the quality of a country's overall business networks as well as the quality of individual firms' operations and strategies. It is particularly important for countries at an advanced stage of development, when the more basic sources of productivity improvements have been exhausted to a large extent.

The quality of a country's business networks and supporting industries, which we capture by using variables on 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 ("clusters"), efficiency is heightened, greater opportunities for innovation are created, and barriers to entry for new firms are reduced. Individual firms' operations and strategies (branding, marketing, the presence of a value chain, and the production of unique and sophisticated products) all lead to sophisticated and modern business processes.

#### Twelfth pillar: Innovation

The last pillar of competitiveness is technological innovation. Although substantial gains can be obtained by improving institutions, building infrastructures, reducing macroeconomic instability, or improving the human capital of the population, 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 expanded only with technological innovation. Innovation is particularly important for economies as they approach the frontiers of knowledge and the possibility of integrating and adapting exogenous technologies tends to disappear.<sup>17</sup>

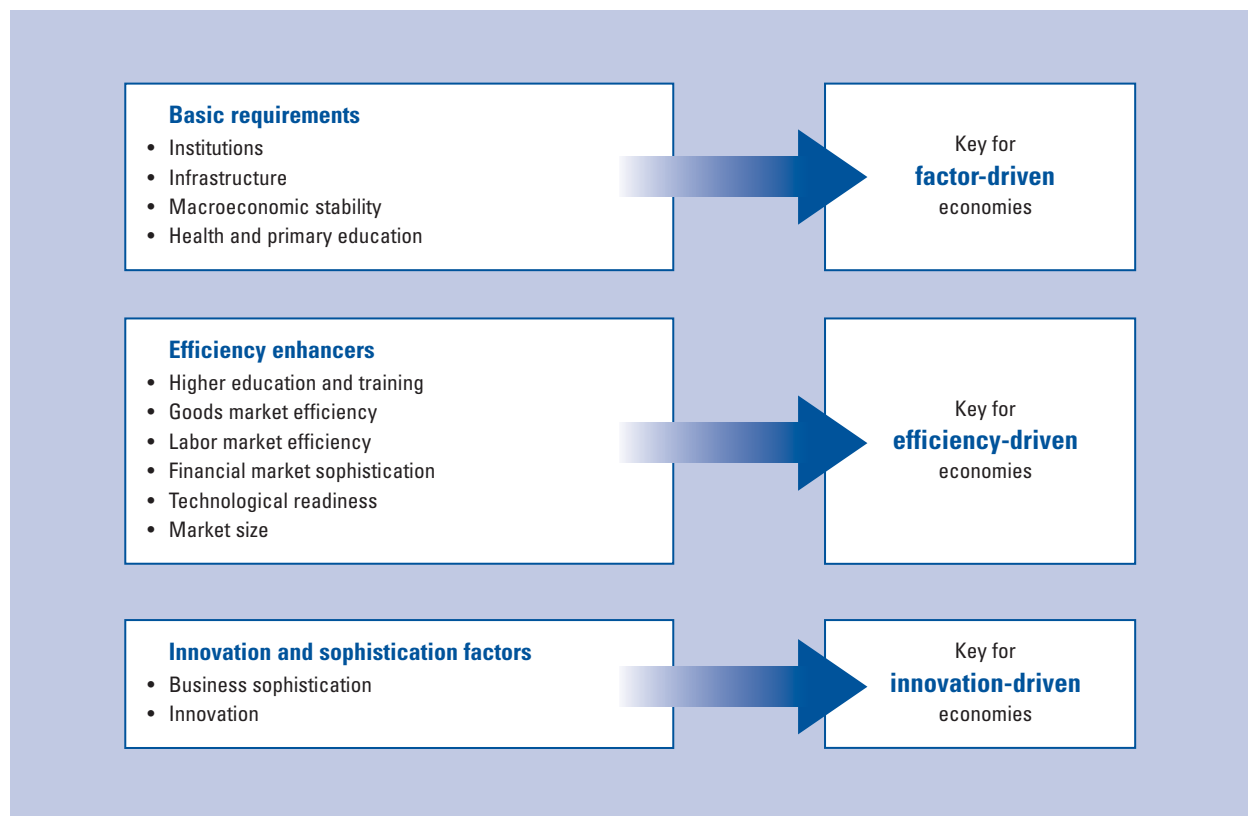
Although less-advanced countries can still improve their productivity by adopting existing technologies or making incremental improvements in other areas, for countries that have reached the innovation stage of development, this is no longer sufficient to increase productivity. Firms in these countries must design and develop cutting-edge products and processes to maintain a competitive edge. This requires an environment that is conducive to innovative activity, supported by both the public and the private sectors. In particular, this means sufficient investment in research and development (R&D) especially by the private sector, the presence of high-quality scientific research institutions, extensive collaboration in research between universities and industry, and the protection of intellectual property.

#### The interrelation of the 12 pillars

Although the 12 pillars of competitiveness are described separately, this should not obscure the fact that they are not independent: not only they are related to each other, but they tend to reinforce each other. For example, innovation (12th pillar) is not possible in a world without institutions (1st pillar) that guarantee intellectual property rights, cannot be performed in countries with poorly educated and poorly trained labor force (5th pillar), and will never take place in economies with inefficient markets (6th, 7th, and 8th pillars) or without extensive and efficient infrastructure (2nd pillar).

Although the actual construction of the Index will involve the aggregation of the 12 pillars into a single index, measures are reported for the 12 pillars separately because offering a more disaggregated analysis can be more useful to countries and practitioners: such an analysis gets closer to the actual areas in which a particular country needs to improve.

Figure 1: The 12 pillars of competitiveness



### Stages of development and the weighted Index

It is clear that different pillars affect different countries differently: the best way for Chad to improve its competitiveness is not the same as the best way for the United States. This is because Chad and the United States 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.<sup>18</sup>

According to the GCI, in the first stage, the economy is *factor-driven* and countries compete based on their factor endowments, primarily unskilled labor and natural resources. 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), well-developed infrastructure (pillar 2), a stable macroeconomic framework (pillar 3), and a healthy and literate workforce (pillar 4).

As wages rise with advancing development, countries move into the *efficiency-driven* stage of development, when they must begin to develop more efficient production processes and increase product quality. At this point, competitiveness is increasingly driven by higher education and training (pillar 5), efficient goods markets (pillar 6), well-functioning labor markets (pillar 7),

sophisticated financial markets (pillar 8), a large domestic or foreign market (pillar 10), and the ability to harness the benefits of existing technologies (pillar 9).

Finally, as countries move into the *innovation-driven* stage, they are able to sustain higher wages and the associated standard of living only if their businesses are able to compete with new and unique products. At this stage, companies must compete through innovation (pillar 12), producing new and different goods using the most sophisticated production processes (pillar 11).

The concept of stages of development is integrated into the Index by attributing higher relative weights to those pillars that are relatively more relevant for a country given its particular stage of development. That is, although all 12 pillars matter to a certain extent for all countries, the importance of each one depends on a country's particular stage of development. To take this into account, 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 specific weights we attribute to each subindex in every stage of development are shown in Table 1. To obtain the precise weights, 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.<sup>19</sup> The rounding of these econometric estimates led to the choice of weights displayed in Table 1.

**Table 1: Weights of the three main groups of pillars at each stage of development**

Pillar group	Factor-driven stage (%)	Efficiency-driven stage (%)	Innovation-driven stage (%)
Basic requirements	60	40	20
Efficiency enhancers	35	50	50
Innovation and sophistication factors	5	10	30

### Implementation of stages of development: Smooth transitions

Countries are allocated to stages of development based on two criteria. The first criterion is the level of GDP per capita at market exchange rates. This widely available measure is used as a proxy for wages, as internationally comparable data for the latter are not available for all countries covered. The precise thresholds are shown in Table 2. A second criterion measures the extent to which countries are factor driven. We proxy this by the share of exports of primary goods in total exports (goods and services) and assume that countries that export more than 70 percent of primary products are to a large extent factor driven.<sup>20</sup>

**Table 2: Income thresholds for establishing stages of development**

Stage of Development	GDP per capita (in US\$)
Stage 1: Factor driven	< 2,000
<i>Transition from stage 1 to stage 2</i>	<i>2,000–3,000</i>
Stage 2: Efficiency driven	3,000–9,000
<i>Transition from stage 2 to stage 3</i>	<i>9,000–17,000</i>
Stage 3: Innovation driven	> 17,000

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. By introducing this type of transition between stages into the model—that is, by placing increasingly more weight on those areas that are becoming more important for the country’s competitiveness as the country develops—the index 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 3.

### Country coverage

Four new economies have been included in the analysis: Brunei Darussalam, Côte d’Ivoire, Ghana, and Malawi (reintroduced after a one-year absence). On the other hand, one country covered last year, Uzbekistan, is not covered this year because of a lack of Survey data. This has led to a net increase in country coverage, for a total of 134 economies this year.

Appendix A describes the exact composition of the GCI and technical details of its construction.

### The Global Competitiveness Index 2008–2009 rankings

The detailed rankings from this year’s GCI are shown in Tables 4 through 8. As Table 4 shows, almost all of the countries in the top 10 remain the same as last year, with some small shifts in rank. The following sections reference the findings of the GCI 2008–2009 for the top performers globally, as well as for a number of selected economies in each of the five following regions: Europe, Latin America and the Caribbean, Asia and the Pacific, Middle East and North Africa, and sub-Saharan Africa.

#### Top 10

Notwithstanding the present financial crisis, the **United States** continues to be the most competitive economy in the world, a position it has held for several years. This is because the country is endowed with many structural features that make its economy extremely productive and that place it on a strong footing to ride out business cycle shifts and economic shocks. Thus, despite rising concerns about the soundness of the banking sector and macroeconomic weaknesses, the country’s many other strengths continue to make it a very productive environment. The United States is followed by Switzerland, Denmark, and Sweden, composing the same top four countries as last year.

The United States is home to highly sophisticated and innovative companies operating in very efficient factor markets. The country is also endowed with an excellent university system that collaborates strongly with the business sector in R&D. Combined with the scale opportunities afforded by the sheer size of its domestic economy, the largest in the world by far, these qualities make the United States the most competitive economy in the world.

The United States is ranked 1st on the innovation pillar, with the world’s top-rated scientific research institutions, high company spending on R&D (ranked 3rd), and significant collaboration between the business and university sectors in research (ranked 1st). The country’s markets support this innovative activity through their

**Table 3: List of countries/economies at each stage of development**

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

efficient allocation of human and financial resources to their most effective use. In particular, labor markets are ranked 1st out of all countries, characterized by the ease and affordability of hiring workers and significant wage flexibility. The country's goods markets are also characterized by low levels of distortion within the context of a very competitive environment, providing consumers with a large selection of quality goods and services at reasonable prices, supplied in a timely manner. Financial markets are also rated as highly efficient, although in the context of the present financial crisis there has been a weakening of confidence in the financial sector, particularly the soundness of banks (40th this year, as opposed to 26th in 2007).

Although the country is thus very competitive overall, there are some weaknesses in more basic areas. Some aspects of its public institutions could be strength-

ened, with particular concerns on the part of the business community about the government's ability to maintain arms-length relationships with the private sector (40th), and in the perception that the government spends its resources wastefully (66th). The business costs of terrorism and of crime and violence more generally are also points of concern. But the country's greatest weakness is related to its macroeconomic stability, where it ranks a low 67th overall. The United States has built up large macroeconomic imbalances over recent years, with repeated fiscal deficits leading to rising and burgeoning levels of public indebtedness (reaching more than 60 percent of GDP by 2007, placing the country 102nd on this indicator). This indicates that the country is not preparing financially for its future liabilities and interest payments will increasingly restrict its fiscal policy freedom going into the future.

Table 4: Global Competitiveness Index rankings and 2007–2008 comparisons

Country/Economy	GCI 2008–2009		GCI 2008–2009 rank (among 2007 countries)*	GCI 2007–2008 rank	Country/Economy	GCI 2008–2009		GCI 2008–2009 rank (among 2007 countries)*	GCI 2007–2008 rank
	Rank	Score				Rank	Score		
United States	1	5.74	1	1	Azerbaijan	69	4.10	68	66
Switzerland	2	5.61	2	2	Vietnam	70	4.10	69	68
Denmark	3	5.58	3	3	Philippines	71	4.09	70	71
Sweden	4	5.53	4	4	Ukraine	72	4.09	71	73
Singapore	5	5.53	5	7	Morocco	73	4.08	72	64
Finland	6	5.50	6	6	Colombia	74	4.05	73	69
Germany	7	5.46	7	5	Uruguay	75	4.04	74	75
Netherlands	8	5.41	8	10	Bulgaria	76	4.03	75	79
Japan	9	5.38	9	8	Sri Lanka	77	4.02	76	70
Canada	10	5.37	10	13	Syria	78	3.99	77	80
Hong Kong SAR	11	5.33	11	12	El Salvador	79	3.99	78	67
United Kingdom	12	5.30	12	9	Namibia	80	3.99	79	89
Korea, Rep.	13	5.28	13	11	Egypt	81	3.98	80	77
Austria	14	5.23	14	15	Honduras	82	3.98	81	83
Norway	15	5.22	15	16	Peru	83	3.95	82	86
France	16	5.22	16	18	Guatemala	84	3.94	83	87
Taiwan, China	17	5.22	17	14	Serbia	85	3.90	84	91
Australia	18	5.20	18	19	Jamaica	86	3.89	85	78
Belgium	19	5.14	19	20	Gambia, The	87	3.88	86	102
Iceland	20	5.05	20	23	Argentina	88	3.87	87	85
Malaysia	21	5.04	21	21	Macedonia, FYR	89	3.87	88	94
Ireland	22	4.99	22	22	Georgia	90	3.86	89	90
Israel	23	4.97	23	17	Libya	91	3.85	90	88
New Zealand	24	4.93	24	24	Trinidad and Tobago	92	3.85	91	84
Luxembourg	25	4.85	25	25	Kenya	93	3.84	92	99
Qatar	26	4.83	26	31	Nigeria	94	3.81	93	95
Saudi Arabia	27	4.72	27	35	Moldova	95	3.75	94	97
Chile	28	4.72	28	26	Senegal	96	3.73	95	100
Spain	29	4.72	29	29	Armenia	97	3.73	96	93
China	30	4.70	30	34	Dominican Republic	98	3.72	97	96
United Arab Emirates	31	4.68	31	37	Algeria	99	3.71	98	81
Estonia	32	4.67	32	27	Mongolia	100	3.65	99	101
Czech Republic	33	4.62	33	33	Pakistan	101	3.65	100	92
Thailand	34	4.60	34	28	Ghana	102	3.62	n/a	n/a
Kuwait	35	4.58	35	30	Suriname	103	3.58	101	113
Tunisia	36	4.58	36	32	Ecuador	104	3.58	102	103
Bahrain	37	4.57	37	43	Venezuela	105	3.56	103	98
Oman	38	4.55	38	42	Benin	106	3.56	104	108
Brunei Darussalam	39	4.54	n/a	n/a	Bosnia and Herzegovina	107	3.56	105	106
Cyprus	40	4.53	39	55	Albania	108	3.55	106	109
Puerto Rico	41	4.51	40	36	Cambodia	109	3.53	107	110
Slovenia	42	4.50	41	39	Côte d'Ivoire	110	3.51	n/a	n/a
Portugal	43	4.47	42	40	Bangladesh	111	3.51	108	107
Lithuania	44	4.45	43	38	Zambia	112	3.49	109	122
South Africa	45	4.41	44	44	Tanzania	113	3.49	110	104
Slovak Republic	46	4.40	45	41	Cameroon	114	3.48	111	116
Barbados	47	4.40	46	50	Guyana	115	3.47	112	126
Jordan	48	4.37	47	49	Tajikistan	116	3.46	113	117
Italy	49	4.35	48	46	Mali	117	3.43	114	115
India	50	4.33	49	48	Bolivia	118	3.42	115	105
Russian Federation	51	4.31	50	58	Malawi	119	3.42	n/a	n/a
Malta	52	4.31	51	56	Nicaragua	120	3.41	116	111
Poland	53	4.28	52	51	Ethiopia	121	3.41	117	123
Latvia	54	4.26	53	45	Kyrgyz Republic	122	3.40	118	119
Indonesia	55	4.25	54	54	Lesotho	123	3.40	119	124
Botswana	56	4.25	55	76	Paraguay	124	3.40	120	121
Mauritius	57	4.25	56	60	Madagascar	125	3.38	121	118
Panama	58	4.24	57	59	Nepal	126	3.37	122	114
Costa Rica	59	4.23	58	63	Burkina Faso	127	3.36	123	112
Mexico	60	4.23	59	52	Uganda	128	3.35	124	120
Croatia	61	4.22	60	57	Timor-Leste	129	3.15	125	127
Hungary	62	4.22	61	47	Mozambique	130	3.15	126	128
Turkey	63	4.15	62	53	Mauritania	131	3.14	127	125
Brazil	64	4.13	63	72	Burundi	132	2.98	128	130
Montenegro	65	4.11	64	82	Zimbabwe	133	2.88	129	129
Kazakhstan	66	4.11	65	61	Chad	134	2.85	130	131
Greece	67	4.11	66	65					
Romania	68	4.10	67	74					

\* One country that was included last year is not shown because of the lack of Survey data (Uzbekistan). This explains why the lowest rank in this column is 131 rather than 134.

**Switzerland** retains the same ranking as last year, second only to the United States. Similar to the United States, Switzerland's economy is characterized by an excellent capacity for innovation and a very sophisticated business culture, ranked 2nd for its business sophistication and 3rd for its innovation capacity. The country is characterized by high spending on R&D. Switzerland's scientific research institutions are among the world's best, and the strong collaboration between the academic and business sectors ensures that much of this research is translated into marketable products and processes, buttressed by strong intellectual property protection. This strong innovative capacity is captured by the high rate of patenting in the country, for which Switzerland ranks 6th worldwide on a per capita basis.

Switzerland's public institutions are rated among the most effective and transparent in the world (4th), ensuring a level playing field and enhancing business confidence, including an independent judiciary, a strong rule of law, and strong accountability of the public sector. Competitiveness is also buttressed by excellent infrastructure and labor markets that are among the most flexible in the world, both ranked 3rd overall. And Switzerland's macroeconomic environment receives excellent marks (ranked 10th), attributable to a government budget surplus, high national savings, low interest rates, and low inflation at a time when inflation is rising around the world.

On the other hand, the relatively low university enrollment rate—just shy of 46 percent—places the country 45th on this indicator. Efforts should be made to boost higher education attainment to provide more home-grown talent with the necessary skills for innovative activities.

The Nordic members of the European Union continue to hold privileged positions in the rankings.

**Denmark** is ranked 3rd, with **Sweden** and **Finland** following closely at 4th and 6th places, respectively, the same rankings as last year for all three countries. As in past years, the Nordic countries outperform the United States in a number of areas. For example, like Switzerland they receive among the best marks worldwide in terms of the macroeconomic environment, as they are also running healthy budget surpluses and have achieved very low levels of public indebtedness. The three countries have among the best functioning and most transparent institutions in the world, ranked only behind Singapore on this pillar.

Given the significant focus that the Nordic countries have placed on higher education and training over recent decades, it is not surprising that Finland, Denmark, and Sweden continue to occupy the top three positions in the higher education and training pillar. This has provided the 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 in recent years.

A marked difference among these three countries relates to labor market flexibility. While Denmark (ranked 4th) distinguishes itself as having one of the most flexible and efficient labor markets internationally, in Finland and Sweden, as is the case in a number of other European countries, companies have little flexibility in setting wages, nonwage labor costs remain very high, and firing and therefore hiring workers is deemed excessively expensive.

**Singapore**, at 5th place, is the top-ranked country from Asia on the strength of its institutional environment, moving up two places from last year as a result of a strengthening across all aspects of the institutional framework. Singapore also places among the top two countries for the efficiency of all of its markets—goods, labor, and financial—ensuring the proper allocation of these factors to their best use. Singapore also has world-class infrastructure, leading the world in the quality of its port and air transport facilities. But Singapore's overall ranking is constrained by its domestic market size and mixed performance in the macroeconomic stability pillar, where it ranks 59th and 121st for its interest rate spread and government debt, respectively.

**Germany** remains among the top-10 ranked countries, although it slips two positions to 7th place. The country is ranked 1st for the quality of infrastructure, with particularly good marks for its transport and telephony infrastructure. The efficiency of its goods and financial markets is another strength, buttressed by a very high level of business sophistication (ranked 1st on this pillar), although it should be noted that there has been a measurable decline in the business sector's assessment of the country's financial markets over the past year. These attributes allow Germany to benefit greatly from its significant market size (ranked 4th on this pillar). On the other hand, Germany's labor market continues to be very rigid (ranked 122nd on the labor market flexibility subpillar), where a lack of flexibility in wage determination, high nonwage labor costs, and the cost of firing provide a hindrance to job creation.

**The Netherlands** moves up two spots to 8th place and rounds out the list of the European countries in the top 10. The country's companies are highly sophisticated and are the most aggressive internationally in absorbing new technologies (ranked 1st for its technological readiness), buttressed by an excellent educational system and extremely efficient factor markets. The improvement in the rankings can be traced mainly to an even better assessment than last year of the functioning of its markets. The labor market in the Netherlands is notably efficient compared with the situation in many other European economies, and its goods market is ranked 3rd for its excellent functioning.

**Japan**, at 9th place, enjoys a major competitive edge in the areas of business sophistication and innovation, characterized by a high availability of scientists and engineers, high company spending on R&D, and an



Table 5: The Global Competitiveness Index 2008–2009

Country/Economy	SUBINDEXES							
	OVERALL INDEX		Basic requirements		Efficiency enhancers		Innovation factors	
	Rank	Score	Rank	Score	Rank	Score	Rank	Score
United States	1	5.74	22	5.50	1	5.81	1	5.80
Switzerland	2	5.61	2	6.14	8	5.35	2	5.68
Denmark	3	5.58	4	6.14	3	5.49	7	5.37
Sweden	4	5.53	6	6.00	9	5.35	6	5.53
Singapore	5	5.53	3	6.14	2	5.52	11	5.16
Finland	6	5.50	1	6.18	13	5.21	5	5.53
Germany	7	5.46	7	5.96	11	5.22	4	5.54
Netherlands	8	5.41	10	5.81	7	5.38	9	5.20
Japan	9	5.38	26	5.36	12	5.22	3	5.65
Canada	10	5.37	8	5.84	5	5.44	16	4.96
Hong Kong SAR	11	5.33	5	6.05	6	5.43	21	4.69
United Kingdom	12	5.30	24	5.46	4	5.45	17	4.93
Korea, Rep.	13	5.28	16	5.71	15	5.15	10	5.20
Austria	14	5.23	9	5.81	20	5.03	12	5.16
Norway	15	5.22	14	5.76	14	5.19	18	4.91
France	16	5.22	13	5.76	16	5.09	14	5.08
Taiwan, China	17	5.22	20	5.53	18	5.06	8	5.26
Australia	18	5.20	15	5.75	10	5.31	22	4.66
Belgium	19	5.14	18	5.60	21	5.02	15	5.02
Iceland	20	5.05	11	5.80	22	4.89	19	4.82
Malaysia	21	5.04	25	5.42	24	4.82	23	4.63
Ireland	22	4.99	32	5.24	19	5.05	20	4.72
Israel	23	4.97	41	5.06	23	4.84	13	5.10
New Zealand	24	4.93	19	5.58	17	5.07	28	4.26
Luxembourg	25	4.85	12	5.78	27	4.69	24	4.51
Qatar	26	4.83	21	5.50	31	4.53	35	4.14
Saudi Arabia	27	4.72	34	5.21	45	4.35	37	4.09
Chile	28	4.72	36	5.15	30	4.58	44	4.00
Spain	29	4.72	27	5.34	25	4.75	29	4.25
China	30	4.70	42	5.01	40	4.41	32	4.18
United Arab Emirates	31	4.68	17	5.67	29	4.64	38	4.09
Estonia	32	4.67	30	5.27	26	4.73	40	4.06
Czech Republic	33	4.62	45	4.85	28	4.67	25	4.37
Thailand	34	4.60	43	4.97	36	4.45	46	3.91
Kuwait	35	4.58	39	5.12	52	4.19	52	3.82
Tunisia	36	4.58	35	5.17	53	4.19	30	4.21
Bahrain	37	4.57	28	5.31	46	4.32	54	3.76
Oman	38	4.55	31	5.25	61	4.09	48	3.87
Brunei Darussalam	39	4.54	29	5.30	77	3.84	87	3.35
Cyprus	40	4.53	23	5.48	39	4.43	41	4.05
Puerto Rico	41	4.51	44	4.96	38	4.44	26	4.32
Slovenia	42	4.50	38	5.13	37	4.45	33	4.15
Portugal	43	4.47	37	5.14	34	4.47	43	4.03
Lithuania	44	4.45	46	4.84	43	4.37	49	3.87
South Africa	45	4.41	69	4.41	35	4.46	36	4.13
Slovak Republic	46	4.40	52	4.66	32	4.52	53	3.80
Barbados	47	4.40	33	5.23	56	4.16	51	3.84
Jordan	48	4.37	47	4.80	63	4.07	47	3.90
Italy	49	4.35	58	4.53	42	4.38	31	4.19
India	50	4.33	80	4.23	33	4.49	27	4.29
Russian Federation	51	4.31	56	4.54	50	4.29	73	3.56
Malta	52	4.31	40	5.08	44	4.35	56	3.74
Poland	53	4.28	70	4.39	41	4.39	61	3.70
Latvia	54	4.26	55	4.63	47	4.31	84	3.39
Indonesia	55	4.25	76	4.25	49	4.29	45	3.98
Botswana	56	4.25	53	4.65	82	3.76	98	3.22
Mauritius	57	4.25	50	4.67	66	4.03	69	3.65
Panama	58	4.24	54	4.64	67	4.02	58	3.71
Costa Rica	59	4.23	63	4.45	60	4.09	39	4.07
Mexico	60	4.23	60	4.47	55	4.16	70	3.60
Croatia	61	4.22	49	4.69	62	4.08	62	3.70
Hungary	62	4.22	64	4.43	48	4.31	55	3.75
Turkey	63	4.15	72	4.34	59	4.10	63	3.70
Brazil	64	4.13	96	3.98	51	4.28	42	4.04
Montenegro	65	4.11	59	4.52	72	3.95	88	3.33
Kazakhstan	66	4.11	74	4.29	64	4.05	77	3.50
Greece	67	4.11	51	4.66	57	4.16	68	3.65

(Cont'd.)

Table 5: The Global Competitiveness Index 2008–2009 (cont'd.)

Country/Economy	OVERALL INDEX		SUBINDEXES					
	Rank	Score	Basic requirements		Efficiency enhancers		Innovation factors	
	Rank	Score	Rank	Score	Rank	Score	Rank	Score
Romania	68	4.10	87	4.15	54	4.18	75	3.53
Azerbaijan	69	4.10	62	4.45	79	3.82	57	3.72
Vietnam	70	4.10	79	4.23	73	3.94	71	3.59
Philippines	71	4.09	85	4.17	68	4.02	67	3.65
Ukraine	72	4.09	86	4.15	58	4.12	66	3.66
Morocco	73	4.08	67	4.42	85	3.73	76	3.51
Colombia	74	4.05	77	4.24	70	3.96	60	3.71
Uruguay	75	4.04	57	4.53	83	3.76	82	3.42
Bulgaria	76	4.03	82	4.20	65	4.05	92	3.30
Sri Lanka	77	4.02	92	4.07	74	3.92	34	4.14
Syria	78	3.99	71	4.38	104	3.41	80	3.45
El Salvador	79	3.99	66	4.43	84	3.75	96	3.24
Namibia	80	3.99	48	4.71	93	3.57	104	3.16
Egypt	81	3.98	83	4.18	88	3.70	74	3.54
Honduras	82	3.98	78	4.24	91	3.62	89	3.32
Peru	83	3.95	94	4.02	69	4.01	83	3.40
Guatemala	84	3.94	84	4.17	86	3.72	65	3.69
Serbia	85	3.90	88	4.15	78	3.82	91	3.30
Jamaica	86	3.89	97	3.95	75	3.91	72	3.57
Gambia, The	87	3.88	81	4.22	107	3.36	78	3.48
Argentina	88	3.87	89	4.12	81	3.76	81	3.43
Macedonia, FYR	89	3.87	68	4.42	92	3.58	105	3.16
Georgia	90	3.86	91	4.07	87	3.72	109	3.07
Libya	91	3.85	75	4.27	114	3.29	102	3.16
Trinidad and Tobago	92	3.85	65	4.43	80	3.78	79	3.47
Kenya	93	3.84	104	3.80	76	3.90	50	3.87
Nigeria	94	3.81	105	3.74	71	3.96	64	3.69
Moldova	95	3.75	95	3.99	98	3.48	128	2.83
Senegal	96	3.73	101	3.88	96	3.48	59	3.71
Armenia	97	3.73	93	4.04	103	3.41	113	3.03
Dominican Republic	98	3.72	99	3.90	90	3.64	86	3.38
Algeria	99	3.71	61	4.46	113	3.29	126	2.85
Mongolia	100	3.65	102	3.87	105	3.39	119	2.94
Pakistan	101	3.65	110	3.67	89	3.67	85	3.39
Ghana	102	3.62	106	3.74	95	3.49	107	3.09
Suriname	103	3.58	73	4.31	127	3.11	117	2.97
Ecuador	104	3.58	90	4.12	117	3.27	118	2.95
Venezuela	105	3.56	111	3.65	94	3.55	116	2.98
Benin	106	3.56	103	3.81	123	3.20	100	3.21
Bosnia and Herzegovina	107	3.56	98	3.93	102	3.42	129	2.80
Albania	108	3.55	100	3.89	99	3.44	130	2.74
Cambodia	109	3.53	107	3.72	115	3.28	112	3.04
Côte d'Ivoire	110	3.51	113	3.64	109	3.33	94	3.27
Bangladesh	111	3.51	117	3.57	97	3.48	115	2.98
Zambia	112	3.49	121	3.54	100	3.43	93	3.29
Tanzania	113	3.49	114	3.61	108	3.34	106	3.12
Cameroon	114	3.48	109	3.67	120	3.22	108	3.08
Guyana	115	3.47	115	3.60	112	3.31	111	3.04
Tajikistan	116	3.46	112	3.65	124	3.19	103	3.16
Mali	117	3.43	116	3.58	122	3.20	99	3.21
Bolivia	118	3.42	108	3.68	128	3.10	134	2.59
Malawi	119	3.42	127	3.43	101	3.42	101	3.20
Nicaragua	120	3.41	122	3.54	116	3.27	124	2.86
Ethiopia	121	3.41	119	3.56	121	3.21	114	2.98
Kyrgyz Republic	122	3.40	124	3.49	110	3.33	123	2.90
Lesotho	123	3.40	118	3.57	125	3.16	110	3.06
Paraguay	124	3.40	123	3.51	111	3.31	132	2.69
Madagascar	125	3.38	125	3.49	119	3.23	97	3.22
Nepal	126	3.37	120	3.55	126	3.12	121	2.91
Burkina Faso	127	3.36	126	3.43	118	3.25	95	3.27
Uganda	128	3.35	129	3.34	106	3.37	90	3.32
Timor-Leste	129	3.15	128	3.42	132	2.77	133	2.62
Mozambique	130	3.15	131	3.21	129	3.09	127	2.84
Mauritania	131	3.14	130	3.28	130	2.91	120	2.93
Burundi	132	2.98	132	3.14	133	2.73	125	2.85
Zimbabwe	133	2.88	134	2.88	131	2.87	122	2.90
Chad	134	2.85	133	2.96	134	2.69	131	2.70

Table 6: The Global Competitiveness Index: Basic requirements

Country/Economy	PILLARS									
	BASIC REQUIREMENTS		1. Institutions		2. Infrastructure		3. Macroeconomic stability		4. Health and primary education	
	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score
Albania	100	3.89	109	3.32	121	2.22	96	4.56	69	5.47
Algeria	61	4.46	102	3.45	84	2.96	5	6.08	76	5.34
Argentina	89	4.12	128	2.94	87	2.92	64	5.05	61	5.58
Armenia	93	4.04	96	3.50	90	2.87	83	4.73	97	5.06
Australia	15	5.75	12	5.72	21	5.33	28	5.66	15	6.27
Austria	9	5.81	11	5.72	10	5.86	44	5.36	13	6.28
Azerbaijan	62	4.45	62	4.05	61	3.70	45	5.35	102	4.72
Bahrain	28	5.31	31	4.89	28	4.77	20	5.78	45	5.82
Bangladesh	117	3.57	127	2.98	122	2.21	101	4.46	105	4.63
Barbados	33	5.23	20	5.19	24	5.21	114	4.21	10	6.32
Belgium	18	5.60	21	5.15	16	5.62	60	5.14	3	6.50
Benin	103	3.81	85	3.67	106	2.56	95	4.60	110	4.40
Bolivia	108	3.68	131	2.66	126	2.10	77	4.83	93	5.13
Bosnia and Herzegovina	98	3.93	123	3.06	123	2.20	57	5.15	82	5.30
Botswana	53	4.65	36	4.73	52	3.96	22	5.73	112	4.17
Brazil	96	3.98	91	3.56	78	3.15	122	3.89	79	5.31
Brunei Darussalam	29	5.30	41	4.65	39	4.45	2	6.33	47	5.79
Bulgaria	82	4.20	111	3.28	95	2.79	54	5.21	68	5.53
Burkina Faso	126	3.43	75	3.82	104	2.57	120	3.93	131	3.42
Burundi	132	3.14	124	3.03	129	2.05	124	3.76	124	3.70
Cambodia	107	3.72	103	3.44	97	2.77	105	4.39	111	4.27
Cameroon	109	3.67	116	3.24	117	2.32	34	5.47	125	3.66
Canada	8	5.84	15	5.50	6	6.12	43	5.36	6	6.39
Chad	133	2.96	133	2.54	134	1.65	97	4.54	134	3.09
Chile	36	5.15	37	4.73	30	4.59	14	5.90	73	5.37
China	42	5.01	56	4.18	47	4.22	11	5.95	50	5.71
Colombia	77	4.24	87	3.66	80	3.07	88	4.71	67	5.53
Costa Rica	63	4.45	50	4.35	94	2.80	85	4.73	37	5.92
Côte d'Ivoire	113	3.64	130	2.82	73	3.33	69	4.93	127	3.49
Croatia	49	4.69	74	3.82	51	3.98	61	5.10	41	5.85
Cyprus	23	5.48	24	5.03	25	5.17	46	5.33	7	6.39
Czech Republic	45	4.85	72	3.87	50	4.11	42	5.37	29	6.07
Denmark	4	6.14	3	6.18	8	6.01	12	5.92	4	6.44
Dominican Republic	99	3.90	119	3.14	81	3.05	78	4.80	106	4.58
Ecuador	90	4.12	129	2.92	108	2.54	16	5.88	92	5.13
Egypt	83	4.18	52	4.25	60	3.74	125	3.56	88	5.19
El Salvador	66	4.43	100	3.46	56	3.90	62	5.10	86	5.26
Estonia	30	5.27	33	4.85	40	4.44	23	5.72	28	6.08
Ethiopia	119	3.56	77	3.80	103	2.66	119	4.00	123	3.79
Finland	1	6.18	2	6.18	9	5.94	8	6.01	1	6.57
France	13	5.76	23	5.10	2	6.54	65	5.04	9	6.35
Gambia, The	81	4.22	38	4.73	62	3.68	99	4.51	119	3.96
Georgia	91	4.07	69	3.89	77	3.23	118	4.02	91	5.14
Germany	7	5.96	14	5.65	1	6.65	40	5.42	24	6.10
Ghana	106	3.74	63	4.02	82	2.98	121	3.91	115	4.04
Greece	51	4.66	58	4.10	45	4.28	106	4.37	40	5.89
Guatemala	84	4.17	98	3.48	71	3.47	87	4.72	99	5.02
Guyana	115	3.60	117	3.23	98	2.76	133	2.84	62	5.57
Honduras	78	4.24	82	3.69	75	3.29	89	4.67	83	5.30
Hong Kong SAR	5	6.05	9	5.78	5	6.32	3	6.26	43	5.82
Hungary	64	4.43	64	3.94	57	3.85	115	4.20	49	5.74
Iceland	11	5.80	6	5.93	17	5.60	56	5.17	2	6.50
India	80	4.23	53	4.23	72	3.38	109	4.32	100	4.99
Indonesia	76	4.25	68	3.89	86	2.95	72	4.91	87	5.26
Ireland	32	5.24	17	5.39	53	3.95	47	5.33	14	6.28
Israel	41	5.06	47	4.53	37	4.48	59	5.15	25	6.10
Italy	58	4.53	84	3.68	54	3.94	100	4.46	30	6.04
Jamaica	97	3.95	86	3.66	67	3.54	130	3.25	77	5.33
Japan	26	5.36	26	4.99	11	5.80	98	4.53	22	6.11
Jordan	47	4.80	27	4.98	44	4.30	111	4.24	56	5.67
Kazakhstan	74	4.29	81	3.71	76	3.26	74	4.87	81	5.30
Kenya	104	3.80	93	3.54	91	2.86	107	4.37	108	4.43
Korea, Rep.	16	5.71	28	4.95	15	5.63	4	6.15	26	6.10
Kuwait	39	5.12	48	4.46	49	4.16	1	6.51	75	5.35
Kyrgyz Republic	124	3.49	122	3.06	111	2.51	128	3.31	96	5.06
Latvia	55	4.63	60	4.05	58	3.81	71	4.91	48	5.76
Lesotho	118	3.57	114	3.26	125	2.14	39	5.42	129	3.44

Table 6: The Global Competitiveness Index: Basic requirements (cont'd.)

Country/Economy	PILLARS									
	BASIC REQUIREMENTS		1. Institutions		2. Infrastructure		3. Macroeconomic stability		4. Health and primary education	
	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score
Libya	75	4.27	65	3.93	112	2.47	6	6.03	103	4.65
Lithuania	46	4.84	55	4.19	46	4.24	52	5.23	52	5.69
Luxembourg	12	5.78	13	5.68	20	5.38	7	6.03	31	6.03
Macedonia, FYR	68	4.42	90	3.58	89	2.90	31	5.51	55	5.67
Madagascar	125	3.49	94	3.52	114	2.41	127	3.38	104	4.63
Malawi	127	3.43	51	4.33	119	2.27	129	3.26	120	3.87
Malaysia	25	5.42	30	4.91	23	5.25	38	5.43	23	6.11
Mali	116	3.58	79	3.73	107	2.55	94	4.60	130	3.43
Malta	40	5.08	32	4.88	38	4.46	68	4.97	32	6.02
Mauritania	130	3.28	107	3.42	127	2.10	126	3.49	114	4.13
Mauritius	50	4.67	39	4.68	43	4.32	117	4.03	57	5.66
Mexico	60	4.47	97	3.49	68	3.51	48	5.32	65	5.55
Moldova	95	3.99	92	3.55	113	2.43	80	4.79	89	5.19
Mongolia	102	3.87	121	3.08	133	1.85	37	5.44	94	5.11
Montenegro	59	4.52	59	4.07	100	2.72	35	5.46	42	5.83
Morocco	67	4.42	61	4.05	70	3.50	84	4.73	71	5.39
Mozambique	131	3.21	112	3.27	124	2.18	112	4.23	132	3.15
Namibia	48	4.71	42	4.59	33	4.56	27	5.69	118	3.99
Nepal	120	3.55	120	3.13	132	1.90	90	4.62	107	4.54
Netherlands	10	5.81	10	5.76	12	5.71	36	5.45	11	6.30
New Zealand	19	5.58	8	5.81	42	4.37	25	5.72	5	6.42
Nicaragua	122	3.54	118	3.20	128	2.07	123	3.86	98	5.03
Nigeria	105	3.74	106	3.42	120	2.24	26	5.70	126	3.59
Norway	14	5.76	7	5.93	27	4.99	17	5.83	12	6.28
Oman	31	5.25	19	5.21	32	4.56	13	5.92	80	5.31
Pakistan	110	3.67	95	3.51	85	2.96	116	4.17	116	4.03
Panama	54	4.64	70	3.88	55	3.94	55	5.19	64	5.56
Paraguay	123	3.51	132	2.64	130	1.91	113	4.22	85	5.27
Peru	94	4.02	101	3.45	110	2.53	67	4.98	95	5.10
Philippines	85	4.17	105	3.44	92	2.86	53	5.21	90	5.17
Poland	70	4.39	88	3.63	96	2.77	50	5.25	39	5.90
Portugal	37	5.14	35	4.75	26	5.07	82	4.74	33	6.00
Puerto Rico	44	4.96	44	4.56	31	4.59	81	4.77	38	5.92
Qatar	21	5.50	16	5.47	35	4.54	19	5.80	18	6.18
Romania	87	4.15	89	3.63	105	2.56	76	4.85	66	5.55
Russian Federation	56	4.54	110	3.29	59	3.75	29	5.55	59	5.59
Saudi Arabia	34	5.21	34	4.75	41	4.39	9	6.01	51	5.70
Senegal	101	3.88	83	3.69	83	2.97	103	4.44	109	4.43
Serbia	88	4.15	108	3.40	102	2.68	86	4.72	46	5.79
Singapore	3	6.14	1	6.19	4	6.39	21	5.74	16	6.24
Slovak Republic	52	4.66	73	3.85	64	3.64	49	5.31	44	5.82
Slovenia	38	5.13	49	4.40	36	4.49	33	5.48	21	6.15
South Africa	69	4.41	46	4.55	48	4.21	63	5.06	122	3.84
Spain	27	5.34	43	4.59	22	5.30	30	5.53	35	5.96
Sri Lanka	92	4.07	66	3.92	65	3.60	132	3.07	53	5.69
Suriname	73	4.31	99	3.47	99	2.72	32	5.51	63	5.56
Sweden	6	5.9975	4	6.05	13	5.71	15	5.88	8	6.35
Switzerland	2	6.14	5	5.97	3	6.40	10	5.97	17	6.22
Syria	71	4.38	54	4.20	74	3.30	93	4.61	70	5.42
Taiwan, China	20	5.53	40	4.67	19	5.46	18	5.82	20	6.16
Tajikistan	112	3.65	78	3.74	101	2.68	131	3.18	101	4.99
Tanzania	114	3.61	76	3.81	118	2.28	108	4.34	117	4.03
Thailand	43	4.97	57	4.17	29	4.67	41	5.41	58	5.61
Timor-Leste	128	3.42	125	3.03	131	1.90	73	4.88	121	3.87
Trinidad and Tobago	65	4.43	104	3.44	63	3.65	51	5.25	72	5.39
Tunisia	35	5.17	22	5.15	34	4.56	75	4.87	27	6.09
Turkey	72	4.34	80	3.72	66	3.54	79	4.79	78	5.33
Uganda	129	3.34	113	3.27	115	2.36	92	4.61	133	3.12
Ukraine	86	4.15	115	3.26	79	3.13	91	4.62	60	5.59
United Arab Emirates	17	5.67	18	5.37	14	5.66	24	5.72	36	5.93
United Kingdom	24	5.46	25	4.99	18	5.52	58	5.15	19	6.17
United States	22	5.50	29	4.93	7	6.10	66	4.99	34	5.97
Uruguay	57	4.53	45	4.55	69	3.50	104	4.41	54	5.68
Venezuela	111	3.65	134	2.41	109	2.54	110	4.29	74	5.36
Vietnam	79	4.23	71	3.87	93	2.86	70	4.91	84	5.29
Zambia	121	3.54	67	3.91	116	2.35	102	4.45	128	3.46
Zimbabwe	134	2.88	126	3.00	88	2.90	134	1.48	113	4.16

**Table 7: The Global Competitiveness Index: Efficiency enhancers**

Country/Economy	PILLARS													
	EFFICIENCY ENHANCERS		5. Higher education and training		6. Goods market efficiency		7. Labor market efficiency		8. Financial market sophistication		9. Technological readiness		10. Market size	
	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score
Albania	99	3.44	97	3.40	119	3.61	67	4.36	103	3.70	92	2.89	106	2.66
Algeria	113	3.29	102	3.28	124	3.52	132	3.30	132	2.94	114	2.52	51	4.17
Argentina	81	3.76	56	4.14	122	3.55	130	3.47	117	3.46	76	3.19	24	4.77
Armenia	103	3.41	94	3.43	110	3.75	45	4.57	107	3.68	112	2.56	111	2.48
Australia	10	5.31	14	5.44	10	5.29	9	5.12	6	5.76	19	5.21	19	5.02
Austria	20	5.03	17	5.28	5	5.38	39	4.65	33	5.01	16	5.34	32	4.56
Azerbaijan	79	3.82	80	3.76	89	3.96	34	4.70	92	3.89	72	3.23	73	3.37
Bahrain	46	4.32	54	4.22	32	4.77	64	4.37	14	5.50	39	4.29	100	2.78
Bangladesh	97	3.48	131	2.51	106	3.83	107	4.01	82	4.05	126	2.34	53	4.14
Barbados	56	4.16	29	4.76	72	4.16	46	4.53	38	4.80	26	4.81	127	1.88
Belgium	21	5.02	6	5.63	12	5.22	79	4.26	23	5.25	23	5.01	25	4.75
Benin	123	3.20	114	3.00	107	3.79	118	3.87	99	3.72	113	2.54	123	2.27
Bolivia	128	3.10	96	3.41	131	3.12	129	3.48	119	3.37	133	2.15	87	3.08
Bosnia and Herzegovina	102	3.42	109	3.13	123	3.55	85	4.20	86	4.00	109	2.61	92	3.00
Botswana	82	3.76	87	3.66	93	3.94	52	4.49	40	4.79	89	2.98	101	2.72
Brazil	51	4.28	58	4.12	101	3.90	91	4.15	64	4.36	56	3.59	10	5.54
Brunei Darussalam	77	3.84	69	3.93	91	3.95	16	4.94	75	4.15	54	3.64	116	2.41
Bulgaria	65	4.05	61	4.09	77	4.11	60	4.42	74	4.18	53	3.65	58	3.83
Burkina Faso	118	3.25	124	2.71	83	4.03	80	4.25	108	3.65	120	2.45	117	2.37
Burundi	133	2.73	130	2.55	128	3.39	95	4.12	134	2.76	131	2.19	131	1.40
Cambodia	115	3.28	127	2.66	88	4.00	33	4.71	130	2.96	123	2.42	95	2.96
Cameroon	120	3.22	121	2.78	108	3.77	114	3.91	124	3.21	110	2.60	89	3.06
Canada	5	5.44	9	5.52	16	5.18	7	5.29	10	5.58	9	5.61	14	5.43
Chad	134	2.69	134	2.06	134	2.91	119	3.85	133	2.80	134	2.06	113	2.43
Chile	30	4.58	50	4.34	26	4.91	17	4.90	29	5.05	42	3.99	47	4.26
China	40	4.41	64	4.05	51	4.48	51	4.49	109	3.64	77	3.19	2	6.58
Colombia	70	3.96	68	3.96	82	4.05	92	4.14	81	4.06	80	3.12	37	4.45
Costa Rica	60	4.09	49	4.35	49	4.50	35	4.68	70	4.24	60	3.49	78	3.28
Côte d'Ivoire	109	3.33	112	3.11	117	3.66	111	3.95	113	3.56	99	2.76	94	2.96
Croatia	62	4.08	48	4.35	76	4.11	68	4.35	63	4.37	47	3.72	66	3.57
Cyprus	39	4.43	32	4.68	28	4.88	56	4.44	27	5.11	35	4.35	82	3.12
Czech Republic	28	4.67	25	4.98	33	4.73	28	4.74	47	4.65	33	4.48	38	4.45
Denmark	3	5.49	2	5.98	4	5.39	5	5.60	4	5.82	3	5.87	46	4.27
Dominican Republic	90	3.64	99	3.36	86	4.02	86	4.20	101	3.71	73	3.20	72	3.38
Ecuador	117	3.27	115	2.96	129	3.29	122	3.76	125	3.21	104	2.69	61	3.73
Egypt	88	3.70	91	3.56	87	4.00	134	3.26	106	3.68	84	3.04	27	4.67
El Salvador	84	3.75	95	3.42	59	4.27	57	4.43	72	4.23	90	2.95	81	3.18
Estonia	26	4.73	19	5.23	24	4.98	29	4.74	28	5.08	17	5.30	90	3.04
Ethiopia	121	3.21	126	2.68	116	3.68	74	4.29	127	3.11	132	2.18	76	3.32
Finland	13	5.21	1	6.07	11	5.22	23	4.81	12	5.51	14	5.46	52	4.16
France	16	5.09	16	5.37	21	5.01	105	4.05	25	5.19	20	5.16	7	5.73
Gambia, The	107	3.36	105	3.21	68	4.18	38	4.66	87	3.96	91	2.90	132	1.26
Georgia	87	3.72	84	3.72	71	4.17	22	4.83	79	4.06	97	2.80	102	2.72
Germany	11	5.22	21	5.15	15	5.19	58	4.43	19	5.35	18	5.22	4	5.99
Ghana	95	3.49	111	3.12	97	3.91	108	4.00	69	4.28	115	2.52	86	3.09
Greece	57	4.16	38	4.52	64	4.22	116	3.89	67	4.29	59	3.50	33	4.52
Guatemala	86	3.72	103	3.27	54	4.38	81	4.25	95	3.85	74	3.20	74	3.36
Guyana	112	3.31	81	3.74	96	3.92	109	3.99	98	3.80	103	2.70	129	1.69
Honduras	91	3.62	93	3.43	75	4.11	82	4.23	84	4.02	96	2.81	84	3.12
Hong Kong SAR	6	5.43	28	4.78	2	5.71	4	5.62	1	6.19	10	5.60	26	4.68
Hungary	48	4.31	40	4.51	66	4.20	83	4.23	61	4.42	40	4.21	45	4.28
Iceland	22	4.89	4	5.69	27	4.89	6	5.41	20	5.31	6	5.65	118	2.36
India	33	4.49	63	4.06	47	4.52	89	4.16	34	4.98	69	3.27	5	5.96
Indonesia	49	4.29	71	3.88	37	4.67	43	4.59	57	4.48	88	3.02	17	5.11
Ireland	19	5.05	20	5.18	9	5.30	15	4.95	7	5.68	24	4.98	48	4.22
Israel	23	4.84	24	5.02	36	4.67	20	4.85	15	5.46	25	4.87	49	4.19
Italy	42	4.38	44	4.43	62	4.24	126	3.56	91	3.90	31	4.52	9	5.65
Jamaica	75	3.91	82	3.74	63	4.24	70	4.34	59	4.44	45	3.89	98	2.80
Japan	12	5.22	23	5.08	18	5.13	11	5.09	42	4.75	21	5.11	3	6.15
Jordan	63	4.07	42	4.46	44	4.55	93	4.13	48	4.61	57	3.59	88	3.08
Kazakhstan	64	4.05	59	4.12	80	4.09	12	5.02	97	3.81	75	3.19	55	4.08
Kenya	76	3.90	86	3.70	74	4.12	40	4.65	44	4.68	93	2.88	71	3.40
Korea, Rep.	15	5.15	12	5.51	22	5.00	41	4.60	37	4.85	13	5.51	13	5.44
Kuwait	52	4.19	76	3.82	53	4.46	24	4.79	51	4.59	50	3.70	59	3.79
Kyrgyz Republic	110	3.33	83	3.73	120	3.59	69	4.35	115	3.53	124	2.41	120	2.34
Latvia	47	4.31	33	4.67	52	4.46	32	4.71	39	4.80	41	4.00	79	3.24
Lesotho	125	3.16	106	3.20	102	3.89	84	4.21	118	3.42	125	2.41	128	1.83

Table 7: The Global Competitiveness Index: Efficiency enhancers (cont'd.)

Country/Economy	EFFICIENCY ENHANCERS		PILLARS											
	Rank	Score	5. Higher education and training		6. Goods market efficiency		7. Labor market efficiency		8. Financial market sophistication		9. Technological readiness		10. Market size	
			Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score
Libya	114	3.29	75	3.83	121	3.56	133	3.27	131	2.95	98	2.79	77	3.31
Lithuania	43	4.37	26	4.85	48	4.52	49	4.52	56	4.50	38	4.29	69	3.51
Luxembourg	27	4.69	47	4.39	13	5.21	48	4.52	17	5.39	12	5.52	83	3.12
Macedonia, FYR	92	3.58	73	3.85	98	3.91	113	3.92	83	4.04	83	3.05	104	2.69
Madagascar	119	3.23	119	2.83	85	4.02	72	4.30	128	3.09	111	2.58	109	2.58
Malawi	101	3.42	116	2.85	84	4.03	42	4.60	62	4.40	127	2.33	121	2.34
Malaysia	24	4.82	35	4.63	23	5.00	19	4.86	16	5.40	34	4.41	28	4.65
Mali	122	3.20	122	2.77	95	3.93	94	4.13	120	3.35	105	2.64	119	2.36
Malta	44	4.35	39	4.51	43	4.55	100	4.08	18	5.36	27	4.75	97	2.84
Mauritania	130	2.91	133	2.35	126	3.45	112	3.92	126	3.13	102	2.71	126	1.91
Mauritius	66	4.03	67	3.97	40	4.64	65	4.37	32	5.02	55	3.62	110	2.54
Mexico	55	4.16	74	3.83	73	4.14	110	3.97	66	4.30	71	3.25	11	5.48
Moldova	98	3.48	88	3.62	105	3.84	55	4.45	104	3.69	95	2.85	114	2.42
Mongolia	105	3.39	85	3.71	109	3.76	71	4.32	110	3.63	101	2.74	124	2.16
Montenegro	72	3.95	55	4.18	69	4.17	53	4.47	35	4.96	43	3.96	125	1.95
Morocco	85	3.73	90	3.57	58	4.34	128	3.54	93	3.88	78	3.18	57	3.91
Mozambique	129	3.09	129	2.56	127	3.44	98	4.10	122	3.27	116	2.52	107	2.63
Namibia	93	3.57	110	3.13	94	3.93	50	4.49	53	4.54	85	3.03	122	2.31
Nepal	126	3.12	125	2.69	113	3.73	124	3.61	105	3.69	130	2.22	99	2.80
Netherlands	7	5.38	11	5.52	3	5.39	30	4.72	11	5.57	1	6.01	18	5.06
New Zealand	17	5.07	15	5.40	17	5.17	10	5.10	3	5.87	22	5.09	60	3.78
Nicaragua	116	3.27	113	3.06	112	3.73	99	4.10	100	3.72	122	2.42	108	2.61
Nigeria	71	3.96	108	3.13	56	4.37	59	4.43	54	4.53	94	2.87	39	4.41
Norway	14	5.19	10	5.52	20	5.05	14	4.97	13	5.51	4	5.81	44	4.29
Oman	61	4.09	66	3.98	39	4.65	44	4.58	50	4.60	68	3.34	75	3.36
Pakistan	89	3.67	123	2.74	100	3.90	121	3.79	71	4.24	100	2.75	29	4.58
Panama	67	4.02	77	3.82	57	4.36	77	4.27	26	5.17	62	3.45	85	3.10
Paraguay	111	3.31	117	2.85	104	3.87	117	3.87	96	3.81	119	2.46	93	2.98
Peru	69	4.01	89	3.62	61	4.25	75	4.28	45	4.68	87	3.03	50	4.19
Philippines	68	4.02	60	4.10	81	4.08	101	4.08	78	4.09	70	3.26	34	4.50
Poland	41	4.39	34	4.64	65	4.22	62	4.40	68	4.28	46	3.79	20	5.00
Portugal	34	4.47	37	4.59	45	4.53	87	4.18	43	4.71	32	4.51	43	4.32
Puerto Rico	38	4.44	36	4.62	29	4.87	37	4.66	30	5.04	44	3.92	68	3.53
Qatar	31	4.53	31	4.69	38	4.66	31	4.71	22	5.25	37	4.31	67	3.54
Romania	54	4.18	52	4.29	67	4.18	97	4.10	60	4.42	48	3.70	42	4.38
Russian Federation	50	4.29	46	4.40	99	3.90	27	4.74	112	3.60	67	3.36	8	5.71
Saudi Arabia	45	4.35	53	4.29	34	4.71	63	4.37	73	4.22	51	3.69	22	4.81
Senegal	96	3.48	92	3.44	60	4.26	120	3.82	111	3.60	81	3.11	105	2.66
Serbia	78	3.82	70	3.91	115	3.68	66	4.36	89	3.94	61	3.45	65	3.59
Singapore	2	5.52	8	5.56	1	5.83	2	5.71	2	5.94	7	5.65	41	4.41
Slovak Republic	32	4.52	45	4.43	35	4.71	36	4.67	31	5.04	36	4.35	56	3.94
Slovenia	37	4.45	22	5.15	50	4.49	61	4.41	46	4.67	30	4.53	70	3.44
South Africa	35	4.46	57	4.13	31	4.79	88	4.17	24	5.22	49	3.70	23	4.77
Spain	25	4.75	30	4.75	41	4.63	96	4.11	36	4.93	29	4.59	12	5.47
Sri Lanka	74	3.92	65	3.98	42	4.59	115	3.89	65	4.34	82	3.07	64	3.63
Suriname	127	3.11	100	3.30	125	3.50	104	4.07	114	3.54	108	2.61	130	1.64
Sweden	9	5.35	3	5.83	7	5.34	26	4.74	8	5.65	2	5.99	30	4.57
Switzerland	8	5.35	7	5.60	6	5.34	3	5.66	21	5.26	5	5.76	35	4.49
Syria	104	3.41	101	3.28	92	3.94	123	3.67	121	3.28	107	2.64	63	3.63
Taiwan, China	18	5.06	13	5.46	14	5.19	21	4.83	58	4.45	15	5.34	16	5.11
Tajikistan	124	3.19	104	3.24	118	3.64	78	4.26	123	3.26	128	2.31	115	2.41
Tanzania	108	3.34	132	2.42	111	3.74	73	4.30	94	3.86	117	2.51	80	3.21
Thailand	36	4.45	51	4.31	46	4.53	13	4.98	49	4.60	66	3.37	21	4.92
Timor-Leste	132	2.77	128	2.57	130	3.19	90	4.15	129	3.05	118	2.48	134	1.18
Trinidad and Tobago	80	3.78	78	3.81	90	3.96	76	4.28	52	4.57	63	3.40	103	2.69
Tunisia	53	4.19	27	4.85	30	4.80	103	4.07	77	4.09	52	3.68	62	3.63
Turkey	59	4.10	72	3.87	55	4.38	125	3.57	76	4.11	58	3.53	15	5.16
Uganda	106	3.37	120	2.81	114	3.69	25	4.75	102	3.70	121	2.44	96	2.85
Ukraine	58	4.12	43	4.46	103	3.87	54	4.47	85	4.00	65	3.38	31	4.56
United Arab Emirates	29	4.64	41	4.48	25	4.94	18	4.88	41	4.77	28	4.63	54	4.14
United Kingdom	4	5.45	18	5.27	19	5.05	8	5.19	5	5.81	8	5.62	6	5.77
United States	1	5.81	5	5.67	8	5.32	1	5.79	9	5.61	11	5.57	1	6.91
Uruguay	83	3.76	62	4.07	79	4.10	106	4.02	88	3.95	64	3.39	91	3.04
Venezuela	94	3.55	79	3.76	132	3.09	131	3.43	116	3.50	86	3.03	36	4.49
Vietnam	73	3.94	98	3.36	70	4.17	47	4.52	80	4.06	79	3.12	40	4.41
Zambia	100	3.43	118	2.83	78	4.11	102	4.08	55	4.51	106	2.64	112	2.43
Zimbabwe	131	2.87	107	3.18	133	3.05	127	3.56	90	3.92	129	2.28	133	1.25

Table 8: The Global Competitiveness Index: Innovation and sophistication factors

Country/Economy	INNOVATION AND SOPHISTICATION FACTORS		PILLARS			
			11. Business sophistication		12. Innovation	
	Rank	Score	Rank	Score	Rank	Score
Albania	130	2.74	123	3.27	132	2.22
Algeria	126	2.85	132	3.03	113	2.66
Argentina	81	3.43	71	3.99	98	2.87
Armenia	113	3.03	120	3.30	106	2.77
Australia	22	4.66	26	4.86	20	4.46
Austria	12	5.16	6	5.65	15	4.68
Azerbaijan	57	3.72	81	3.91	40	3.53
Bahrain	54	3.76	44	4.49	75	3.04
Bangladesh	115	2.98	105	3.46	122	2.51
Barbados	51	3.84	56	4.27	49	3.41
Belgium	15	5.02	11	5.36	14	4.69
Benin	100	3.21	103	3.49	95	2.93
Bolivia	134	2.59	133	3.03	133	2.16
Bosnia and Herzegovina	129	2.80	125	3.23	128	2.37
Botswana	98	3.22	106	3.45	83	2.98
Brazil	42	4.04	35	4.58	43	3.50
Brunei Darussalam	87	3.35	89	3.75	91	2.94
Bulgaria	92	3.30	92	3.69	96	2.91
Burkina Faso	95	3.27	96	3.58	89	2.95
Burundi	125	2.85	127	3.21	123	2.50
Cambodia	112	3.04	110	3.41	112	2.67
Cameroon	108	3.08	108	3.43	108	2.72
Canada	16	4.96	18	5.10	13	4.82
Chad	131	2.70	129	3.06	130	2.35
Chile	44	4.00	31	4.65	56	3.35
China	32	4.18	43	4.50	28	3.87
Colombia	60	3.71	64	4.20	61	3.22
Costa Rica	39	4.07	42	4.51	38	3.62
Côte d'Ivoire	94	3.27	88	3.76	105	2.78
Croatia	62	3.70	72	3.98	50	3.41
Cyprus	41	4.05	36	4.57	41	3.53
Czech Republic	25	4.37	29	4.77	25	3.98
Denmark	7	5.37	5	5.66	10	5.09
Dominican Republic	86	3.38	75	3.97	103	2.78
Ecuador	118	2.95	99	3.54	129	2.36
Egypt	74	3.54	77	3.93	67	3.15
El Salvador	96	3.24	79	3.93	118	2.56
Estonia	40	4.06	50	4.38	31	3.74
Ethiopia	114	2.98	122	3.27	109	2.69
Finland	5	5.53	10	5.49	2	5.57
France	14	5.08	9	5.50	16	4.67
Gambia, The	78	3.48	74	3.97	81	2.99
Georgia	109	3.07	112	3.39	107	2.74
Germany	4	5.54	1	5.87	8	5.22
Ghana	107	3.09	98	3.56	114	2.62
Greece	68	3.65	66	4.13	63	3.18
Guatemala	65	3.69	52	4.33	74	3.05
Guyana	111	3.04	95	3.60	124	2.49
Honduras	89	3.32	82	3.87	104	2.78
Hong Kong SAR	21	4.69	13	5.26	24	4.11
Hungary	55	3.75	68	4.05	45	3.45
Iceland	19	4.82	20	5.03	18	4.62
India	27	4.29	27	4.85	32	3.74
Indonesia	45	3.98	39	4.55	47	3.42
Ireland	20	4.72	19	5.05	21	4.39
Israel	13	5.10	23	4.95	6	5.26
Italy	31	4.19	21	4.99	53	3.38
Jamaica	72	3.57	69	4.01	68	3.14
Japan	3	5.65	3	5.78	4	5.52
Jordan	47	3.90	47	4.41	51	3.40
Kazakhstan	77	3.50	86	3.79	62	3.21
Kenya	50	3.87	63	4.21	42	3.52
Korea, Rep.	10	5.20	16	5.22	9	5.18
Kuwait	52	3.82	38	4.56	71	3.07
Kyrgyz Republic	123	2.90	121	3.28	121	2.51
Latvia	84	3.39	83	3.85	93	2.94
Lesotho	110	3.06	126	3.22	97	2.91
Libya	102	3.16	101	3.51	100	2.82
Lithuania	49	3.87	49	4.39	55	3.35
Luxembourg	24	4.51	25	4.87	23	4.15
Macedonia, FYR	105	3.16	107	3.45	99	2.86
Madagascar	97	3.22	102	3.49	87	2.96
Malawi	101	3.20	104	3.46	94	2.93
Malaysia	23	4.63	22	4.99	22	4.28
Mali	99	3.21	111	3.41	79	3.01
Malta	56	3.74	59	4.23	60	3.25
Mauritania	120	2.93	114	3.38	125	2.48
Mauritius	69	3.65	55	4.29	80	3.01
Mexico	70	3.60	58	4.24	90	2.95
Moldova	128	2.83	131	3.05	116	2.61
Mongolia	119	2.94	130	3.06	102	2.82
Montenegro	88	3.33	90	3.71	88	2.96
Morocco	76	3.51	70	3.99	78	3.02
Mozambique	127	2.84	128	3.14	120	2.55
Namibia	104	3.16	94	3.63	111	2.68
Nepal	121	2.91	117	3.34	126	2.47
Netherlands	9	5.20	8	5.58	12	4.82
New Zealand	28	4.26	37	4.57	26	3.95
Nicaragua	124	2.86	119	3.30	127	2.42
Nigeria	64	3.69	61	4.23	65	3.16
Norway	18	4.91	15	5.22	19	4.60
Oman	48	3.87	54	4.29	44	3.45
Pakistan	85	3.39	87	3.79	82	2.99
Panama	58	3.71	51	4.36	73	3.07
Paraguay	132	2.69	118	3.32	134	2.06
Peru	83	3.40	67	4.12	110	2.68
Philippines	67	3.65	57	4.26	76	3.04
Poland	61	3.70	62	4.23	64	3.17
Portugal	43	4.03	48	4.39	35	3.66
Puerto Rico	26	4.32	28	4.85	30	3.80
Qatar	35	4.14	45	4.47	29	3.81
Romania	75	3.53	78	3.93	69	3.14
Russian Federation	73	3.56	91	3.70	48	3.41
Saudi Arabia	37	4.09	41	4.51	34	3.68
Senegal	59	3.71	65	4.15	59	3.27
Serbia	91	3.30	100	3.51	70	3.09
Singapore	11	5.16	14	5.25	11	5.08
Slovak Republic	53	3.80	53	4.33	58	3.28
Slovenia	33	4.15	34	4.59	33	3.72
South Africa	36	4.13	33	4.62	37	3.64
Spain	29	4.25	24	4.89	39	3.61
Sri Lanka	34	4.14	32	4.64	36	3.65
Suriname	117	2.97	113	3.38	117	2.57
Sweden	6	5.53	7	5.64	5	5.42
Switzerland	2	5.68	2	5.81	3	5.54
Syria	80	3.45	76	3.94	84	2.97
Taiwan, China	8	5.26	12	5.28	7	5.23
Tajikistan	103	3.16	116	3.35	85	2.97
Tanzania	106	3.12	109	3.41	101	2.82
Thailand	46	3.91	46	4.43	54	3.38
Timor-Leste	133	2.62	134	2.92	131	2.32
Trinidad and Tobago	79	3.47	73	3.98	86	2.97
Tunisia	30	4.21	40	4.51	27	3.91
Turkey	63	3.70	60	4.23	66	3.16
Uganda	90	3.32	97	3.57	72	3.07
Ukraine	66	3.66	80	3.91	52	3.40
United Arab Emirates	38	4.09	30	4.76	46	3.42
United Kingdom	17	4.93	17	5.20	17	4.66
United States	1	5.80	4	5.75	1	5.84
Uruguay	82	3.42	85	3.82	77	3.02
Venezuela	116	2.98	115	3.35	115	2.61
Vietnam	71	3.59	84	3.84	57	3.35
Zambia	93	3.29	93	3.64	92	2.94
Zimbabwe	122	2.90	124	3.26	119	2.55

excellent capacity for innovation (ranked 2nd on all three indicators). The country's overall competitive performance, however, is dragged down by its macroeconomic weaknesses, with an extremely high budget deficit (ranked 110th), which have led to the buildup of one of the highest public debt levels in the world (ranked 129th). Financial markets also remain an area of concern, traced to a lack of trust in the banking sector, for example (Japan ranks 93rd on the soundness of its banks). Japan's current ranking marks a drop of one position since last year, with a measurable weakening across a broad range of areas, most notably a number of aspects of the country's public institutions. In particular, the business community perceives that government spending has become more wasteful and public trust in politicians has diminished further since last year's assessment.

**Canada** moves up three places to join the top 10 (ranked 10th). Canada benefits from top-notch transport and telephony infrastructure; highly efficient markets, particularly labor and financial markets (ranked 7th and 10th respectively); and well-functioning and transparent institutions (ranked 15th). In addition, the educational system gets excellent marks for quality, which has prepared the country's workforce to adopt the latest technologies for productivity enhancements (ranked 9th). Canada's main weakness remains its macroeconomic stability, where it is ranked 43rd, mainly linked to the significant government debt of nearly 70 percent of GDP, which places the country 107th out of 134 countries on this indicator. On a more positive note, however, the government has been running small surpluses over recent years, which is allowing the country to put the debt level on a downward trend.

## Europe

Europe continues to feature prominently among the most competitive regions in the world, with 12 European countries among the top 20, as follows: Switzerland (2nd), Denmark (3rd), Sweden (4th), Finland (6th), Germany (7th), the Netherlands (8th), the United Kingdom (12th), Austria (14th), Norway (15th), France (16th), Belgium (19th), and Iceland (20th). However, the picture for Central and Eastern Europe is bleaker, with several countries losing positions in the rankings echoing the recent economic downturn in the region.

**The United Kingdom** falls three positions to 12th place this year. Among the country's notable strengths is the efficiency of its labor market (ranked 8th), standing in contrast to the rigidity of many other EU countries. In addition, notwithstanding the recent financial crisis, the United Kingdom's financial markets continue to be assessed as among the most efficient in the world, although they have slipped from 2nd to 5th place since last year, attributable to rising concerns in the business sector about the soundness of banks and the ease of access to various forms of capital. The United Kingdom is also harnessing the latest technologies for

productivity improvements; it is ranked 8th on the technological readiness pillar. On the other hand, the country's greatest weakness remains its macroeconomic environment (ranked 58th), with low national savings, a growing public-sector deficit, and consequential public indebtedness. A more detailed analysis of the United Kingdom's competitiveness can be found in Box 1.

**France** is ranked 16th in this year's GCI, up two places from last year and demonstrating a number of competitive strengths. The country's infrastructure is among the best in the world (ranked 2nd), with outstanding transport links, energy infrastructure, and communications. The health of the workforce and the quality and quantity of education provision are other clear strengths (ranked 9th for health and primary education and 16th for higher education and training), ensuring a healthy and educated workforce. In addition, the sophistication of its business culture (9th in the business sophistication pillar) and its leadership in the area of technological innovation (16th in the innovation pillar) are important attributes that have helped to boost the country's growth potential.

On the other hand, a number of weaknesses are hindering the country from unleashing its competitive potential. France's labor market flexibility continues to be ranked very low (131st) because of the rigidity of wage determination, high nonwage labor costs, and the strict rules on firing and hiring, as well as the poor labor employer relations in the country. It is clear that structural reforms in this area, long mooted, are long overdue. Another area of concern is macroeconomic stability (65th): the government budget deficit and the related public-sector debt ratio remain large, and the national savings rate, while growing, still remains low by international standards.

In spite of the economic slowdown recently observed in **Spain**, the country remains stable at 29th place. Spain's competitiveness performance continues to be boosted by the large market (12th) available to its national companies; a highly sophisticated business sector (24th), which is effectively leveraging ICT and exogenous technology (29th in the technological readiness pillar); first-class infrastructure (22nd); good-quality higher education and training (30th); and strong macroeconomic fundamentals (30th). On a more negative note, its institutional environment (43rd) and innovation potential (39th) could be strengthened to further buttress its economic potential. And the greatest area of concern remains the highly inflexible labor market (126th), a matter of particular concern given the recently rising unemployment in the country.

On a less positive note, **Italy** (ranked 49th) is down by three places this year. The country continues to do well in more complex areas measured by the GCI, particularly the sophistication of its businesses environment. Italy is ranked 21st for its business sophistication, producing goods high on the value chain using the latest



### Box 1: The United Kingdom: Ensuring its future competitiveness

Over the past decade, the United Kingdom (UK) has seen a period of rapid growth. GDP per capita increased more than in most European Union (EU) and G7 economies, and the country has undergone profound shifts as it took advantage of globalization. Yet despite this positive growth trend, the United Kingdom's ranking in the Global Competitiveness Index (GCI) has dropped by 10 positions since 2006, to 12th place this year.<sup>1</sup>

There is no doubt that the UK economy benefits from a number of clear assets. Liberal policies in the area of trade and investment ensured efficient markets for goods and services through high levels of domestic and foreign competition. This in turn increased productivity. The country's highly sophisticated financial institutions took advantage of the increasing internationalization of financial flows to strengthen London's position as a key global financial center. The highly flexible and efficient labor markets, ranked 8th, enabled the shifting of workers from declining manufacturing industries to the rapidly growing services sector. As a result, unemployment was at a low 5.3 percent in 2006 despite considerable migration from Eastern Europe after the 2004 EU enlargement. All of these attributes contributed to healthy and stable economic growth over the past decade. Yet GDP growth in 2008 is now expected to be less than half the rate registered in 2007,<sup>2</sup> in large part because of the impact of the present financial crisis. This has highlighted the importance of addressing a number of challenges to improve the United Kingdom's competitiveness and better buttress the economy from future shocks.

Among the pillars of the GCI, the macroeconomic environment remains the weakest aspect of the UK competitiveness assessment. The United Kingdom ranks 58th on this pillar, down by 10 positions from last year. The significant and increasing budget deficit, ranked 105th and amounting to over 3 percent of GDP in 2007, has contributed to this worsening assessment. And although the 2008 budget is committed to tighter fiscal policy over the next two years, the efficiency as well as the quantity of spending are of concern: business leaders consider government spending to be increasingly wasteful, with the United Kingdom placing 76th on the related indicator, down from 40th last year. A recent OECD report echoes this perception,<sup>3</sup> in particular for publicly funded services such as the health sector.<sup>4</sup> Improving spending efficiency will be particularly important in the shorter term, because the current economic downturn is likely to decrease tax revenues.<sup>5</sup> Over the longer term, the aging of the population will put additional pressures on the budget.

The institutions pillar is another component of the GCI that stands out for its fairly weak and deteriorating assessment in the case of the United Kingdom. The country places 25th this year, 12 positions below last year's ranking. The more fragile security situation following the 2005 terrorist attacks, and the threat of new attacks, impose significant costs on business, as reflected in the rank of 124 on the related indicator. More generally, the business community has less faith in government institutions than in the past: there is less trust in politicians, and a feeling that policymaking is more opaque.

As mentioned above, the financial markets remain one of the competitive advantages of the United Kingdom. However, compared with last year, there has been a notable weakening of this area as measured by the GCI. Specifically, the assessment of the overall sophistication of financial markets has dropped from 2nd to 5th place over the past year. This drop is linked to less easy access to various forms of capital and to rising concerns in the business sector about the soundness of banks (falling by 40 positions to 44th place), not surprising given the collapse or near collapse of significant financial institutions in the country. In response to this development, the government has initiated substantial changes to the financial regulatory framework.

Another area for reform, as indicated by the GCI, is the educational system. Enrollment rates in secondary and, to a lesser extent, tertiary education are below the average of the EU15 countries, ranking 34th and 26th, respectively. This may lead to skills shortages in the future, particularly as the quality of the educational system is not among the world's best, with overall quality ranked 28th and the quality of math and science education 47th. A more efficient use of talent could be achieved through efforts to increase social mobility, as the socioeconomic background of a student is currently quite decisive for his or her educational attainment.

In light of the present economic downturn, policy priorities will certainly focus on supporting a rapid return to past growth rates. Yet it is equally important not to neglect these fundamental challenges that undermine the country's underlying competitiveness and may put longer-term growth at risk.

#### Notes

- 1 The United Kingdom was 2nd in the 2006 edition of the GCI and 9th last year.
- 2 IMF 2008b.
- 3 OECD 2007.
- 4 In 2005 public expenditure on health amounted to 7.2 percent of GDP (OECD 2008).
- 5 Increasing efficiency is also a more appropriate policy response than fiscal tightening given the slowing economy.

production processes, thanks also to strong business clusters. However, Italy's overall competitiveness performance is held back by some critical structural weaknesses in the economy. The labor market remains among the most rigid in the world, with Italy ranked 129th out of 134 countries for its labor market flexibility, creating a large hindrance to job creation. Another problematic area is its weak public finances and extremely high levels of public indebtedness (ranked 123rd on this indicator), related to the inefficient use of public resources (it is ranked 128th for the wastefulness of government spending). Other institutional weaknesses are its 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.

Among the 12 countries that joined the European Union (EU) since 2004, **Estonia** (ranked 32nd) continues to be, by a significant margin, the most competitive economy, despite a fall of five places in the rankings since last year. Estonia has built up efficient government institutions (ranked 23rd) and well-functioning markets. The government manages public finances adeptly and has been successful in its efforts to make Estonia one of the most aggressive countries in adopting new technologies for productivity enhancements (17th). The drop in the country's ranking is mainly attributable to a lower government budget surplus and increasing inflation, and echoes the recent economic downturn in the Baltic region. This stands in contrast to **Bulgaria** (ranked 76th), one of the newest and the lowest ranked EU members. Bulgaria's low ranking is attributed, among other factors, to infrastructure inadequacies and institutional weaknesses including burgeoning corruption. However, on a positive note, Bulgaria has moved up four places in the rankings since last year, an improvement possibly linked to the perceived benefits brought about by accession, a trend also witnessed in **Romania** (up six positions at 68th position), the other new EU member since 2007.

**Russia** is ranked 51st, up seven places from last year. Russia's main strengths are its large market size and improving macroeconomic stability (partly thanks to windfall oil revenues). However, to improve its competitiveness further, the country must tackle a number of structural weaknesses. Of major concern is a perceived lack of government efficiency (116th), the lack of independence of the judiciary in meting out justice (109th), and more general concerns about government favoritism in its dealings with the private sector. Private institutions also get poor marks, with corporate ethics in the country placing Russia 112th overall on this indicator. In addition, goods and financial markets are inefficient by international standards (ranked 99th and 112th respectively). All these areas make it very difficult to do business in the country and should be addressed to place Russia on a more sustainable development path going forward.

After improving last year, **Turkey** (63rd) has dropped by 10 places in the rankings this year. Turkey continues to benefit from its large market, which is characterized by relatively high competition (46th). However, some more basic issues must still be tackled, such as upgrading the quality of infrastructure (especially ports and the electricity supply), improving the human resources base through better primary education and better health care (78th), addressing the burgeoning inefficiencies in the labor market (125th), and reinforcing the efficiency and transparency of public institutions. Indeed, there has been measurable decrease since last year in the public's trust in government institutions, demonstrated by a drop in rank from 57th to 82nd on this subpillar, likely related in part to recent political turbulence, such as the failed attempt to ban the ruling party. The overall drop in rank can also be traced to a weakening of the country's perceived financial market efficiency (which fell from 61st to 76th place), with a drying up of credit through the banking sector and increasing concerns about the soundness of banks more generally in the country.

#### Latin America and the Caribbean

As was the case last year, the important progress recently made by Latin America in improving its macroeconomic stability and ensuring more stable growth does not seem to be fully reflected in the competitiveness performance of the region, as appraised by the GCI.<sup>21</sup> Only Chile, at 28th, continues to feature among the most competitive economies in the world, followed by the small Caribbean economies of Puerto Rico (41st) and Barbados (47th), and showing a significant gap with respect to the second highest ranked Latin American country, Panama (58th). Costa Rica (59th), Mexico (60th), and Brazil (64th) also figure in the top half of the rankings.

**Chile** remains at a comparatively high rank of 28, despite a fall of two places since last year, and is once again leading the region and most of the world in competitiveness. The country's remarkable success story has much to do with its sound macroeconomic management, coupled with timely market liberalization and opening to trade, all taking place within the context of a transparent and predictable regulatory framework. Specifically, Chile has successfully laid most of the basic foundations for competitiveness, including strong macroeconomic fundamentals (14th), well-developed infrastructure (30th), efficient institutions (37th), and a good health-care system (31st in the health subpillar). Moreover it displays efficient goods (26th) and labor (17th) markets, together with a fairly sophisticated financial market (29th), buttressed by the largest pension industry in the region (worth over 60 percent of GDP).<sup>22</sup> All of these attributes have contributed to Chile's "Asian style" growth rates for the past 25 years.

The current challenge for Chile, which is bound to become even more pressing as the country moves up

the growth path and gets closer to the technological frontier, relates to the quality of its educational system. Both basic (105th) and higher (50th) education receive middling to poor marks, which bodes poorly for the country's capacity for knowledge generation and innovation. In particular, a well-functioning higher educational system producing a sufficient pool of skilled workers (especially scientists and engineers) is crucial not only to address the changing needs of an efficiency-driven production system, but also to provide the necessary environment for technology absorption. Although Chile has significantly increased its investment in education in recent years, accompanied by rising educational attainment rates, much remains to be done to catch up with the standards of countries such as Korea, Israel, and the European Nordic countries, presently the world leaders in this area.

Down five places from last year and now ranked 41st, **Puerto Rico** is the second highest ranked economy in Latin America and the Caribbean. The island's competitiveness continues to rest on its well-functioning goods (29th), labor (37th), and financial (30th) markets, coupled with a dynamic and sophisticated business sector (28th), which displays an important innovative potential (30th). Within the Caribbean, **Barbados** is also very successful by regional standards, moving up three places to 47th this year. The rather worrisome macroeconomic weaknesses displayed by the country

(114th) are counterbalanced by its excellent institutional environment (20th), first-class infrastructure (24th), and high-quality primary (5th) and higher (29th) education, among other factors.

**Panama**, fairly stable at 58th, and **Costa Rica**, up four positions to 59th, are the most competitive countries in Central America. Costa Rica, in particular, has showed an impressive upward trend in the past few years, gaining a total of nine positions since 2006. The country's main competitive advantages can be found in its fairly efficient institutions (50th), relatively good primary (36th) and higher (49th) educational systems, flexible labor markets (35th), and the impressive sophistication (42nd) and capacity for innovation (38th) displayed by its business sector. The country has also made important progress toward macroeconomic stability, improving its ranking significantly from 111th in 2007 to 85th in this area. For a more detailed analysis of Costa Rica's competitiveness performance, see Box 2.

**Mexico**, with a fairly stable score, loses eight positions from last year, and is now placed 60th. The country has made impressive strides toward macroeconomic stability (reflected in a relatively strong 48th position in the macroeconomic stability pillar) and toward opening, liberalizing, and diversifying its economy over the last decade, emerging as the second-largest economy after Brazil and the top FDI destination in the region.<sup>23</sup> Mexico has been able to leverage its privileged

### Box 2: Costa Rica: A Central American success story in competitiveness

Blessed with rich natural resources and long standing political stability, Costa Rica is assessed by the GCI as one of the most competitive economies in Latin America and the Caribbean; at 59th position, it comes in ahead of Mexico (60th) and Brazil (64th), among others. Furthermore, an analysis of Costa Rica's evolution in the rankings over the last three years highlights a remarkable upward trajectory, with a nine-place improvement since 2006.

The unique development strategy followed by the country since its return to democracy in 1948 has allowed it to build up important competitive strengths, thus providing the rest of the region with best practices examples in dimensions as diverse as education, public governance, and product and export diversification.

The importance of good governance standards,<sup>1</sup> as well as high-quality education, are seen as prerequisites for a viable democracy, sustained growth and development. These elements have consistently underpinned the country's policy agenda over the decades. In particular, the early and steady focus on education, with the creation of the first public university in 1940 (the University of Costa Rica) followed by three more in the 1970s, and the establishment of world-class private higher edu-

cation and training and research institutions—such as INCAE, EARTH University, and INBio—equipped the productive system with a relatively large pool of highly qualified professionals.<sup>2</sup>

The policy agenda has placed particular emphasis on diversifying the economy away from commodities toward more value-added products. In this sense, Costa Rica has been particularly successful in nurturing its high-tech sector over the last 15 years, with high-tech exports accounting for 30 percent and 40 percent of total and industrial exports in 2006, respectively, and with a 13 percent rise in the 2001–05 period.<sup>3</sup> The development of the high-tech sector has been boosted by the establishment in Costa Rica of an important group of multinationals in the 1990s, with Intel at the forefront, investing first in a large assembly and testing plant,<sup>4</sup> and later in a software development center. Instrumental in bringing about this development have been the targeted FDI promotion strategy pursued by the national investment promotion agency CINDE, the export fiscal incentives (namely the Export Processing Zone and the Export Contract regimes) adopted in the 1990s in parallel with trade liberalization,<sup>5</sup> and Costa Rica's geographical location and strong transportation logistics. Also critical have been the country's political stability and respect for the rule of the law, coupled

## Box 2: Costa Rica: A Central American success story in competitiveness (*cont'd.*)

with the availability of a relatively low cost and educated labor force with good English language skills.

CINDE targeted high-tech FDI with a view toward diversifying Costa Rica's production structure away from agriculture and unskilled labor-intensive manufacturing (i.e., apparel produced in the *maquiladoras*), in which the country was already losing its competitiveness, to skill-intensive industries. This leveraged the country's educated labor force and ensured a more advantageous position in international markets. FDI was a crucial component of the cluster strategy envisaged by CINDE, since they were to develop backward linkages through the domestic suppliers and foster training and collaboration with national universities.

Another cluster that has been targeted and developed in a similar spirit of promoting higher value added industries is that surrounding the eco-tourism industry. Building on Costa Rica's extraordinary biodiversity (accounting for 5 percent of the world's total biodiversity), natural beauty, and pristine environment, the tourism sector has experienced an impressive dynamism in recent years, representing 6.3 percent of total GDP and 6.5 percent of total employment in 2007. Moreover, with 1.725 million tourist arrivals in 2007, bringing in an average US\$940 in receipts per visitor, Costa Rica leads Central America and displays a more lucrative tourism sector than Mexico, the most-visited country in Latin America (with 21.35 million visitors), for which the average receipt per visitor is only US\$570.<sup>6</sup> It is not by chance that Costa Rica, at 44th, is the second highest ranking country in the LAC region, after Barbados (29th), in the World Economic Forum's Travel & Tourism Competitiveness Index 2008.

The fairly successful economic diversification described above feeds into strong levels of business sophistication (42nd) and innovation (38th), particularly by regional standards. Companies established in Costa Rica are operating quite high on the value chain (34th), with comparative advantages based predominantly on sophisticated products and processes (30th). Further, their innovation capacity is assessed as being fairly high (43rd), thanks to high R&D spending (30th) and wide-ranging research collaboration with academia (33rd). The country gets good marks in the innovation and sophistication factors subindex (39th), the best showing across the three subindexes composing the GCI, which bodes well for the preparedness of Costa Rica's economy to evolve toward a higher, innovation-driven, stage of development.

Furthermore, Costa Rica has made important progress in the macroeconomic aspects of competitiveness, consistently improving its public finances over the last three years: public debt has been brought down from 55.2 percent of GDP in 2005 to 46.6 percent in 2007, while the government budget balance has been turned from a 1.6 percent (of GDP) deficit in 2005 to a 0.6 percent surplus in 2007. This has been facilitated by the strong growth experienced by the country in the last couple of years, but is also indicative of the current government's effective tax administration, with reduced tax evasion and tight control on nonpriority spending.<sup>7</sup>

On a less positive note, inflation continues to be a source of concern at 9.4 percent in 2007, reflecting high oil and food

prices worldwide. Moreover, the poor state of the country's infrastructure (94th) looms as a potential bottleneck for the further modernization and diversification of the economy, as well as for its overall growth prospects. The adoption of fiscal reforms broadening the tax base should therefore be high on the government's agenda in order to free up important resources for investment in infrastructure and social programs, while not increasing the debt burden.

In addition, the long-awaited ratification of the Dominican Republic-Central American Free Trade Agreement (DR-CAFTA) could prompt the politically thorny liberalization of the telecommunications and insurance sectors, traditionally closed to private investors, thus enhancing their efficiency and eliminating important rigidities in the goods market.<sup>8</sup> This should be done in parallel with efforts to reduce red tape and excessive regulation. This area remains a major concern in the country, as reflected by the disappointing marks registered by Costa Rica in aspects such as the number of procedures to start a business (12, corresponding to 103rd position), the time required to start a business (77 days, corresponding to 118th place), and the burden of government regulation (72nd).

By tackling such weaknesses, Costa Rica will further strengthen the foundations of its competitiveness and ensure sustained economic growth and prosperity going forward.

### Notes

- 1 The focus on good governance is reflected in the comparatively good marks the country gets for several aspects of its institutional environment, in particular public ethics (41st), undue influence (34th), and government efficiency (47th). This stands in marked contrast with the performance of other countries in the region.
- 2 In this respect, Costa Rica is ranked 46th for its availability of scientists and engineers, only behind Puerto Rico (12th) and Chile (35th) in the region, and well above countries such as Argentina (81st), Peru (103rd), and Mexico (105th).
- 3 Reyes and Condo 2007.
- 4 Intel has invested a record US\$700 million since 1996 and is currently employing around 3,500 people in the country. The spillovers of Intel's investment in Costa Rica were many and diverse, ranging from a simplification of FDI regulation to creating specialized degrees in national universities and catalyzing further FDI in the country. In this respect, IT companies such as DSC Communications Corp., Remec, Sawtec Inc., Merrimac Industries, and Abbot and Baxter invested in the country, followed by Procter & Gamble, Western Union, and Sykes, which established service centers.
- 5 See Rodríguez-Clare 2001.
- 6 World Travel & Tourism Council, TSA Research 2007.
- 7 IMF 2008a.
- 8 Costa Rica was the last country among the signatories to ratify the DR-CAFTA, thanks to a narrow yes vote (51.6 percent) in a referendum called by President Arias in October 2007. Costa Ricans were bitterly divided on the agreement, because of the clauses imposing the liberalization and opening of the sensitive sectors of telecommunications, financial services, and energy.

geographical position between two oceans as well as between Latin and North America, its impressive network of preferential trade agreements, and its large domestic market of over 100 million people (ranked 12th in the world) to diversify its productive and export structure away from commodities: according to the Economist Intelligence Unit (EIU), 81 percent of Mexico's total exports in 2007 were in manufactures. This is also reflected by the country's fairly good marks for its business sophistication (58th), with reasonably developed clusters (58th), quality local suppliers (46th), and the fact that it has begun producing goods that are higher on the value chain (59th).

On the other hand, a number of important weaknesses continue to hinder Mexico's competitiveness. These include its weak public institutions (97th) and rampant violence (123rd). Also problematic is its inflexible labor market (99th), characterized by burdensome labor regulations and high payroll taxes and social contributions, as well as a higher education and training system (74th) that does not provide the economy with the appropriate pool of skilled labor, notably scientists and engineers (105th). In addition, the goods market suffers from inadequate (foreign and domestic) competition, with overregulated and closed key economic sectors such as telecommunications and energy. The current administration has managed to pass some bills aimed at addressing some of these concerns, including reforms in the pension, fiscal, electoral, and criminal justice systems and in the energy sector. However, further action is required to continue liberalizing markets, upgrade the educational system, and improve public governance in the country.

**Brazil**, at 64th place, posts a remarkable eight-position improvement, partially closing the competitiveness gap with Mexico. The country has continued to move in the direction of sounder public finances and has seen improvements in many of the areas assessed by the Index. In particular, government debt has been significantly reduced from last year (from 65.5 percent of GDP to 47 percent). Brazil's main competitive advantages include the large size of the market available to its firms (10th out of 134 economies), access to one of the most sophisticated financial markets in the region (64th), a dexterity in absorbing and adapting technology from abroad and leveraging ICT (56th in the technological readiness pillar), and especially the remarkable degree of sophistication displayed by its business sector (35th), together with a prowess for generating innovation (43rd). The latter two elements are reflected in the rapid internationalization of a number of Brazilian large enterprises that have become global players in the international markets, also massively investing abroad. In this sense, Brazil in 2006 was a net source of FDI, whereby the outward flows amounted to US\$26 billion vis-à-vis US\$18 billion of inflows.<sup>24</sup>

Despite these encouraging trends, Brazil still faces important challenges in view of improving its competitiveness further. These include the still high debt levels (even after the reduction mentioned above), contributing to a low national savings rate and high interest rates, and a worrisome 122nd position in the macroeconomic stability pillar. There is also a general distrust of public institutions among the business community (98th), with weak public ethics (121st) and government inefficiencies (124th) as well as serious concerns regarding the security situation in the country (103rd). Educational standards also require upgrading (presently ranked 85th for primary education and 58th for higher education and training), with high dropout rates and large regional disparities in terms of attainment and quality. Last but not least, goods (101st) and labor (91st) markets are hampered by overregulation and important rigidities, which contribute to shifting a significant amount of activity and labor to the informal sector. Improvements in these structural and microeconomic weaknesses will better prepare Brazil to unleash its full competitive potential.

**Peru** is up three places to 83rd. This confirms the notable progress toward macroeconomic stability, based on a competent monetary and fiscal policy as well as goods and labor market liberalization, made by the country in recent years. Indeed, Peru has posted an important improvement since last year in the macroeconomic stability pillar (from 78th to 67th), due to increasing public surpluses (from 2.1 percent to 3.1 percent of GDP) and the related lowering of public debt (from 32.7 percent in 2006 to 29.2 percent of GDP in 2007). Peru has also seen improvements in the two pillars capturing goods and labor market efficiency (from 67th to 61st and from 87th to 75th, respectively). The country also continues to benefit from other competitive strengths, such as the reasonable size of its both foreign and domestic market (50th), and its fairly developed financial market (45th). Coupled with the high growth rates realized by the country in recent years,<sup>25</sup> as well as the investment grade status achieved in April 2008 for its foreign currency debt, the overall picture bodes well for Peru's competitiveness prospects. Going forward, a number of weaknesses will need to be addressed, including the poor quality of the country's institutional environment (101st), its underdeveloped infrastructure system (110th), and the inadequate state of health and primary education (95th) and higher education and training programs (89th). On a related note, poverty levels in Peru remain critical, despite the current administration's efforts to increase social expenditure and public investments in infrastructure.

Notwithstanding its strong recovery after the deep economic crisis of 2001, with high growth rates since 2003,<sup>26</sup> **Argentina** continues to place quite low in the rankings at 88th position, with an assessment similar to last year. The country has a number of important competitive advantages, including its relatively well educated

labor force (ranked 61st and 56th, respectively, on the health and primary education, and higher education and training pillars) and the large market size available to its enterprises (24th). However, the economy is characterized by some serious weaknesses, representing enduring elements of vulnerability going into the future. For example, despite debt restructuring, the public debt remains high, estimated at 56.1 percent of GDP in 2007 (placing the country 97th on this indicator); this, combined with continuing high inflation, may undermine the steps taken toward macroeconomic stability.

On a related note, the GCI highlights a deep distrust on the part of the business community regarding the quality and efficiency of the country's public institutions (128th), the respect and enforcement of the rule of law, and the even-handedness of the public sector in its relations with the private sector. This is likely linked to the government's tendency over recent years to adopt discretionary policies (such as the attempt to increase taxes on agricultural exports), coupled with the ongoing renegotiation of a number of utility provision contracts since 2001, eroding business confidence. Indeed, this tendency can also be seen in the country's overregulated and rigid goods (122nd), labor (130th), and financial (117th) markets, which are impeded from allocating resources to their most effective use. In this context, the most pressing challenges will be the institutionalization of sound fiscal policies and the restoration of investors' trust in the business climate and proper functioning of the economy.

**Venezuela**, at 105th place, continues to fall in the rankings, a trend seen over the past several years. This year the country has fallen seven more places despite some marginal improvements in its health and primary education standards and in the quality of the higher education and training system. This is due in large part to the fact that, despite windfall oil revenues, the macroeconomic environment continues to deteriorate: expansionary fiscal policies and discretionary administrative measures have led to increasing levels of public indebtedness and rampant and increasing inflation (ranked 132nd).

Related to the poor fiscal and monetary management, as last year, Venezuela ranks last out of all countries for the perceived quality of its institutions, reflecting the business sector's enduring concerns about the weak rule of law, government inefficiencies, and the government's lack of evenhandedness in its dealings with the private sector. There has been an increase in red tape, and goods, labor, and financial markets are not able to effectively allocate resources in the economy, with goods (132nd) and labor (131st) markets in particular assessed as among the least efficient in the world. Structural reforms are clearly needed to address the growing distortions in the economy and the high vulnerability to changes in oil prices. Competitiveness would also be improved if the increased public spending on health and

education were better targeted. Perhaps most important would be actions to restore investors' confidence in the business environment and the rule of law in the country.

**Suriname** (103rd), **Ecuador** (104th), **Bolivia** (118th), **Nicaragua** (120th), and **Paraguay** (124th) continue to figure at the bottom of the GCI rankings, displaying similar weaknesses in their poor institutional environments and lack of respect for the rule of law, excessive red tape and overregulated markets, underdeveloped infrastructure and inefficient educational systems.

## Asia

The competitive performances of Asia-Pacific economies continue to encompass the entire gamut, from highly competitive countries to the most challenged. Singapore, Hong Kong (11th), and Australia (18th) continued their ascent in the rankings while Japan, Korea (13th), and Taiwan (17th) dipped in their positions. Nine Asia-Pacific countries are among the top 30, led by Singapore and followed by Japan, Korea, Hong Kong, Taiwan, Australia, Malaysia (21st), New Zealand (24th)—and this year China enters the top 30, displacing Thailand (34th). Other members of the next tier include new entrant Brunei (39th) as well as India (50th), Indonesia (55th), Vietnam (70th), the Philippines (71st), and Sri Lanka (77th). Pakistan (101st) declined in the rankings to join those countries ranked 100 and below, which include Mongolia (100th), Bangladesh (111th), Cambodia (109th), Nepal (126th), and Timor-Leste (129th).

**Hong Kong SAR**, at 11th place, leads the world in financial market sophistication and also benefits from very efficient goods markets and a high level of macroeconomic stability. With regard to financial markets, Hong Kong is ranked 1st for its legal rights, capital flows, and access to financing through the local equity market. And Hong Kong's goods markets are characterized by openness to foreign ownership, extremely low tariffs, and low trade barriers (ranked 1st in these indicators). The country ranks 3rd for its macroeconomic stability, due to its excellent fiscal management which has resulted in a notably low level of government debt, and an improving macroeconomic environment more generally.

On the other hand, Hong Kong's competitive disadvantages stem primarily from its small domestic market size and its mixed performance in the areas of health and primary education as well as higher education and training. On health, although life expectancy in the country is among the highest in the world, there are some concerns related to high rates of diseases such as tuberculosis (ranked 79th) and malaria (ranked 66th). And attainment rates remain quite low at all levels of the educational ladder, with primary, secondary, and tertiary enrollment rates so low as to place Hong Kong 101st, 72nd, and 63rd, respectively.

**Korea**, at 13th place, derives its strong position from attributes such as its macroeconomic stability and a very innovative business sector. Korea's macroeconomic

environment is characterized by government budget surpluses, which have led to the reduction of the public debt, a high national savings rate, and a very low interest rate spread (ranked 3rd on this indicator). The country is also highly innovative, with high company spending on R&D and a strong government focus on procuring advanced technology products (ranked 2nd), which have contributed to the country becoming one of the most innovative in the world (ranked 7th for utility patents). Korea's competitiveness would be strengthened further by addressing a number of weaknesses, most notably inefficiencies in its financial and labor markets.

**Taiwan, China**, at 17th place, down three places from last year, draws its greatest competitive strengths from its education sector and related business innovation. With regard to education, Taiwan has high enrollment rates at all levels, and the educational system gets good marks for quality (although the quality rating is weaker than in past years). In addition, companies provide a high level of continuing on-the-job training, ensuring that the workforce can adapt to the rapidly changing economy. Related to innovation, Taiwan has a large pool of scientists and engineers, and it benefits from high company spending on R&D and strong collaboration between research institutes and the business sector in innovation. All of this has come together to place Taiwan 1st worldwide in terms of the patenting per capita of new inventions.

On the other hand, Taiwan's financial markets represent a comparative weakness, with concerns about the soundness of banks (ranked 117th) and the restriction of capital flows (78th). Similarly, public institutions could be further strengthened. The drop of three places in the rankings is due in large part to a deterioration of various aspects of the institutional environment, with relatively low public trust in politicians, some concerns about a lack of judicial independence, and increasing complaints about the regulatory burden faced by companies operating in the economy.

**Australia**, at 18th place, draws its strongest competitive advantages from the excellent functioning of its goods, labor, and financial markets. In terms of financial market sophistication, the country ranks 3rd for the regulation of its securities exchanges and for legal rights, and 4th for the soundness of its banks. Australia's goods markets are characterized by the ease of starting a business: the number of procedures and the time required to start a business are both ranked 1st internationally. And labor markets are very flexible, characterized by significant ease in hiring and firing employees and a lack of nepotism in the business sector by international standards. Australia also has very strong private institutions, ranked 2nd for the efficacy of its corporate boards and 3rd for the strength of auditing and reporting standards in the country. Higher education and training is also an area of strength, with high enrollment rates at all levels, and

very good marks for the quality of the educational system (ranked 9th).

**Malaysia**, at 21st place, also benefits from the excellent functioning of its goods, labor, and especially financial markets. Labor markets are well evaluated for their efficiency (19th), with a strong relationship between productivity and pay (6th) as well as good cooperation in labor-employer relations (13th). Goods markets are assessed as efficient (23rd) with strong competition and business-friendly taxation. The financial market continues to perform well, clearly well recovered from the 1998 financial crisis, and is ranked 16th internationally for its sophistication, with a sound banking sector and a relative ease of access to various forms of finance for business development. Other strengths include the quality of the country's transport infrastructure and its strong business sophistication and innovative potential, which have contributed greatly to the country's growth over recent years.

On the other hand, efforts should be made in the area of education, where attainment rates at the secondary level remain low; and also in addressing the relatively poor health of the workforce. Finally, greater fiscal discipline would better ensure sustainable macroeconomic stability going into the future, with repeated government deficits (ranked 109th) to build up substantial government debt over the years.

**New Zealand**, at 24th place, benefits from the excellent health of its workforce as well as the high quality and quantity of education provided. The country also has transparent and well-functioning institutions—it is ranked 1st for its judicial independence, for example, and has very strong private institutions (ranked 3rd for the efficacy of corporate boards and 4th for the protection of minority shareholder interests). New Zealand's financial, goods, and labor markets are also highly efficient, with excellent investor protection and legal rights, low agricultural policy costs (ranked 1st on this indicator), few obstacles to starting a business, and very low trade barriers. The country's competitiveness would be enhanced by upgrading infrastructure, especially roads and the electricity supply.

**China** enters the top 30 this year, up four places from last year. The country benefits greatly from its large and rapidly growing foreign and domestic market size (ranked 1st and 2nd, respectively), allowing for significant economies of scale. Macroeconomic stability also remains a source of competitive advantage, with the government budget moving into surplus, and manageable debt levels, although rising inflation has become an area of concern, as in many other countries. Innovation is becoming another competitive advantage, with rising company spending on R&D coupled with strong university-industry research collaboration, and an increasing rate of patenting.

China's key competitive weakness is related to its financial market (109th), with restricted capital flows

(ranked 121st), inadequate regulation of securities exchanges (ranked 109th), and concerns about the soundness of the banking sector (ranked 108th). Related to these weaknesses is the need to strengthen private institutions (ranked 77th), with insufficient protection of minority shareholders' interests (ranked 94th), inefficient corporate boards (90th), and weak accounting and auditing standards (86th). And, given the increasing importance of innovation for the country's competitiveness, improving higher education and training should be a priority to address the low enrollment rates at the secondary and tertiary levels, and to upgrade the quality of the educational system more generally. See Box 3 for more details about China's competitive performance.

**Thailand**, ranked 34th, has fallen six places since last year. The country derives certain competitive strengths from its market size as well as the efficiency of its labor market (ranked 13th), the result of strong cooperation in labor-employer relations (ranked 17th) and low non-wage labor costs (ranked 20th), for example. The country's infrastructure is also very good, particularly roads and air transport. But the country lags in technological readiness (66th), with low penetration rates for Internet use, broadband, and mobile telephones in particular. The

health of Thailand's workforce is another area of concern (ranked 76th), with high rates of HIV, tuberculosis, and malaria (ranked 108th, 96th, and 93rd, respectively). Some aspects of the financial market also require attention, especially concerns about the soundness of the banking sector. Given the political turmoil experienced over the past year, it is notable that the decline in the overall ranking this year can be traced in part to a weakening assessment of government institutions, with increasing concerns about the transparency of policy-making and public-sector efficiency more generally.

**Brunei Darussalam** enters the rankings for the first time this year at 39th place, buoyed by its strong macroeconomic stability, where it ranks 2nd internationally, thanks to its high government surplus and the complete absence of public debt. However, important competitive disadvantages abound, particularly regarding the sophistication of business operations and strategy (ranked 97th) as well as innovation and goods market efficiency (ranked 91st in both pillars).

**India**, at 50th place, derives substantial advantages not only from its market size (ranked 4th for its domestic market size and 5th for its foreign market size) but also from its strong business sophistication (ranked 27th)

### Box 3: China: An emerging giant in global competitiveness

With annual average growth rates of 9.7 percent since the late 1970s, China has made impressive strides in developing and diversifying its economy, as well as in reducing poverty and improving standards of living for its population.<sup>1</sup> Its enormous GDP, estimated at US\$3.3 trillion in 2007,<sup>2</sup> makes China one of the largest economies in the world, behind only the United States, Japan, and Germany, and an increasingly key player in the global economy. The size of the (domestic and export) market available to the companies established in its territory is second only to that of the United States globally, allowing extraordinary economies of scale and efficiency gains.

China ranks 30th in the Global Competitiveness Index (GCI) 2008–2009, up four positions from last year, entering the group of the 30 most competitive nations in the world, and well ahead the other three BRIC economies of India (50th), Russia (51st), and Brazil (64th).

This remarkable showing should not deemphasize the enormous challenges that face China in maintaining its competitiveness, in view of sustaining its rapid growth and moving up the value chain. As wealth is created, wages rise inexorably. Productivity must increase in line with rising prices and wages, as well the added value, quality, and diversity of the national production system. Practically, this means two things for China. First, the country must bolster the basic foundations of its competitiveness, namely the quality of its institutions, infrastructure, public health, and primary education, which are still very much

lagging behind international norms, while maintaining sound macroeconomic management. Further, it needs to improve its efficiency-enhancing factors, notably the quality of higher education and its capacity to leverage information and communication technologies (ICT) and other technologies coming from abroad, as well as the efficiency of the goods, labor, and financial markets.<sup>3</sup>

Starting from the basic requirements of competitiveness, the quality of the institutional environment appears to be improving in the country, as reflected by an encouraging 21-place improvement in the institutions pillar since 2007. Although business executives in China estimate that there has been a strengthening in property rights and intellectual property protection, as well as public ethics and government efficiency, the overall rank of 56 points to the need for further progress. In particular, the quality of private institutions remains a concern, notwithstanding a dramatic 41-position improvement (from 101st in 2007 to 60th this year). The assessments of the country's auditing and reporting standards (86th), the efficacy of corporate boards (90th), and the protection of minority shareholders (94th) indicate significant room for improvement.

China's macroeconomic environment remains fairly favorable, despite the recent trend of rising inflation (4.5 percent in 2007, up from 1.50 percent in 2006), due in large part to increasing food and commodity prices. The other macro indicators point in the right direction. In 2007, the government budget

*(Cont'd.)*



**Box 3: China: An emerging giant in global competitiveness (cont'd.)**

balance was back in the black with a surplus equivalent to 0.7 percent of GDP, compared with a deficit of 1.2 percent the previous year. The national savings rate reached a staggering 52 percent of GDP in 2007 and the interest rate spread is narrowing, while government debt is down to a low 18 percent of GDP. Sound public finances should provide the country with the resources needed to improve social services and to address social and geographical inequalities. Indeed, China faces the challenges of its economically lagging western and northeastern regions and of widespread absolute poverty, with approximately 128 million people living on less than a dollar per day, often without access to clean water or sufficient education and health services;<sup>4</sup> this is reflected in the rather poor showing in the health subpillar (73rd).

In terms of efficiency enhancers, China presents some serious shortcomings, notably in the financial sector, ranked a dismal 109th this year. Efficiency and trustworthiness still lag behind in this area, with heavy restrictions placed on capital flows (121st) and inefficient and opaque stock exchange regulations (109th). The soundness of banks is assessed equally poorly, at 108th. Moreover, the country ranks 93rd for the extent to which borrowers' and lenders' rights are protected by law, as measured by the World Bank's Legal Rights Index. However, there are several encouraging signs. First, the government is aware of these issues and is taking major steps to tackle the problems, with some success as evidenced by the fact that the country is improving in eight of the nine indicators composing the pillar. Second, Chinese stock markets are large and active, based on a tremendous interest from national and international investors alike. It is expected that this will persuade the authorities of the need for more profound reforms.<sup>5</sup> Finally, if access to stock markets remains problematic, private equity and venture capital, as alternative sources of financing, are expanding rapidly, as indicated by China's 22-position leap to 49th place for venture capital availability.<sup>6</sup> Liberalizing, opening, and deepening financial markets should remain an absolute priority, in view of avoiding a potential bottleneck to China's further development.

Another area of weaknesses, although less severe, is China's level of technological readiness. This is critical for China's competitiveness given its present stage of development. ICT, in particular, enhances productivity through facilitating better production processes, and improves the efficiency of markets and resource allocation, thereby enhancing productivity. In addition, ICT has been shown to bring about important spillovers, notably for reducing poverty and social inequality. China lags behind its fellow BRIC countries in the technological readiness pillar, at a disappointing 77th place. The country ranks 83rd for availability of the latest technology, while foreign investment also is not viewed as an important source of new technology (79th). On a more positive note, Chinese firms seem to be relatively adept at adopting the technologies once they become available (46th). In terms of ICT infrastructure, penetration rates remain low by international standards, rendered more difficult by the large size of the Chinese population and land area. It is therefore encouraging that the government has placed ICT penetration high on its agenda of reforms through

various initiatives such as the Golden Projects for E-government.<sup>7</sup>

Domestic and foreign competition, despite some progress, is in need of further liberalization in order to improve goods market efficiency. Creating a business in China remains very burdensome and time consuming, and the effective total tax rate represents a staggering 74 percent of corporate profits, one of the highest rates in the world (120th). Trade barriers are also significant, with the effective trade-weighted tariff rate on imports at over 14 percent, placing China in 122nd position on this indicator. In addition, the labor market remains inflexible, with costly firing procedures (108th), and non-wage labor costs as high as 44 percent of an employee's salary, placing China 126th.

The general portrait of China's competitiveness as depicted by this year's GCI results is largely positive, with most indicators moving in the right direction. Nevertheless, it will become increasingly challenging to sustain its competitiveness. China is reaching a critical point in its development, when it can no longer rely solely on the abundance of low-cost inputs to sustain growth. At home, a growing middle class is becoming ever more discriminating, while international companies continue to shop around for the best cost-to-productivity ratio in deciding where to locate activities. For the time being, many factors—including the size of its market, increasing domestic demand, and numerous reforms—place China in a strong position to maintain its vigorous growth and navigate the troubled global economic landscape.

**Notes**

- 1 According to the World Bank (World Bank 2007), China alone has been responsible for 75 percent of poverty reduction in the developing world over the last two decades.
- 2 IMF 2008c.
- 3 In the Global Competitiveness Index, this reality is captured through the concept of stages of development: the importance of each determinant of competitiveness shifts as a country moves up along the value chain. See text for details. In 2005, China was still in the most basic, factor-driven, stage of development (GDP per capita inferior to US\$2,000). China has since entered a transition phase toward the second, efficiency-driven, stage (GDP per capita between US\$3,000 and US\$9,000), which, according to the IMF, China will reach by 2009.
- 4 World Bank 2008.
- 5 For instance, in May 2008, the total daily trading volume of the two main Chinese stock markets (Shanghai and Shenzhen) amounted to a record US\$41 billion, more than all the other Asian markets combined. See IASC 2008. Also, the value of Chinese initial public offerings reached US\$62.1 million in 2007, a world record. See World Bank 2008a.
- 6 According to a recent report by Deloitte (2007), China has become the primary target of American venture capitalists.
- 7 For more information, see World Bank 2007. For a detailed assessment of technological readiness across nations, see World Economic Forum 2008.

and innovation (ranked 32nd). The country is endowed with strong business clusters and many local suppliers, and ranks an impressive 3rd for the availability of scientists and engineers and 27th for the quality of its research institutions.

However, India's overall competitive position is weakened by its macroeconomic instability (109th) with the government running one of the highest deficits in the world (ranked 127th), unsustainable levels of government debt (ranked 113th), and fairly high inflation. Health and primary education is another area of concern, with poor health indicators (ranked 105th for both infant mortality and life expectancy), related to the high prevalence of diseases such as tuberculosis and malaria. Educational enrollment rates also remain low at all levels, with the primary educational system in particular getting poor marks for quality. Certain labor market efficiency indicators are also poor, including female participation in the labor force (ranked 122nd) and the facility with which firms can hire and fire employees (ranked 104th).

**Indonesia**, at 55th place, enjoys competitive advantage in selected areas, such as labor market efficiency, ranking 18th in pay and productivity and 19th in both cooperation in labor-employer relations and hiring and firing practices. In contrast, the country's main competitive weaknesses lie in the areas of technological readiness, infrastructure, and the quality of public institutions. With regard to technological readiness, Indonesia's penetration rates of ICT remain low (ranked 107th for Internet users, 105th for personal computers, and 100th for both mobile telephone subscribers and broadband Internet subscribers). The country's infrastructure also requires upgrading, with poor ratings for the quality of roads (ranked 105th) and ports (ranked 104th). Public institutions would also benefit from greater efficiency, with low rankings for the transparency of government policymaking (121st), the protection of property rights (ranked 117th), and intellectual property protection (102nd).

**Kazakhstan** is ranked 66th in this year's GCI, the highest ranked country in central Asia. Kazakhstan gets excellent marks for its labor market efficiency, which is ranked 12th worldwide, with high levels of flexibility in the hiring and firing process and in determining wages. Moreover, boosted by the country's natural resource wealth, it benefits from a number of macroeconomic strengths, including a balanced budget and a very low debt-to-GDP ratio. However, rising inflation, which has reached double digits, raises some cause for concern, placing the country 121st on this indicator. In addition, more will have to be done in Kazakhstan to improve the institutional environment. Particular attention should be focused on addressing weaknesses related to the quality of its institutions, notably judicial independence, the protection of property rights, government inefficiency, public trust of politicians, and security. A focus on

improving the health of the workforce and the quality of the educational system, and placing a greater focus on technological adoption, will also be important in the country's efforts to improve its competitiveness.

**Vietnam**, at 70th place, enjoys specific key advantages in various areas, particularly related to its relatively large market size and the functioning of its labor market, with strong female participation in the labor force (ranked 10th) and a strong relationship between pay and productivity in the economy (ranked 17th). But the country's overall competitive position is eroded by weaknesses in the quality of infrastructure and institutions, as well as in higher education and training. Vietnam's infrastructure gets a poor rating overall (93rd), especially with regard to roads and port facilities. In terms of the quality of its institutions, Vietnam suffers from burdensome government regulation and weak auditing and reporting standards, where it is ranked 105th and 106th, respectively. And given the increasing importance of innovation for the country's competitiveness, its low university enrollment rate (placing the country 106th) and the poor assessment of the quality of its educational system (ranked 120th) require urgent attention.

The **Philippines**, at 71st place, benefits from its relatively large market size (ranked 34th). In addition, the country has seen an improvement in its macroeconomic stability since last year, with a shrinking government budget deficit and lower public debt. On the other hand, the main obstacles to greater competitiveness are related to the quality of the country's public institutions and a lack of efficiency in its labor market. The institutional environment is characterized by the perception that government spending is highly wasteful (ranked 120th), a lack of evenhandedness in the government's dealings with the private sector (117th), and general concerns about corruption in the public sphere. In addition, the threat of terrorism imposes significant costs on businesses in the country (ranked 125th). With regard to labor market inefficiencies, wages are not flexibly determined by companies (108th), regulations impede firms from freely hiring and firing workers (101st), and firing costs are excessive (ranked 108th), all of which hinders job creation.

**Sri Lanka**, at 77th place, has fallen seven places since last year. The country suffers from macroeconomic instability, ranked a low 132nd on this pillar, with the government running budget deficits that are among the highest in the world (ranked 130th), leading to the buildup of high levels of public debt (nearly 84 percent of GDP, placing the country 118th on this indicator). In addition, lax monetary policy has produced the second to highest inflation rate of all countries covered bar Zimbabwe. Another area requiring urgent attention is Sri Lanka's labor market, which lacks flexibility and efficiency (ranked 115th overall), and is characterized by

high firing costs, low female participation in the labor force, and a very high total tax rate.

**Pakistan**, at 101st place, benefits from its large market size (ranked 29th overall). However, a number of competitive weaknesses are hindering its ability to fully benefit from the potential economies of scale, mainly related to the human resources base. Specifically, Pakistan's rankings are low in the pillars measuring health and primary education (116th), higher education and training (123rd), labor market efficiency (121st), and technological readiness (100th). In addition, there has also been a measurable weakening over the past year in the perceived quality of public institutions.

**Cambodia** at 109th, **Bangladesh** at 111th, **Nepal** at 126th, and **Timor-Leste** at 129th constitute the least competitive economies in the region. Many of the disadvantages are common to these countries, but there are variations in the degrees of weakness. For example, in Cambodia, competitive disadvantages manifest in the financial market (130th) and higher education and training (127th) pillars. In Bangladesh, weaknesses are most concentrated in institutions (127th) and technological readiness (126th) pillars. More generally, in order to improve their economic prospects, these countries need to make efforts across all areas, particularly those important for countries at the more basic stage of development.

### Middle East and North Africa

Record oil prices coupled with sound policies over the past few years have buoyed economic growth across the Middle East and North Africa region. Business environment reforms, investment in infrastructure, and targeted diversification are now paying off in many countries through higher competitiveness rankings. The rising energy prices have benefited not only the hydrocarbon exporters, but have also generated spillover effects throughout the entire region through increasing intra-regional FDI.<sup>27</sup> However, while the Gulf economies tend to improve in the rankings this year, all North African countries and Israel lose positions.

As in previous years, **Israel**, at 23rd position, leads the regional ranking, despite a drop of six places since last year. The most significant area of weakening is linked to the country's public institutions, with increasing concerns about the protection of property rights (49th), inefficient government spending (60th), and a deteriorating public trust in politicians (61st), perhaps related to last year's conflict with the Lebanese Hezbollah as well as corruption allegations against the country's leading politicians over the past year.<sup>28</sup>

Yet despite this more critical assessment of economic and political institutions, the country's well-developed human and institutional infrastructure for innovation, in particular at the early stage, as well as its widespread adoption of the latest technologies, continue to contribute to Israel's strong competitiveness and productive potential. Israel ranks 6th in terms of overall innovative

capacity, with excellent national research institutes (3rd) and the government taking a proactive role in procuring high-tech products. The success of the resulting research activity is reflected in the high rate of patenting per capita (5th) registered by Israeli residents. The well-developed financial markets play a key role in supporting the process of turning ideas into marketable products through facilitated access to venture capital (8th) and equity finance (14th).

The competitiveness of most **Gulf countries** covered by the GCI shows a robust upward trend. The most competitive among them, **Qatar**, 26th overall, has moved up by five places since last year, buoyed by the country's consistently well assessed institutions, but also by advances in the functioning of financial markets, as well as enhanced innovative capacity. The educational system has also received a better assessment than in previous years, possibly reflecting a signaling effect of the graduation of the first class from the Qatar Education City in early 2008, where many American universities have set up regional schools over the past few years.

Yet despite progress made in ensuring high-quality education, tertiary enrollment remains low given the country's advanced stage of development, and the economy remains characterized by a very low participation rate of women in the labor force. Another threat that could put Qatar's future competitiveness at risk is rising inflation, partly imported through the dollar peg and partly mirroring the economic boom on the peninsula as well as rising food prices. Inflation reached almost 14 percent in 2007, placing Qatar 129th out of 134 countries on this indicator.

Qatar is followed by **Saudi Arabia**, a country that has experienced a robust improvement by eight positions to place 27th this year, mirroring the government's determination to improve its performance on a number of competitiveness indicators under the ambitious 10x10 program (see Box 4 for more details on Saudi Arabia's competitive performance).

The **United Arab Emirates** confirms its position as one of the most competitive economies in the region, moving up by six positions to 31st place. Overall, the country improves its ranking across all pillars of the GCI, with a more stable macroeconomic environment and a better assessment of the educational system (at the basic and the advanced levels) as the main driving forces behind the significant improvement in the overall ranking.

The country's institutional environment remains, as in previous years, a competitive advantage, characterized by a low regulatory burden (5th), high public trust in politicians (8th), and reliable police services. Since the last edition of the *Report*, the macroeconomic environment in the Emirates has improved significantly to 24th place, with a narrowing interest rate spread testifying to a more efficient financial system. On the negative side, the country has one of the highest inflation rates in the world, ranked 123rd in international comparison. The

sources for increasing prices are to be seen in rising demand from investment projects and a quickly growing population of expatriates, as well as supply-side bottlenecks along with rising prices of imported goods, and in the dollar peg of the national currency.<sup>29</sup>

The country's efforts to expand access to higher education through the creation of state universities, while also encouraging foreign and domestic private investment

in the sector, helped move the Emirates toward becoming a regional hub for higher education. Yet the share of young Emiratis attending higher-education institutions remains low by international standards, positioning the country at 79th overall. On the other hand, despite fairly low enrollment rates, the quality of education is improving in the eyes of the business sector, with the Emirates now ranking 33rd on this indicator.

#### Box 4: Saudi Arabia: Unleashing its competitive potential

In 2004, Saudi Arabia embarked on a visionary program aimed at turning the country into one of the most competitive economies worldwide by 2010, as measured by the three main indexes assessing the competitiveness of nations,<sup>1</sup> including the GCI. The framework, put into practice by the Saudi Arabian General Investment Authority and the newly created National Competitiveness Centre, encompasses reforms and investment that aim at diversifying the economy into industries where the country has comparative advantages in order to create 1.3 million jobs.<sup>2</sup> Major reforms in the areas of the investment climate, education, health, the financial sector, and the judiciary are envisaged or being implemented.

The progress made is reflected in this year's GCI, where Saudi Arabia moves up eight ranks from last year, placing 27th out of 134 countries. The most notable advances have been achieved with respect to the institutional framework for doing business, where the country moved from 41st to 34th, and the efficiency of goods markets, where it improved by 17 ranks, up from 51st to 34th. These results mirror recent reforms such as the greater ease of setting up new businesses and the overhaul of the judiciary, which has been initiated.

Yet despite those improvements, and alongside many competitive advantages—such as the stable macroeconomic environment, a solid institutional framework, and the large market size that allows for exploiting economies of scale—Saudi Arabia's assessment in the GCI points to important challenges that will have to be addressed if the country wants to move up the development ladder. In light of its ambitious goals, the question inevitably arises as to which are the most important remaining challenges to improving competitiveness. Three emerge from the analysis of the GCI results: a fairly weak educational system that prepares graduates insufficiently for jobs in the private sector, low levels of foreign competition, and underdeveloped financial markets.

Its low educational attainment has been Saudi Arabia's Achilles' heel for a long time. Aware of this weakness, the government has made impressive strides over the past decades toward increasing enrollment rates at all levels. Tertiary enrollment, for example, has tripled over the past 20 years.<sup>3</sup> However, the quality of education in the country did not keep up with this development and remains weak by international standards. Business leaders' appraisal of the suitability of national education for a competitive economy is low, ranking only 70th. In par-

ticular, math and science education and management training are not considered adequate, ranked 85th and 75th, respectively. In addition, when asked to name the most problematic factors for doing business, Saudi business leaders point to an inadequately educated workforce as the most important factor, obtaining 15.7 percent of the responses. Restrictive labor regulations and poor work ethic of the national labor force are also mentioned among the important aspects, receiving 14.5 and 8.3 percent of the responses, respectively.

Improving the quality of education will therefore be crucial toward both resolving the employment shortage looming on the horizon and removing constraints to private-sector growth. Changing demographics are putting increasing pressure on labor markets, and the problem is likely to be exacerbated in the future. To date, over 80 percent of the native workforce have been absorbed by the public sector while the private sector mainly relies on migrant labor.<sup>4</sup> Yet, with rising numbers of young Saudis entering the workforce every year,<sup>5</sup> only a very dynamic private sector will be able to create sufficient jobs, and higher private-sector employment in turn necessitates a better alignment of educational content with the needs of the business sector. Upgrading the quality of education in Saudi Arabia is set to be a lengthy process, as it will require a thorough overhaul of the curricula and setting up more powerful incentive schemes for both teachers and students.<sup>6</sup> The nexus of a fairly weak educational system, labor markets that rely on migrant labor and rapid population growth remains one of the most important challenges facing the Saudi society today, and addressing it will be crucial for ensuring social cohesion and securing current levels of prosperity for future generations.<sup>7</sup>

Despite WTO accession in 2005 and the increasing inflows of FDI, local business leaders consider Saudi Arabia to be fairly sheltered from foreign competition, as captured by the 82nd rank on the foreign competition component of the GCI. Barriers to trade remain fairly high, ranked 71st, with higher tariffs for agricultural products.<sup>8</sup> At the same time, the country is considered to be fairly difficult to enter for foreign investors because of investor-unfriendly regulations: Saudi Arabia ranks a low 92nd in the corresponding variable, and 114th on the prevalence of foreign ownership. Despite efforts to attract investment into key industries, many sectors remain sheltered from foreign engagement, and transparency in the corporate sector is not widespread. Further lowering barriers to entry for foreign

(Cont'd.)

#### Box 4: Saudi Arabia: Unleashing its competitive potential (cont'd.)

goods, services, and capital would intensify competition in the country, thereby raising the efficiency of the domestic economy.

Saudi Arabia's financial sector has been undergoing a major overhaul since 2002. The competition among banks was intensified by allowing foreign banks to set up branches in the country, legal gaps are being filled, and regulation has been reformed—in particular for capital markets and Islamic finance. In addition, greater transparency requirements for banks have strengthened bank supervision. Nevertheless, business leaders are assessing the financial sector as insufficiently meeting the needs of a competitive economy. Although credit and other forms of finance, such as venture capital, are fairly easily accessible, the overall level of sophistication is assessed low by international standards (63rd). In this respect, the poor assessment of the trustworthiness of the financial system, positioning at a low 98th rank, is noteworthy. Within this category, the legal system obtains low marks for its ability to protect investors (93rd). This is certainly a reflection of the fact that, until recently, the Saudi judicial system was ill adapted to protect commercial interests. The situation is set to improve in the wake of the recent judicial reform. In addition, despite progress made in the regulation of securities exchanges, business leaders assess its quality, ranked 88th, as not sufficient. Although new regulatory standards have been recently introduced, the implementation of these laws is lagging behind. The gradual opening of the Saudi stock market to foreigners may provide additional pressure for more transparency and a more consistent implementation of existing regulations.

#### Notes

- 1 In addition to the GCI, these measures include the *Doing Business* report of the World Bank and the *World Competitiveness Yearbook* published by IMD.
- 2 The reform program includes the construction of six so-called *economic cities* set up as special economic zones throughout the country that will provide modern infrastructure and a business environment free of red tape. These cities should also ensure equitable development in all regions.
- 3 Despite great progress achieved, Saudi Arabia's current ranking in terms of enrollment in tertiary education remains fairly low by international standards (70th).
- 4 World Bank 2008b.
- 5 According to ILO data (ILO 2008), about 515,000 people are entering the workforce in the first decade of the new millennium, as opposed to about 415,000 in the 1990s and about 635,000 in the 2020s.
- 6 Saudi Arabia has one of the highest education expenditure-to-GDP ratios in the world, and a high teacher-to-pupil ratio. For more information on the challenges the Saudi educational system is facing, see World Bank 2008b.
- 7 Related to this challenge is the enormous untapped opportunity of increasing women's participation in the labor force (Saudi Arabia ranks 134th on this variable).
- 8 WTO 2008.

The positive developments in innovation, technological readiness, and business sophistication bode well for the country's future and reflect the business leaders' optimism about the prospects going forward. The use and penetration of ICTs and other advanced technologies are widespread and are increasingly catching up with the rest of the world, allowing the country to move up in the rankings to 28th position in this area. Yet, although the country's firms are producing goods and services increasingly high on the value chain and are engaging more in marketing and distribution (21st and 38th rank, respectively), businesses still do not rely sufficiently on professional management (52nd). At the same time, the fairly low quality of research institutions (74th) and companies' low spending on R&D (50th), as well as shortages in qualified research staff (75th), constrain the strengthening of the innovative capacity, which, at 46th, remains far behind top international levels.

**Kuwait** ranks 35th in this year's edition of the GCI. The country's macroeconomic environment remains for the second year in a row the most favorable worldwide. A budgetary surplus of nearly 44 percent of GDP (the highest of all countries), the highest national savings rate, and extremely low government debt contribute to this excellent result. Yet in order to put the country's recent surge in growth on a more solid footing, Kuwait must continue to carry out structural reforms. A major priority will be an overhaul of the educational system, both in terms of providing more access and also in improving its quality. Kuwait ranks 81st and 106th, respectively, for the quantity of higher and primary education, and 83rd for the quality of education provided. More generally, business leaders perceive the educational system to be out of sync with the needs of a competitive economy, with math and science education highlighted in particular as needing improvement. In addition, further intensifying domestic competition by facilitating the entry of foreign firms and new business creation would benefit the country's competitiveness. This would allow the business sector to take advantage of the flexible labor market and inject new energy into the country's markets for goods and services.

**Tunisia** tops the rankings among the North African countries at 36th position, preceding Bahrain and Oman by a narrow margin. The country's institutions, which have been favorably assessed for a number of years, are one of its major competitive advantages. They rest on fairly transparent and trustworthy relations between the government and the civil society as expressed in the high public trust of politicians (16th), a favorable assessment of the efficiency of government spending (2nd), and transparent policies (15th), as well as limited favoritism on the part of government officials (14th). A well-functioning health and educational system, as well as sound levels of domestic competition (34th) and a strong innovative capacity (27th), round out the positive picture. Moving forward, Tunisia will need to focus on

reforming the rigid labor market (ranked 103rd) and further streamlining its macroeconomic management in order to improve its competitive position.

**Bahrain** and **Oman** rank 37th and 38th, respectively. Similar to most of their geographical neighbors, both countries improve this year (by six and four positions, respectively). As is the case within many countries in the region, prudently managed hydrocarbon wealth has ensured a stable macroeconomic environment in both economies. While Oman displays a solid institutional environment, the GCI results point to shortcomings in the educational system that will need to be addressed if the country wishes to advance its competitiveness. Bahrain is host to the most sophisticated financial market in the region, but needs to further improve the efficiency of its labor market and upgrade its innovative capacity.

**Jordan** occupies the 48th rank this year, much in line with previous years' assessments. Well-defined property rights (23rd), efficient government spending (26th), a low burden of government regulation (18th), and a fairly efficient legal framework (29th), coupled with a very safe and secure environment (14th) ensure that the country's institutions receive a positive assessment. At the same time, the country's weak and deteriorating macroeconomic position is worrying, ranked a low 111th, 11 positions lower than last year, with a growing budget deficit and accompanying debt level. Moving forward, Jordan should also address its low primary education enrollment rate, which could otherwise lead to a literacy gap that will become increasingly difficult to close over time. In addition, policies aimed at making the labor market more flexible would also be beneficial for the country's business sector and employment creation.

**Morocco** has fallen by nine ranks this year, to 73rd place, in line with the deteriorating performance of North Africa as a whole. In the case of Morocco, a weakening security environment and a deteriorating assessment of the quality of the educational system contribute to the country's declining competitive position. At the same time, the macroeconomic environment—traditionally one of the country's weaknesses—has improved because of laudable efforts to curb inflation, control spending, and streamline the tax collection system.<sup>30</sup> The country also boasts a regulatory environment that is conducive to business activity and to business creation, ranked 19th and 22nd for the number of procedures and time required to start a business. At the same time, the rigid labor market, assessed at a low 128th rank, remains a serious drag on the country's competitiveness.

**Syria**, at 78th position, has moved up by two ranks since last year. Syria is a still largely state-controlled economy that only recently embarked on a reform path. The successful reforms of the business environment are reflected in the relatively favorable and improving assessment of institutions, although business leaders still identify corruption (100th) and the lack of transparency

of government policymaking (106th) as major shortcomings. Tighter monetary policy has helped to curtail inflation, which nevertheless still remains at a relatively high level (ranked 88th),<sup>31</sup> while the high government budget deficit (121st) further undermines macroeconomic stability (93rd). As well as imposing more fiscal and monetary discipline, moving forward, Syria should also focus on upgrading higher education and training institutions (101st), freeing up the very rigid labor market (123rd), and continuing to reform its financial institutions (121st).<sup>32</sup>

**Egypt** ranks 81st in this year's edition of the GCI, down four places compared with last year. Despite some improvements, macroeconomic instability remains a major challenge for the government as mirrored in the very low 125th rank the country obtains on this pillar. High government debt, double-digit inflation, and a still high—although decreasing—budget deficit continue to weaken the macroeconomic environment, despite improving fiscal management.<sup>33</sup> In addition, labor market efficiency is poor in international comparison, ranked last among all 134 countries. Firing costs (119th), a significant brain drain of the country's talent (129th), and reliance on friends and relatives for professional management positions (124th) are the most important weaknesses in this context.

At the same time, Egypt has made progress in fostering technological readiness (84th), although the increased penetration of the latest technologies, such as the Internet, PCs, and mobile telephones, has not been sufficient for the country to move up in the rankings, as other countries are improving more quickly. To further benefit from internationally available technology, Egypt will need to upgrade its educational institutions, which continue to receive weak assessments (124th).

**Libya** ranks 91st, down three positions since the last edition of our *Report*. Benefiting from increasing exports of hydrocarbons, the country boasts one of the strongest macroeconomic environments in the world (ranked 6th). The high government surplus and low government debt contribute to this good assessment. Yet mounting inflationary pressures are putting the country's macroeconomic stability at risk. Although educational enrollment rates are overall satisfactory, the curricula need to be overhauled to become more in line with the needs of present economic realities: the quality of the educational system receives one of the weakest assessments among all countries covered (121st). Similarly, the quality of infrastructure is assessed as dismal, in particular air transport (126th), ports (110th), and railroads (116th). In this context, to improve its competitiveness, windfall oil profits should be invested in structural improvements such as upgrading the educational system and the transport infrastructure.

**Algeria** has dropped 18 positions to 99th rank, and is now the weakest regional performer. Despite robust growth reaching on average 4.8 percent over 2003–07,<sup>34</sup>

and relative macroeconomic stability, the business sector assesses the operating environment in the country as more difficult than in previous years, in particular with respect to public and private institutions as well as innovative capacity. Trust in politicians is eroding, as business leaders see the institutional framework deteriorate and the already precarious security situation worsen.<sup>35</sup> In addition to upgrading the institutional environment, improving the country's competitive position will require reforms in what is one of the most rigid labor markets in the world (132nd) and a restructuring of the very inefficient and unstable financial system (132nd). Labor market reforms could also contribute to improving the security situation by creating more jobs for the rising numbers of fairly well educated yet unemployed young people.

### Sub-Saharan Africa

The improving economic climate observed in sub-Saharan Africa in recent years, with annual GDP growth accelerating to 6.8 percent in 2007 according to the IMF, is at last being reflected in the improved competitiveness rankings of a number of countries in the region. South Africa and Mauritius, already in the top half of the rankings last year, have been joined by Botswana, and there have been measurable improvements across specific areas in a number of other African countries. However, notwithstanding this positive development, sub-Saharan Africa as a whole continues to lag behind the rest of the world in competitiveness, requiring efforts across many areas to place the region on a firmly sustainable growth path going forward.

**South Africa**, ranked 45th overall, remains the highest ranked country in sub-Saharan Africa, with a very stable performance. Among the country's strengths is the large size of the economy, particularly by regional standards (ranked 23rd in the market size pillar). The country continues to receive good marks in more complex areas measured by the GCI, such as intellectual property protection (23rd), the quality of private institutions (25th), and goods (31st), as well as financial market efficiency (24th), business sophistication (33rd), and innovation (37th). South Africa benefits from high spending on R&D, accompanied by strong collaboration between universities and the business sector in innovation (both ranked 28th). It is thus not surprising that in recent years the country has a higher rate of patenting than a number of European countries. These combined strengths explain South Africa's position at the top of the regional ranking.

However, South Africa does face a number of obstacles to competitiveness. For example, the country ranks 88th in labor market flexibility, encompassing hiring and firing practices (129th), flexibility of wage determination (123rd), and poor labor-employer relations (119th). Further, the country's innovative potential could be at risk with a university enrollment rate of only 15

percent, which places the country 93rd overall. South Africa's infrastructure, although good by regional standards, requires upgrading (ranked 48th), with particular concerns about the quality of the electricity supply that has been getting worse in recent years (ranked 101st, down from 83rd last year) and the short supply of telephone lines. The poor security situation remains another important obstacle to doing business in South Africa. The business costs of crime and violence (134th) and the sense that the police are unable to provide protection from crime (109th) are highlighted as particular concerns. The greatest obstacle, however, remains the health of the workforce, ranked 129th out of 134 countries, due to high rates of communicable diseases and poor health indicators more generally. These are areas that must be tackled in order to improve South Africa's competitiveness outlook.

**Botswana**, ranked 56th, follows only South Africa in sub-Saharan Africa. The country regains its position this year in the top half of the rankings, moving up a remarkable 20 places, the largest improvement this year. In this light, the GCI is beginning to weight more heavily those more complex factors from which Botswana derives its competitive strengths. The government has succeeded in using its wealth from key natural resources to invest in factors that have set it on a more sustainable growth trajectory. Among the country's strengths are its reliable and legitimate institutions, ranking a high 21st worldwide for the efficiency of government spending, 22nd for public trust of politicians, and 26th for judicial independence. Botswana is rated as the country with the lowest corruption in Africa (22nd out of 134 countries). Over past years, the transparency and accountability of public institutions have contributed to a stable macroeconomic environment, and this is one key area of improvement: the government has been running a healthy budget surplus, which is allowing it to reduce debt levels, and inflation has come down from its peak in 2006 as well.

Botswana's primary weaknesses are related to the country's human resources base. Despite high spending on education, educational attainment rates at all levels of the educational ladder 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 is the health situation in the country. Botswana has the highest HIV prevalence rate of all countries covered, as well as very high malaria (111th) and tuberculosis (128th) incidence. However, these rates are for the most part coming down, leading to an improvement in life expectancy from 40 to 52 years by the most recent estimate. Continuing to improve the health and educational levels of the workforce will remain the main priorities for the government for some time.

**Mauritius** has seen an improvement of three places since last year, moving up to 57th position and following Botswana directly in the rankings. The country is characterized by strong and transparent public institutions, with well-protected property rights (ranked 22nd), reasonable levels of judicial independence, and a security situation that is good by regional standards (37th). Private institutions are rated as accountable and improving, with strong auditing and accounting standards and a system that protects minority shareholders' interests. The country's infrastructure is well developed by regional standards, and goods and financial markets function well, ensuring an efficient allocation of resources in the country.

However, efforts will be required in the area of education. Educational attainment rates remain low, particularly at the university level (placing Mauritius 90th), education spending remains low, and the educational system gets mediocre marks for quality. Beyond the educational weaknesses, labor markets could be made more flexible, with stringent hiring and firing laws (110th) and wages that are not flexibly determined (118th). Furthermore, there are some health concerns with regard to the workforce—particularly the high prevalence of HIV. Finally, Mauritius must work to improve the stability of the macroeconomic environment going forward (ranked 117th), with a government budget deficit that places the country 115th (which over time has led to the buildup of significant national debt and high interest rates), as well as high and rising inflation.

**Namibia** has moved up nine places to 80th place this year, with improvements across many of the areas measured by the GCI. Among Namibia's comparative strengths is the quality of the institutional environment (ranked 42nd). Property rights are well protected (ranked 25th) and the judiciary is perceived as independent from undue influence (22nd). With regard to private institutions, auditing and accounting standards are strong and minority shareholders' interests are well protected. The country's strong institutional environment continues to contribute to responsible macroeconomic management. The government budget remained in surplus between 2006 and 2007, helping to significantly relieve the country's debt burden, although rising inflation still remains high by international standards (ranked 83rd on this indicator). The quality of the country's infrastructure is also excellent by regional standards (ranked 33rd), most particularly the transport infrastructure.

With regard to weaknesses, Namibia's health and education indicators are worrisome, with the country ranked a low 124th on the health subpillar. The country is characterized by high infant mortality, low (albeit rising) life expectancy, the result in great part of the high prevalence rates of HIV and malaria (ranked 130th and 129th, respectively) as well as the second-to-highest incidence of tuberculosis of all 134 countries. On the educational side, attainment rates remain low, with primary, secondary, and tertiary enrollment rates placing

the country 114th, 103rd, and 112th, respectively. The quality of the educational system is assessed as being among the worst of all countries in the Index, ranked 114th overall, despite high government per capita spending on education. In addition, Namibia's goods markets suffer from a number of distortions, such as a long time required for starting a business (99 days, placing the country 122nd), ineffective antitrust policy, and poor customer orientation. Finally, the country could do more to harness new technologies to improve its productivity levels. Companies are not considered to be sufficiently aggressive in absorbing new technologies, and Namibia has low penetration rates of new technologies such as mobile phones and the Internet.

Notwithstanding the post-election political and social turmoil ravaging the country earlier in the year, **Kenya** (ranked 93rd overall) has moved up by six places this year, with its key strengths found in the more complex areas normally reserved for countries at higher stages of development. For example, Kenya's innovative capacity is ranked an impressive 42nd, with high company spending on research and development, and good scientific research institutions collaborating 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 (primary, secondary, and tertiary enrollment rates are ranked 116th, 108th, and 126th, respectively)—gets good marks for quality (33rd) for those attending schools. The economy is also supported by financial markets that are sophisticated by international standards (44th), with relatively easy access to loans and share issues on the local stock market.

However, there are a number of basic weaknesses that are eroding at Kenya's overall competitive potential. The country's public institutions continue to be assessed as highly inefficient (100th), plagued by undue influence (111th) and high levels of corruption (101st). The security situation in Kenya is also extremely worrisome, particularly crime and violence (126th), the potential of terrorism (129th), and the prevalence of organized crime (118th). Health is another area of serious concern (ranked 117th), with a high prevalence of diseases—particularly tuberculosis and HIV, which are among the highest of all countries covered (124th and 125th, respectively), contributing to the low life expectancy of 53 years.

**Nigeria** is ranked 94th this year. The country's greatest area of strength remains the macroeconomic environment (ranked 26th), with windfall oil revenues contributing to large (although declining) government budget surpluses, and a high national savings rate. Nigeria also benefits from a relatively large market, allowing for economies of scale. In addition, its financial markets are quite sophisticated by regional standards (ranked 54th).



On the other hand, the GCI shows that Nigeria's economy is characterized by weak and deteriorating institutions (ranked 106th, down from 87th in 2006)—including a serious security problem (125th)—and poor assessments for its infrastructure (120th) as well as basic health and education (126th). In addition, the country is not harnessing the latest technologies for productivity enhancements, as demonstrated by its low levels of ICT penetration. The rankings show that Nigeria is not taking the opportunity presented by the windfall oil revenues to upgrade the population's access to basic health care and education, and to make improvements in other areas such as infrastructure. Movements in this direction would be critical to set the basis for sustainable growth going forward.

**Zimbabwe** continues to be ranked among the least competitive economies included in the GCI, second to last at 133rd overall. This compares with last year's rank of 129, and represents a decline of one place even in a constant sample. The institutional environment is among the worst of all countries, with a complete absence of property rights (ranked last out of all countries at 134th), high levels of corruption (130th), and a lack of even-handedness of the government in its dealings with the public (129th) as well as basic government inefficiency (130th). The extreme mismanagement of the public finances and monetary policy has placed Zimbabwe once again at the bottom of all countries covered with regard to macroeconomic stability (ranked 134th), with enormous—and growing—deficit spending, negligible national savings, and raging hyperinflation that is unparalleled anywhere else in the world. The economy is now characterized by mismanagement and weaknesses across all areas, including health (ranked 128th in the health subpillar), low educational enrollment rates, and official markets that have ceased to function for all intents and purposes (particularly goods and labor markets, ranked 133rd and 127th, respectively).

## Conclusions

This chapter has presented and analyzed the results of the World Economic Forum's Global Competitiveness Index. Covering 134 countries in this year's edition, the GCI provides a comprehensive picture of the numerous factors, institutions, and policies that determine the productivity and prosperity of a nation.

Since its introduction in 2004, 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 as it allows countries to determine the strengths and weaknesses of the national competitiveness environment and to identify those factors most constraining its economic development.

At the national level, numerous entities—such as competitiveness councils and observatories—have been

created to analyze and closely monitor the competitiveness performance of their countries, and several national competitiveness reports have been prepared based on the GCI framework. At the global level, international organizations specializing in economic development studies increasingly use the GCI alongside other methodological approaches, as a tool for identifying and prioritizing areas for growth-enhancing reform.

In this context, the particular strength of the World Economic Forum's competitiveness work is that it provides a platform for dialogue among government, business, and civil society that can serve as a catalyst for productivity-raising reforms, with the aim of boosting the living standards of the world's citizens.

## Notes

- 1 Schumpeter 1942; Solow 1956; and Swan 1956.
- 2 See, for example, Sala-i-Martin et al. 2004 for an extensive list of potential robust determinants of economic growth.
- 3 See Acemoglu et al. 2001, 2002; Rodrik et al. 2002; Easterly and Levine 1997; and Sala-i-Martin and Subramanian 2003.
- 4 See de Soto 2000.
- 5 See de Soto and Abbot 1990.
- 6 See Shleifer and Vishny 1997; Zingales 1998.
- 7 See Kaufmann and Vishwanath 2001.
- 8 See World Bank 1994; Gramlich 1994; Aschauer 1989; Canning et al. 1994; and Easterly 2002.
- 9 See Fischer 1993.
- 10 See Sachs 2001.
- 11 See Schultz 1961; Becker 1993; Lucas 1988; and Kremer 1993.
- 12 It is important to note that the effects of the global financial crisis may not be fully reflected in the GCI results discussed in this chapter, as they are based on data from the past year.
- 13 See Aghion and Howitt 1992 and Barro and Sala-i-Martin 2003 for a technical exposition of technology-based growth theories.
- 14 A general purpose technology (GPT), according to Trajtenberg (2005), is one which in any given period makes a particular contribution to 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.
- 15 See Frenkel and Romer 1999; Rodrik and Rodriguez 1999; Sachs and Warner 1995; and Alesina et al. 2005.
- 16 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 of 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 of California).
- 17 See Romer 1990; Aghion and Howitt 1992; and Grossman and Helpman 1991.
- 18 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.

- 19 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.
- 20 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. Further information on these data can be found at the following site:  
<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 stage 1 and 2. The income and primary exports criteria are weighted identically. Stages of development are dictated uniquely 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).
- 21 According to the IMF (IMF 2008b), the region has withstood rather well the global financial slowdown so far, also thanks to strong commodity prices, with a still solid 5.6 percent growth rate in 2007. This is projected to slow gradually to 4.4 percent and 3.6 percent respectively in 2008 and 2009.
- 22 OECD Development Centre 2007.
- 23 Attracting US\$19.04 billion in FDI in 2006 (UNCTAD 2007), ahead of Brazil (US\$18.78 billion) and Chile (US\$7.95 billion).
- 24 OECD Development Centre 2007.
- 25 These growth rates are an average annual 6.5 percent of GDP in the 2003–2007 period according to the IMF (2008a).
- 26 Argentina experienced average annual growth of 8.8 percent from 2003 to 2007 IMF (2008a).
- 27 See IMF 2008e for more details.
- 28 See *The Economist* 2008c.
- 29 IMF 2008e.
- 30 OECD Development Centre 2008.
- 31 IMF 2007a.
- 32 IMF 2007a.
- 33 IMF 2007b.
- 34 IMF 2008e.
- 35 *The Economist* 2008d.

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This appendix presents the structure of the Global Competitiveness Index 2008–2009 (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 1.01 belongs to the 1st pillar).

The hard data indicators used in the GCI are normalized on a 1-to-7 scale in order to align them with the Executive Opinion Survey's results.<sup>a</sup> The Technical Notes and Sources at the end of this Report provide detailed information on all the hard data indicators.

Those variables that are followed by the symbol <sup>1/2</sup> enter the GCI in two different places. In order to avoid double counting, we give them a half-weight in each place by dividing their value by 2 when computing the aggregate score for the two categories in which they appear.<sup>b</sup>

The percentage next to each category represents this category's rounded weight within its immediate parent category. The computation of the GCI is based on successive aggregations of scores, from the variable level (i.e., the lowest level) all the way up to the overall GCI score (i.e., the highest level), using the weights reported below. 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. Similarly, the score achieved on the subpillar *Networks and supporting industries* accounts for 50 percent of the score of the 11th pillar. Reported percentages are rounded to the nearest integer, but exact figures are used in the calculation of the GCI.

Unlike for the lower levels of aggregation, the weight put on each of the three subindexes (Basic requirements, Efficiency enhancers, and Innovation factors) is not fixed. It depends on each country's stage of development, as discussed in the text.<sup>c</sup> For instance, in the case of Ecuador—a country in the second stage of development—the score in the *Basic requirements* subindex accounts for 40 percent of its overall GCI score, while it represents just 20 percent of the overall GCI score of Denmark, a country in the third stage of development.

Weight (%) within immediate parent category

**BASIC REQUIREMENTS**

**1st pillar: Institutions.....25%**

**A. Public institutions .....75%**

- 1. Property rights.....20%
  - 1.01 Property rights
  - 1.02 Intellectual property protection<sup>1/2</sup>
- 2. Ethics and corruption.....20%
  - 1.03 Diversion of public funds
  - 1.04 Public trust of politicians
- 3. Undue influence.....20%
  - 1.05 Judicial independence
  - 1.06 Favoritism in decisions of government officials
- 4. Government inefficiency .....20%
  - 1.07 Wastefulness of government spending
  - 1.08 Burden of government regulation
  - 1.09 Efficiency of legal framework
  - 1.10 Transparency of government policymaking
- 5. Security.....20%
  - 1.11 Business costs of terrorism
  - 1.12 Business costs of crime and violence
  - 1.13 Organized crime
  - 1.14 Reliability of police services

**B. Private institutions .....25%**

- 1. Corporate ethics .....50%
  - 1.15 Ethical behavior of firms
- 2. Accountability.....50%
  - 1.16 Strength of auditing and reporting standards
  - 1.17 Efficacy of corporate boards
  - 1.18 Protection of minority shareholders' interests

**2nd pillar: Infrastructure.....25%**

**A. General infrastructure .....50%**

- 2.01 Quality of overall infrastructure

**B. Specific infrastructure .....50%**

- 2.02 Quality of roads
- 2.03 Quality of railroad infrastructure
- 2.04 Quality of port infrastructure
- 2.05 Quality of air transport infrastructure
- 2.06 Available seat kilometers (hard data)
- 2.07 Quality of electricity supply
- 2.08 Telephone lines (hard data)

**3rd pillar: Macroeconomic stability.....25%**

- 3.01 Government surplus/deficit (hard data)
- 3.02 National savings rate (hard data)
- 3.03 Inflation (hard data)<sup>d</sup>
- 3.04 Interest rate spread (hard data)
- 3.05 Government debt (hard data)

(Cont'd.)

## Appendix A: Structure of the Global Competitiveness Index 2008–2009 (cont'd.)

### 4th pillar: Health and primary education .....25%

#### A. Health.....50%

- 4.01 Business impact of malaria<sup>e</sup>
- 4.02 Malaria incidence (hard data)<sup>e</sup>
- 4.03 Business impact of tuberculosis<sup>e</sup>
- 4.04 Tuberculosis incidence (hard data)<sup>e</sup>
- 4.05 Business impact of HIV/AIDS<sup>e</sup>
- 4.06 HIV prevalence (hard data)
- 4.07 Infant mortality (hard data)
- 4.08 Life expectancy (hard data)

#### B. Primary education .....50%

- 4.09 Quality of primary education
- 4.10 Primary enrollment (hard data)
- 4.11 Education expenditure (hard data)<sup>1/2</sup>

## EFFICIENCY ENHANCERS

### 5th pillar: Higher education and training .....17%

#### A. Quantity of education .....33%

- 5.01 Secondary enrollment (hard data)
- 5.02 Tertiary enrollment (hard data)
- 4.11 Education expenditure (hard data)<sup>1/2</sup>

#### 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 efficiency .....17%

#### A. Competition .....67%

1. Domestic competition.....variable<sup>f</sup>
  - 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<sup>1/2</sup>
  - 6.05 Total tax rate (hard data)<sup>1/2</sup>
  - 6.06 Number of procedures required to start a business (hard data)<sup>9</sup>
  - 6.07 Time required to start a business (hard data)<sup>9</sup>
  - 6.08 Agricultural policy costs
2. Foreign competition .....variable<sup>f</sup>
  - 6.09 Prevalence of trade barriers
  - 6.10 Trade-weighted tariff rate (hard data)
  - 6.11 Prevalence of foreign ownership
  - 6.12 Business impact of rules on FDI
  - 6.13 Burden of customs procedures
  - 10.04 Imports as a percentage of GDP (hard data)

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

- 6.14 Degree of customer orientation
- 6.15 Buyer sophistication

### 7th pillar: Labor market efficiency .....17%

#### A. Flexibility .....50%

- 7.01 Cooperation in labor-employer relations
- 7.02 Flexibility of wage determination
- 7.03 Non-wage labor costs (hard data)
- 7.04 Rigidity of employment (hard data)
- 7.05 Hiring and firing practices
- 6.04 Extent and effect of taxation<sup>1/2</sup>
- 6.05 Total tax rate (hard data)<sup>1/2</sup>
- 7.06 Firing costs (hard data)

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

- 7.07 Pay and productivity
- 7.08 Reliance on professional management<sup>1/2</sup>
- 7.09 Brain drain
- 7.10 Female participation in labor force (hard data)

### 8th pillar: Financial market sophistication .....17%

#### A. Efficiency .....50%

- 8.01 Financial market sophistication
- 8.02 Financing through local equity market
- 8.03 Ease of access to loans
- 8.04 Venture capital availability
- 8.05 Restriction on capital flows
- 8.06 Strength of investor protection (hard data)

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

- 8.07 Soundness of banks
- 8.08 Regulation of securities exchanges
- 8.09 Legal rights index (hard data)

### 9th pillar: Technological readiness .....17%

- 9.01 Availability of latest technologies
- 9.02 Firm-level technology absorption
- 9.03 Laws relating to ICT
- 9.04 FDI and technology transfer
- 9.05 Mobile telephone subscribers (hard data)
- 9.06 Internet users (hard data)
- 9.07 Personal computers (hard data)
- 9.08 Broadband Internet subscribers (hard data)

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

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

- 10.01 Domestic market size index (hard data)<sup>h</sup>

#### B. Foreign market size .....25%

- 10.02 Foreign market size index (hard data)<sup>i</sup>

## INNOVATION AND SOPHISTICATION FACTORS

### 11th pillar: Business sophistication .....50%

#### A. Networks and supporting industries .....50%

- 11.01 Local supplier quantity
- 11.02 Local supplier quality
- 11.03 State of cluster development

#### B. Sophistication of firms' operations and strategy 50%

- 11.04 Nature of competitive advantage
- 11.05 Value chain breadth
- 11.06 Control of international distribution
- 11.07 Production process sophistication

## Appendix A: Structure of the Global Competitiveness Index 2008–2009 (cont'd.)

- 11.08 Extent of marketing
- 11.09 Willingness to delegate authority
- 7.08 Reliance on professional management<sup>1/2</sup>

### 12th pillar: 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 research collaboration
- 12.05 Government procurement of advanced technology products
- 12.06 Availability of scientists and engineers
- 12.07 Utility patents (hard data)
- 1.02 Intellectual property protection<sup>1/2</sup>

### Notes

- a The standard formula for converting hard data is the following:

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

The *sample minimum* and *sample maximum* are, respectively, the lowest and highest country scores in the sample of countries covered by the GCI. In some instances, adjustments were made to account for extreme outliers. For those hard data variables for which a higher value indicates a worse outcome (e.g., disease incidence, government debt), we rely on a normalization formula that, in addition to converting the series to a 1-to-7 scale, reverses it, so that 1 and 7 still corresponds to the worst and best possible outcomes, respectively:

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

- b For those groups of variables that contain one or several half-weight variables, country scores for those groups are computed as follows:

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

- c As described in the chapter, the weights are the following:

Weights	Factor-driven stage (%)	Efficiency-driven stage (%)	Innovation-driven stage (%)
Basic requirements	60	40	20
Efficiency enhancers	35	50	50
Innovation and sophistication factors	5	10	30

- d 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.

- e 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.
- f 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*.
- g Variables 6.06 and 6.07 combine to form one single variable.
- h The size of the domestic market is constructed by taking 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-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.
- i 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 section.



## Moving to a New Global Competitiveness Index

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*The Global Competitiveness Report* (GCR) has long been a globally recognized ranking of country competitiveness and a tool for benchmarking country strengths and weaknesses. In an effort to continually introduce the best available methodology in preparing the rankings, there has been a series of improvements in the methodology over the years. An important milestone was reached in 2000, when Professor Jeffrey Sachs introduced the Growth Competitiveness Index, based on a stronger academic foundation in economic growth theory. Professor Michael Porter joined the effort in 2000, introducing a companion Business Competitiveness Index (BCI) focused on the microeconomic drivers of prosperity. In 2004, Professor Xavier Sala-i-Martin created a Global Competitiveness Index (GCI), which included both macroeconomic and microeconomic factors of competitiveness. Since 2004, the GCI has been published in the GCR alongside the BCI.

This year, the World Economic Forum and Professor Porter have embarked on another important stage in the development of the GCR. Under Professor Porter's leadership, the aim is another step-change improvement in both the Index methodology and the quality of the Executive Opinion Survey (the Survey), which provides many proprietary data used in preparing the *Report*. This chapter previews the upcoming changes in the Index, while Chapter 2.1 discusses the considerable improvements that have already been implemented in the Survey process.

The aim of the New Global Competitiveness Index (New GCI) is to create a single, fully integrated index to replace the two indexes published in recent years. The New GCI will be based on a single model that is firmly grounded in the latest academic research while designed to extend research and yield practical insights for policy-makers. The New GCI will also create a stable methodological platform for the years to come.

The New GCI will concentrate on the determinants of the productivity level that a national economy can sustain, which is the ultimate driver of national prosperity. Data will continue to be drawn from a mix of public sources and the unique and proprietary annual Survey of many thousands of business executives from around the world. The majority of the individual indicators used in the previous indexes will be incorporated into the new index.

While many of the elements stay the same, the New GCI incorporates them in a new and more robust conceptual structure. It will also employ a new and more rigorous statistical methodology.

To develop the new index, Professor Porter assembled a team of scholars including Professor Scott Stern

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of Northwestern University, Professor Antonio Ciccone of Universitat Pompeu Fabra, Professor Mercedes Delgado of Temple University, and Dr. Christian Ketels of the Institute for Strategy and Competitiveness at Harvard Business School. The New Index is largely developed, and will be rigorously tested over the coming year. An advisory group of outside experts will review the New Index and make recommendations for improvements. The official launch of the New GCI will coincide with the 2009 *Global Competitiveness Report*.

Assessing a country's competitiveness is a challenging task because of the sheer number and variety of influences on national productivity. Correlation among many of the indicators makes disentangling the impact of individual indicators complex from a statistical standpoint. It is precisely because of these challenges, as well as the fact that most studies highlight a subset of influences rather than seek a comprehensive model, that the academic literature has not achieved consensus on the causes of productivity. Different datasets and alternative econometric approaches have led to different and often conflicting claims about the specific drivers of competitiveness.<sup>1</sup> The aim of the New GCI is to deal with these challenges in a way that is rigorous, pragmatic, and designed to inform policymakers at a detailed level.

This chapter provides an overview of the New Index, its structure and methodology, and some of its overall findings. While the details will evolve, we wanted to provide a preview to inform scholars and practitioners of the new approach and invite dialog about the proposed methodology and its implications.

### The foundation of competitiveness

Prosperity is determined by the productivity of an economy, which is measured by the value of goods and services produced per unit of the nation's human, capital, and natural resources. Productivity depends both on the value of a nation's products and services, measured by the prices they can command in open markets, and the efficiency with which these products can be produced. Productivity supports high wages, a strong currency, and attractive returns to capital—and with them a high standard of living.<sup>2</sup> Competitiveness, then, is measured by productivity.

The world economy is not a zero-sum game. Many nations can improve their prosperity if they can improve productivity. Improving productivity will raise the value of goods produced and improve local incomes, expanding the global pool of demand to be met. Globalization has increased the returns to productivity by opening up large new markets for competitive countries. Globalization has also raised the costs of low productivity, by reducing the ability to sustain low-productivity companies or provide high-paying jobs for less-skilled employees. The central challenge for any economy is to create the con-

ditions in which companies and employees throughout the economy can upgrade their productivity.

Identifying the drivers of productivity (and ultimately prosperity) across countries is one of the oldest occupations of economic research. Theoretical models initially concentrated on the role of capital accumulation in economic growth.<sup>3</sup> Over the last decades, they have focused increasingly on the role of knowledge.<sup>4</sup>

Empirical research, enabled by new datasets covering an ever increasing range of indicators, has tested the impact of a wide range of these possible productivity drivers. Important categories of productivity drivers highlighted have included the role of institutions, openness to trade and investment, geographic location, and the quality of the business environment. While there is broad agreement on some general findings, no consensus model has yet emerged on the specific drivers of productivity and their relative importance. Results tend to be highly dependent on the specifics of the sample of countries chosen and the actual measures used.<sup>5</sup> These findings have led to debate about policy implications.<sup>6</sup>

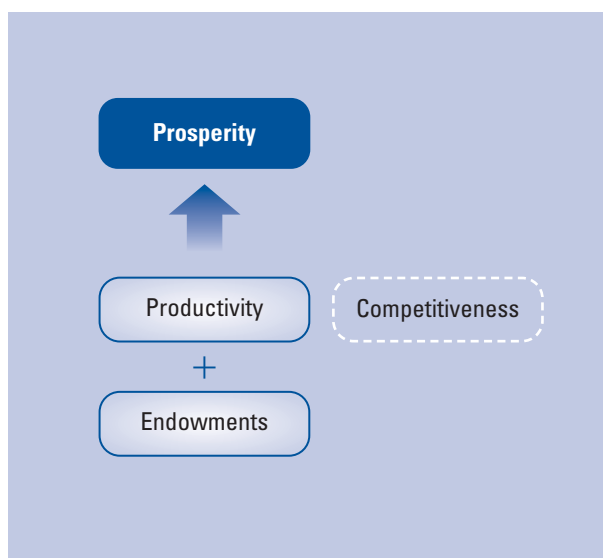
The New GCI framework is grounded in this literature, but aims to provide an integrative overall framework while capturing detailed local circumstances at the country level that are actionable by policymakers. Much academic work focuses on a minimum set of root causes that statistically explain the differences in current prosperity levels across countries, such as a nation's colonial past. The New GCI aims to identify the proximate drivers of current prosperity at a level that can be addressed by policy, even if these drivers may have been influenced by history.

Theory and empirical evidence suggest that many things matter for competitiveness. The New GCI framework incorporates a comprehensive set of these factors, rather than isolating a few factors that are econometrically most efficient in predicting prosperity levels. Our aim is to capture the rich set of influences on productivity that will allow policymakers to understand country strengths and weaknesses and craft a policy agenda.

Some national conditions, such as the quality of public institutions, are general conditions that create opportunities for higher productivity across the economy that may or may not be realized. Other factors, such as the average skill level of the labor force, directly affect productivity. Differences in the mechanism of influence often coincide with the policy process that governs them: general conditions affecting productivity tend to be under the control of national governments, while many direct productivity drivers are often the result of involvement by many parts of government, the private sector, academia, and other institutions.

Within broad categories, such as physical infrastructure or financial market sophistication, we find that there is a high degree of correlation between individual factors. Thus, improving a country's position is a matter of improving groups of interrelated factors, not just

Figure 1: Defining competitiveness



influencing one or two isolated weaknesses. The New GCI framework deals with this issue through an econometric approach that reveals the common movements of related factors instead of imposing weights that treat factors as separate.

### Elements of the New GCI framework

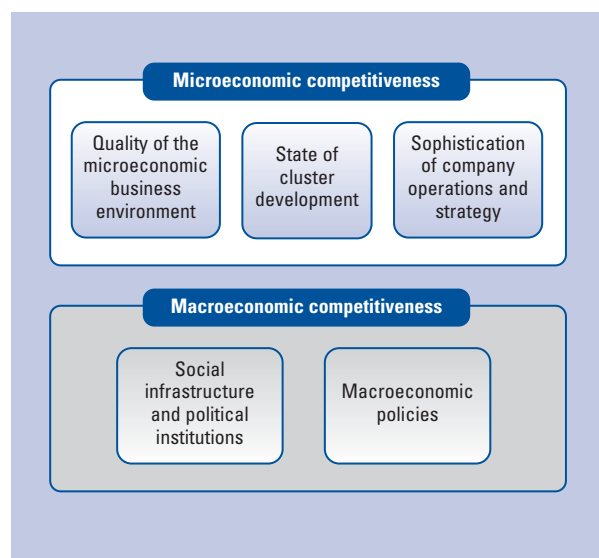
The aim of the New GCI is to reveal the underlying causes of productivity. There are three overall building blocks of the framework: endowments, macroeconomic competitiveness, and microeconomic competitiveness. Endowment affects prosperity directly through inherited natural resources, geographic location, or a large home market. Endowment is a control variable in explaining prosperity.

Competitiveness is what determines the productivity with which a nation's endowments are used to create goods and services. Competitiveness arises from both macroeconomic and microeconomic factors. These are captured in detail in the New GCI.

### Productivity

The dependent variable used in estimating the New GCI model is the level of GDP per capita, adjusted for purchasing power parity (PPP). GDP per capita is the broadest measure of national productivity and is strongly linked over time to a nation's standard of living. It is the single best summary measure of country performance available across all countries. It provides continuity with the BCI model of previous years. The focus on productivity reflects our goal of identifying the determinants of sustainable prosperity, whether they operate through inputs such as skills and capital or through the efficiency with which these inputs are employed. Focusing on

Figure 2: Foundations of productivity



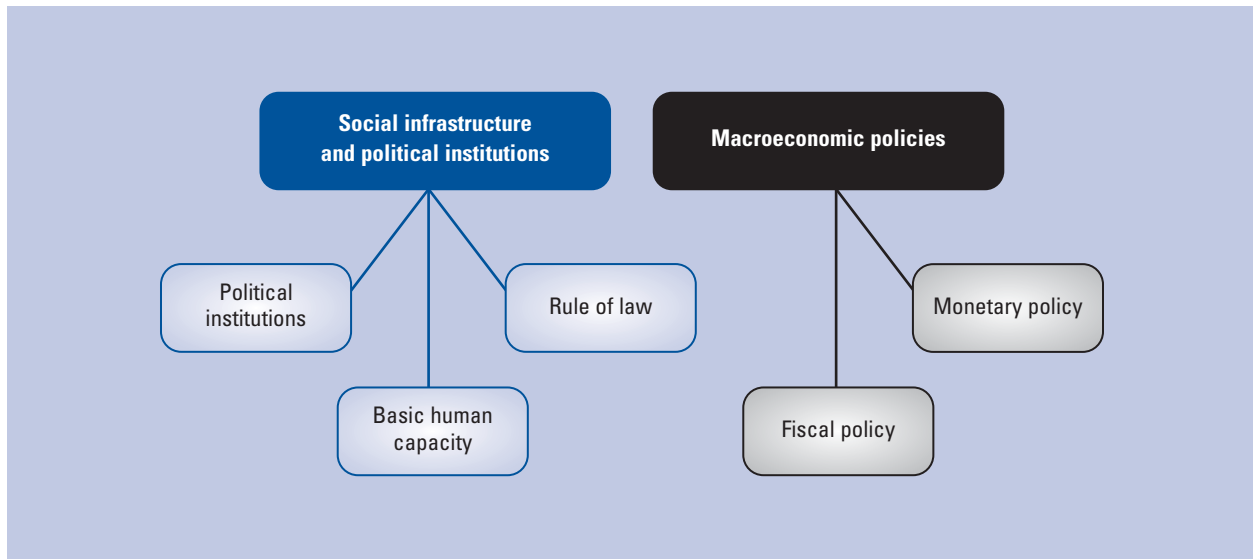
inputs and efficiency separately is problematic because of conceptual as well as practical issues. Conceptually, they are not determined independently.<sup>7</sup> Practically, the calculation of inputs and efficiency levels is subject to significant data limitations.

### Endowments

The New Index explains productivity rather than becoming co-mingled with resource abundance. Controlling for endowments allows the New GCI to distinguish between prosperity and productivity. Inherited prosperity from, for example, oil resources, is captured in the control. The competitiveness indicators then explain the created wealth from productive economic activity that adds value to available labor and natural assets.

The empirical growth literature has generally revealed a negative influence of natural resource abundance on prosperity levels, summarizing the evidence using the term *resource curse*.<sup>8</sup> The traditional justification for this counterintuitive finding—access to valuable resources seemingly should have a positive effect on prosperity—has been the Dutch Disease. Here, revenues from natural resource exports lead to an appreciation of the real exchange rate that, in turn, drives factors of production into local activities such as retailing that have lower long-term potential for productivity growth. An additional justification for the resource curse is the role of institutions: natural resource wealth has a negative effect on the quality of political institutions and economic policy, eroding competitiveness over time.<sup>9</sup>

A country's geographic location is another endowment that has been discussed as a possible external factor influencing wealth. Location can affect the ease with which countries can engage in trade, for example, because of having a long coastline,<sup>10</sup> or because of distance from

**Figure 3: Macroeconomic competitiveness**

large markets.<sup>11</sup> Another locational dimension of endowments is the proximity to the equator and climatic conditions that expose a country to tropical diseases and might lead to lower agricultural productivity.<sup>12</sup>

Finally, there is a widespread view that another type of endowment, country size and population, affects prosperity. While there is little empirical evidence on direct effects of country size on growth, there is evidence of some effects such as the greater effect of openness to trade on prosperity for small countries than for large countries.<sup>13</sup> Some evidence suggests that the level of agglomeration is related to prosperity for poor countries, but the findings are not yet very robust.<sup>14</sup>

### Macroeconomic competitiveness

Macroeconomic factors operate indirectly to affect the productivity of firms in an economy. They are necessary, but not sufficient, for higher productivity.

The New GCI framework distinguishes two broad areas of macroeconomic competitiveness: macroeconomic policy (MP) and social infrastructure and political institutions (SIPI). These areas reflect two key strands in the macroeconomic growth and prosperity literature. Macroeconomic policy has dominated the debate for a long time,<sup>15</sup> while recent literature has put more emphasis on institutions.<sup>16</sup> There is an emerging consensus that institutions have a strong effect on productivity, especially when accounting for their endogenous effects on other economic and social policies.

Macroeconomic factors are heavily the province of central governments. In most areas of macroeconomic competitiveness, there is broad consensus on best practices in managing the policy levers available. Achieving high levels of macroeconomic competitiveness is thus largely a matter of achieving these best practices and

sustaining them over time, often in the face of political opposition by interest groups hoping to benefit from different policies.

*Macroeconomic policy* has been the central focus of the economic policy debate in most countries.<sup>17</sup> Fiscal and monetary policy, each a separate area of academic research, are included in the New GCI framework. Although many countries achieve similar levels of performance on fiscal and monetary policies, differences exist and can sometimes persist.<sup>18</sup>

Fiscal policy—that is, government spending and financing decisions—is primarily discussed in terms of its impact on short-term fluctuations of economic activity. In terms of its impact on long-term differences in productivity across locations, researchers have distinguished between the role of the absolute size of the government and the growth of government spending, and the patterns of raising government revenues over time. More prosperous countries tend to have a larger share of government spending in GDP, a relationship first noted by German economist Adolph Wagner in the 19th century.<sup>19</sup> This is true because the demand for public goods such as infrastructure and social security systems increases with overall prosperity. However, there is significant variance of government budgets among countries at similar stages of development. Recent analysis has focused more on the nature of financing, notably the impact of different patterns of taxation on overall prosperity.<sup>20</sup> The literature suggests that, within normal parameters, the overall size of government (and implicitly the level of taxes) is less important than the way government spends money (government efficiency) and the way taxation is structured (distortiveness and bureaucratic burden of taxes).

The sustainability of government financing over time is another factor with potential impact on productivity levels. High debt levels ultimately have to be financed by increasing taxation or reducing spending. Or, if governments have the power to do so, they can use monetary policy to induce inflation as a way to reduce their debt burden. Expectations in these directions, triggered by high government debt burdens or excessive deficit financing of budgets, can distort investment decisions and thus lower the potential for higher productivity. The impact of fiscal policy on the business cycle could also have an impact on productivity: more cyclicalities can increase the periods of time in which companies with financing constraints are unable to finance otherwise-profitable long-term investments. Overall, however, the empirical literature suggests that the impact of fiscal policy on long-term productivity differences is weak, especially after controlling for the quality of political institutions.<sup>21</sup>

Monetary policy, especially the level of the money supply, is also normally treated primarily in the context of short-term fluctuations in economic activity. But monetary policy can also have longer-term effects: high and volatile inflation can, for example, render price signals hard to interpret and thus distort decisions away from investments that lead to higher productivity. While the empirical literature tends to support this view for very high rates of inflation, there is less conclusive evidence of the impact of moderate levels of inflation on long-term productivity growth.<sup>22</sup> Nevertheless, there is a broad policy consensus on the need for monetary policy to support low inflation.<sup>23</sup>

Social infrastructure and political institutions (SIPI) have become the focus of much academic analysis and policy attention in the last two decades.<sup>24</sup> New datasets have been created to compare policies and institutions across countries and test systematically for their impact on prosperity levels.<sup>25</sup> Given this literature, the policy debate shifted toward an “augmented” Washington consensus, combining solid macroeconomic policy with a stronger focus on social infrastructure and political institutions.<sup>26</sup>

The new GCI captures three dimensions of SIPI, each of which has been the focus of different types of research: basic human capacity, political institutions, and rule of law. Countries tend to achieve similar levels of performance along these different dimensions, but deviations exist and can sometimes continue for extended periods of time.

Basic human capacity, such as basic education, health care, and a clean environment, is necessary to enable individuals to effectively engage in economic activity.<sup>27</sup> The presence of malaria or an HIV/AIDS epidemic, for example, means that large segments of society must concentrate on sustaining their basic health, which lowers productivity.<sup>28</sup> If large parts of the population

have no basic reading and writing skills, their ability to achieve higher productivity is also severely limited.

The nature of political institutions is important because it affects the content and the predictability of the rules and regulations that set the overall context of the economy. The empirical literature finds no simple relationship between specific political systems and economic outcomes,<sup>29</sup> and whether democratic reforms are more sustainable before or after economic reforms is equally contested.<sup>30</sup> Generally accepted is that all (or almost all) economies with high levels of prosperity are democracies.

The rule of law, especially the existence of property rights and the ability to protect legal rights against private and public interests, has an important influence on the incentives to engage in economic activity, especially transactions with others.<sup>31</sup> If property rights are weak, assets cannot be brought to their best economic use and productivity suffers.<sup>32</sup> But even when property rights do exist, corruption can reduce their economic value by making it harder to establish them in a court of law or allowing harmful economic policies.<sup>33</sup> The rule of law can also be threatened by military conflicts or high levels of crime. War, especially civil war, substitutes the use of power for the market.<sup>34</sup> If the population is engaged in fighting or must devote resources to protecting their livelihood, the opportunities for higher productivity are naturally limited. Crime raises the costs of doing business and reduces the incentives to make investments that enable higher levels of productivity. Empirical support of the relationship of security and productivity, however, is limited.<sup>35</sup>

The empirical growth literature has found SIPI to have a strong impact on prosperity levels. In fact, much research identifies SIPI as the most important (if not the only) factor that matters for long-term differences in prosperity.<sup>36</sup> But differentiating the impact of institutions from other factors econometrically, especially geographic location, is complex because of high levels of correlation. There are still many skeptics about the interpretation of findings.<sup>37</sup>

### Microeconomic competitiveness

Microeconomic factors operate directly on firms in affecting productivity. These factors are influenced by multiple discrete stakeholders. Government is an important player, but many different agencies and administrative units at several levels of geography with differing degrees of autonomy, not just the central government, are involved in decision making and policy action. Companies, academic institutions, and many business associations and other mixed groups organized to facilitate collaborative action, are essential in defining the microeconomic environment in which business takes place.

Microeconomic factors are so numerous and multifaceted that simultaneous progress across all of them is

rarely feasible. Each country will have its own unique strengths and weaknesses. In any given country at a particular point in time, a subset of microeconomic conditions will represent the most pressing barriers to reaching higher levels of productivity.<sup>38</sup> At specific transitions, countries need to make many simultaneous changes across a broad number of policy areas to enter a new stage of economic development. Unless these evolving constraints to productivity are addressed, productivity growth will not occur. This logic reveals the mistake of competitiveness policies based on political ideology—for example, the “right” always arguing for lower taxes and more privatization, the “left” always arguing for more investments in skills and infrastructure. It also calls into question any theory that suggests generic answers to economic development rather than those tailored heavily by country. Because the constraints change over time, governments need to review and update priorities in intervals that might not coincide with the political cycle.

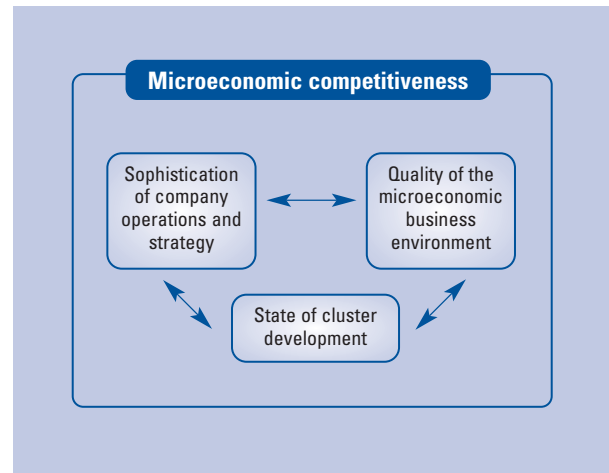
The New GCI framework distinguishes two broad areas of microeconomic competitiveness (Figure 4): the sophistication of company operations and the quality of the business environment. A third category—the state of cluster development (agglomeration economics)—is conceptually distinct, but data limitations preclude independent measurement. Cluster variables are included as part of the business environment. The microeconomic components of the New GCI builds on the foundations laid in the BCI of recent years.

*Company sophistication*, measured by company strategies and operational practices, is an area that has been largely neglected in the traditional literature on economic growth. Yet the productivity of a country is ultimately set by the productivity of its companies. An economy cannot be competitive unless companies operating there are competitive, whether they are domestic firms or subsidiaries of foreign companies. The heterogeneity of firm productivity within countries has a significant impact on overall productivity differences across countries.<sup>39</sup>

The productivity of companies depends in part on the sophistication with which companies compete. Productivity rises as a company improves the operational effectiveness of its activities and assimilates global best practices. Productivity also rises as companies achieve distinctive strategies, involving unique products and innovative means of production and service delivery. Conversely, competing using low factor input costs at low productivity methods does little to contribute to sustainable prosperity.

The productivity of companies is affected by corporate governance structures. The presence of large, highly diversified business groups, common in developing countries, can retard productivity because of lack of focus, monopoly power, and government favoritism. If business groups are instruments of market power or

**Figure 4: Microeconomic competitiveness**



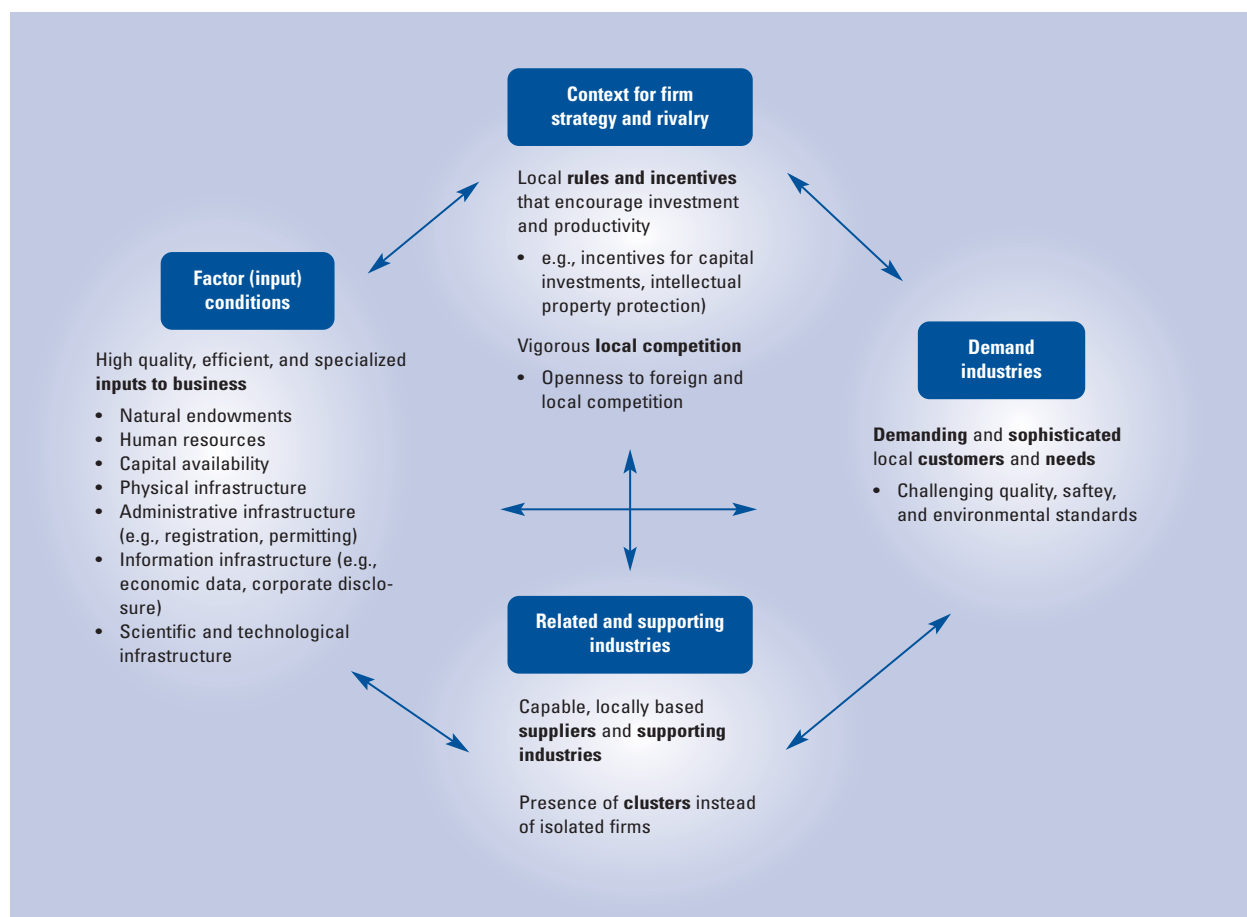
preferential political access, they can generate private profitability but hinder public prosperity.

Differences in the sophistication of company operations and strategy across countries have received scant coverage in the traditional empirical growth analysis. Company factors have been essentially taken as endogenous once business environment and macroeconomic factors were accounted for. Many standard models assume that best practices will be quickly implemented by profit-maximizing companies. But more recent analyses indicate significant differences in operating practices and capabilities, even across countries at similar stages of overall economic development. Researchers, notably those from a management or industrial organization tradition, have started to compare aspects of company sophistication across countries.<sup>40</sup> Yet there are still few datasets with broad country coverage in this area.

*Business environment quality* has a strong impact on the productivity of companies. More productive company strategies and operating practices require more highly skilled people, more efficient administrative infrastructure, improved physical infrastructure, better suppliers, more advanced research institutions, and more intense competitive pressure, and so on. A higher-quality business environment, including the presence of well-developed clusters, significantly affect the capabilities that a company can access, the competitive choices it can make, and the productivity that it can generate using its internal assets.

Moving to more sophisticated ways of competing depends on parallel improvements in the microeconomic business environment. The business environment can be understood in terms of four interrelated dimensions: the quality of factor (input) conditions, the context of rules in which for firm strategy and rivalry take place, the quality of local demand conditions, and the presence of the related and supporting industries, most strongly

Figure 5: Business environment quality: The diamond



Source: Porter, 1990.

represented by deep clusters.<sup>41</sup> Because of their graphical representation, the four areas have collectively become referred to as the “diamond” (see Figure 5).

Factor conditions have long been recognized as an important element affecting the productivity of companies. Physical infrastructure plays an important role in productivity, though there remains debate about the size of its effect.<sup>42</sup> Globalization and the resulting increase in trade flows have increased the demands on transportation and communication infrastructure for countries at all levels of development.

Efficient access to capital is important for companies to make long-term investments that raise productivity levels. A large literature has developed that analyzes the impact of financial market development on prosperity.<sup>43</sup> Some researchers focus on the role of equity markets while others address the availability of credit. Although there is no clear evidence that either bank- or equity-based financial systems are preferable, more-developed financial markets are conducive to growth.

Both the quantity of and quality of training and higher education in an economy has been found to have a positive impact on prosperity levels.<sup>44</sup> There is also increasing evidence that globalization has increased skill

premia in both advanced and developing economies.<sup>45</sup> But at the same time, there is no simple relation between increased spending on education and productivity: some countries have seen the share of people reaching higher education levels rise considerably over the last few decades, while productivity rates remain low.<sup>46</sup>

Science and technology infrastructure is important for productivity growth. In advanced economies, it becomes the source of new ideas that drive the frontier of knowledge outward. In countries further behind, it improves the absorptive capacity needed to draw on the knowledge others have already generated, thus enabling catch-up.<sup>47</sup> But innovative capacity is not only a matter of spending on research and development (R&D); microeconomic competitiveness has to be sufficiently high across many dimensions of business environment quality and company sophistication in order for R&D spending to generate more patenting and other innovative output.<sup>48</sup>

The impact of red tape (or the bureaucratic burden) and the costs associated with administrative practices have recently gained more systematic attention in studies of competitiveness.<sup>49</sup> The time spent dealing with public agencies reduces the overall productivity of companies

by reducing the returns on investment and limiting entry by new companies, often a key driver of productivity growth.

The context of rules and incentives that govern firm strategy and rivalry is an important influence on how companies draw on the factor conditions that they face. High levels of competition on local markets prove to be especially crucial for high performance.<sup>50</sup> Competition drives the entry of new firms, the exit of underperforming firms, and levels of performance differences across existing firms. Because competition is so central, the impact of government—through competition laws, tax incentives and subsidies, and the conditions governing state-owned or -related companies—is essential to productivity. The ownership structure of companies (private or state-owned; conglomerate) is another factor that is important for the type of competitive interaction.<sup>51</sup> Broader measures of the freedom to engage in economic activity are consistent with this view, but tend to mix a large number of different policy dimensions.<sup>52</sup>

A key aspect of context for strategy and rivalry is a country's openness to foreign trade and investment. Openness enables countries to exploit their comparative advantages, a direct boost to economy-wide productivity. It enables access to more advanced ideas and technology from abroad, and exposes local companies to higher levels of competitive pressure. The empirical literature on the impact of openness on long-term differences in productivity and growth, however, provides mixed results. A number of researchers have found a relationship between openness and prosperity growth,<sup>53</sup> or verified the role of trade with advanced economies, as a means to tap into the knowledge stock.<sup>54</sup> Other studies are equivocal and debate the specific data and econometric approach used.<sup>55</sup> Some suggest that it might be the interplay among openness and other factors, such as strong institutions, that creates the positive effects,<sup>56</sup> while others maintain that trade has an independent positive effect.<sup>57</sup>

Demand conditions have also received less consideration in the economics literature. Consumer protection and environmental regulation especially are normally seen as costly from the firm perspective; if more environmentally friendly products would fetch higher prices or lead to lower production costs, companies are assumed to have produced them without the need for regulation. The business literature has for some time argued that this is a simplistic view: with large amounts of uncertainty about future technologies, consumer needs, and regulations, stringent regulation that anticipates future changes in other markets can lead companies to make early investments in profitable technologies. And it is not unusual that these new technologies provide direct productivity benefits that companies had otherwise neglected.<sup>58</sup> In the management literature, there is also an increasing focus on the importance of

demanding lead customers as partners in the innovation process.

*Clusters* provide an intermediate unit of productivity drivers between the general business environment quality and firm level sophistication. Clusters are geographic agglomerations of companies, suppliers, service providers, and associated institutions in a particular field, linked by externalities and complementarities of various types.<sup>59</sup> Clusters, such as consumer electronics in Japan or high-performance cars in Germany, are often concentrated in a particular region within a larger nation, and sometimes in a single town. Clusters are a natural manifestation of the role of specialized knowledge, skills, infrastructure, and supporting industries in enhancing productivity.

Clusters play an increasing role in a global economy where the most competitive firms can serve wider markets unprotected by national borders. As competition has become more global, companies have more freedom to choose the location of their activities based on economic efficiency, not just market access.<sup>60</sup> Perhaps paradoxically, this has increased the importance of clusters as their productivity advantages become more important. National economies tend to specialize in a subset of clusters, in which they develop a particularly favorable business environment. Such clusters often account for a disproportionate share of a nation's traded output. Conversely, lower levels of regional specialization tend to be associated with lower levels of prosperity.<sup>61</sup>

The nature and depth of clusters varies with the state of development of the economy. In developing or emerging economies, clusters are less developed and firms perform relatively less advanced activities in the cluster.<sup>62</sup> Clusters normally lack many supporting industries and institutions. Firms compete primarily based on cheap labor or local natural resources, and depend heavily on imported components, machinery, and technology. Specialized local infrastructure and institutions, such as educational programs and industry associations, are absent or inefficient. In more advanced economies, clusters usually deepen to include suppliers of specialized inputs, components, machinery, and services; specialized infrastructure emerges from public and private investment; and institutions arise that provide specialized training, education, information, research, and technical support.

The role of the business environment in competitiveness has been addressed by an increasing number of empirical assessments over the last two decades. For example, the World Bank's Investment Climate Survey covers about 50 countries.<sup>63</sup> Other assessments cover regulations affecting business.<sup>64</sup> For smaller groups of industrial countries, the OECD has generated rich assessments of the business environment, from investments in R&D to product market regulation.<sup>65</sup> Statistical studies on clusters across regions and countries are emerging.<sup>66</sup>

The limited available data on clusters do not allow us to separate the role of clusters from the more general business environment that affects the economy more broadly. However, we included available cluster measures as parts of the national business environment in the New GCI.

### Stages of economic development

Successful economic development is a process of successive upgrading, in which a nation's business environment evolves to support and encourage increasingly sophisticated and productive ways of competing by firms (including subsidiaries of multinational corporations) located there. Nations at different levels of development face distinctly different competitiveness challenges, where the relative importance of different dimensions of microeconomic and macroeconomic competitiveness for sustainable prosperity is changing.

As nations develop, modes of competing and nature of competitive advantages move through several characteristic stages, though rates of progress and the specific development path will vary by country.<sup>67</sup> In the factor-driven stage, basic factor conditions such as low-cost labor and unprocessed natural resources represent the dominant basis of competitive advantage and sources of exports. Firms produce commodities or relatively simple products or components of products designed in other, more-advanced countries. Technology is assimilated through imports, supply agreements, foreign direct investment, and imitation. In this stage, companies compete on price and normally lack direct access to foreign consumers. Companies have limited roles in the value chain, focusing on assembly, labor-intensive manufacturing, and resource extraction. Factor-driven economies are highly sensitive to world economic cycles, commodity prices, and exchange rate fluctuations, mitigated only in very large countries such as China, which have a large internal market to attract investment independent of export potential.

In the investment-driven stage, a country's advantage comes from producing more advanced products and services highly efficiently. Heavy investment in efficient infrastructure, business-friendly government administration, strong investment incentives, improving skills, and better access to investment capital allow major improvements in productivity. The products and services produced are not globally differentiated, however, with technology and designs still largely coming from abroad. Technology is accessed through licensing, joint ventures, foreign direct investment, and imitation. Nations at this stage normally assimilate foreign technology but also begin to develop the capacity to improve technology themselves. Companies extend capabilities more widely in the value chain, and serve a wider mix of original equipment manufacturer (OEM) customers and end users. An investment-driven economy is concentrated on manufactured goods and outsourced service exports. It

remains susceptible to financial crises and external, sector-specific demand shocks, but competitiveness is more stable than in countries depending on commodity cycles and factor prices.

In the innovation-driven stage, the ability to produce innovative products and services at the global technology frontier using the most advanced methods becomes the dominant source of competitive advantage. The national business environment is characterized by strengths in all parts of the diamond, including sophisticated demand conditions and deep supporting industries. Competitiveness emerges in an array of clusters where knowledge, supporting industries, and specialized inputs are present. Institutions and incentives that enable innovation are well developed. Companies compete with unique strategies that are often global in scope. An innovation-driven economy is characterized by distinctive producers and a high share of services in the economy and is quite resilient to external shocks.

The sequential process of building interdependent microeconomic capabilities, improving incentives, evolving company strategies, and increasing rivalry creates important pitfalls in economic policy. The influence of one part of the business environment depends on the state of another. Lack of improvement in any important area can lead to a plateau in productivity growth and stalled development. Worse yet, key weaknesses in the diamond can undermine the entire economic reform process. For example, when well-trained college graduates cannot find appropriate jobs because companies are still competing based on cheap labor, a backlash against business is created. This analysis also begins to reveal why countries find the transition to a new stage of development so difficult. Such inflection points require wholesale transformation of many interdependent aspects of competition, not just marginal improvements in individual policy areas.

We incorporate stages of development into the New GCI to capture the fact that different determinants of competitiveness will be the binding constraints of countries' progress.

### Ranking competitiveness

The academic literature and previous indexes provide a foundation for the selection of indicators and guidance in developing an overall architecture for organizing them in an integrated framework. We include microeconomic factors because of our access to unique data.

Whether or not individual factors are included in the New GCI, and how strongly they are weighted in measuring competitiveness, is determined by the data. Our approach thus minimizes the role of conceptual priors and subjective assessments.

The robustness of the results of the New GCI to modifications in individual indicators and estimation procedures has been extensively tested. The aim is to



ensure that the New GCI is capturing basic insights about country performance, rather than artifacts of a single econometric approach or subjective weighting scheme. The findings are presented in a way that highlights the implications for decision makers in governments and companies.

### Data

The model draws on a wide range of data from the Executive Opinion Survey (more on the Survey in Chapter 2.1 in this *Report*) as well as extensive hard data and survey indicators from other internationally recognized data sources. The use of survey data in economic analysis is growing despite skepticism among some researchers. Our survey data are timely and offer many unique measures not otherwise available. The survey data used here are based on the *informed judgments of the actual participants* in the economies of the countries examined. These survey responses are important in their own right, because they reflect the attitudes of the decision makers that ultimately determine economic activity.

The data used for the development of the New GCI model cover 130 countries for up to 7 years (2001–07), the longest period possible given the data sources. The academic literature often examines longer time periods, but covers a far narrower set of indicators. In subsequent years, the stability of the model over longer time periods will be examined.

### Dependent variable

The New GCI model is derived from statistical estimations explaining GDP per capita adjusted for purchasing power, the best overall measure of prosperity.<sup>68</sup> Statistical testing using a clearly defined dependent variable is the only way to allow a rigorous development of the model, in contrast to arbitrary specification of indicators, data groupings, and weights that characterize most other index efforts.

GDP per capita is the broadest measure of national productivity and is strongly linked over time to a nation's standard of living. It is the best single, summary measure of competitiveness performance available across all countries.<sup>69</sup>

More direct measures of productivity, such as GDP per labor force, are desirable. However, they are not feasible given unreliable labor force data in many low income countries. Other measures, such as GDP per employee or GDP per hour worked, are useful indicators of productivity but fail to capture the ability of an economy to mobilize the overall workforce. Total Factor Productivity suffers from significant data limitations that compromise its ability to accurately measure capital utilization and skill accumulation across countries in a consistent manner.

### Endowments

GDP per capita will reflect a country's particular endowments (we term this "inherited prosperity"), not only its productivity in using these endowments ("created prosperity"). Controlling for endowments allows the New GCI to distinguish between prosperity and productivity, rather than co-mingling productivity with resource abundance.

Natural endowments can have an indirect impact on competitiveness if they encourage specific policy choices that benefit or harm macroeconomic or microeconomic competitiveness. The New GCI model makes it possible to distinguish the direct (positive) prosperity effect of natural endowments from their indirect (potentially negative) effect on competitiveness.

The New GCI controls for natural resources endowments by using per capita unprocessed natural resource exports. The revenues from natural resource exports constitute a direct source of prosperity. Endowments in terms of geographical location are captured by the percentage of land area within 100 kilometers of ice-free coast or navigable rivers as a control for location. Direct access to maritime transport allows countries to fully engage in global trade without the need for a transit country. The academic literature also examines the impact of being close to the equator as a locational influence, and as a proxy for exposure to tropical diseases. We recognize this potential, but measure instead the effectiveness of the policy responses to them (e.g., health system effectiveness) elsewhere in the model.

The size of a country can also be seen as an endowment. Larger countries might more easily attract investment just because of their local market potential, even if they are not more competitive. Size might also foster economies of scale in areas such as R&D. We include population size as a control, instead of size of GDP. GDP size is the result of competitiveness, not an independent measure.

### Competitiveness indicators

Many things matter for competitiveness, and consequently a wide range of data is incorporated into the model. Because the model is designed to guide specific action priorities for countries, multiple indicators are used even if they are highly correlated in the overall sample. Although indicators may be correlated overall, individual countries often lead or lag in particular policies that are salient for designing development priorities. This inclusion of many variables differentiates the GCI model from many models in the academic literature that aim to identify the minimum number of indicators that explain prosperity.

The selection of indicators is pragmatic. Candidate indicators are identified that capture aspects suggested by theory. The New GCI model requires the availability of recurring annual data for a very large number of

countries, in contrast to a one-time analysis covering a limited number of countries.

Each indicator is then tested for a statistically significant relationship to GDP per capita adjusted by purchasing power (log), controlling for endowments (see Table 1).<sup>70</sup> Some of the indicators that are most strongly correlated with GDP per capita include mobile phone and fixed line penetration, regulatory quality, the quality of electricity supply, and per capita patenting in the United States. Such indicators capture basic or advanced dimensions of the microeconomic business environment. Conversely, indicators of MP exhibit the weakest correlations with prosperity.

In selecting indicators, two areas of policy—taxation and labor market regulations—deserve special discussion because they have no simple linear relationship to prosperity. Taxation levels tend to be higher in countries with stronger institutions and that invest more heavily in public infrastructure and education. This endogenous positive effect of effective spending on competitiveness is econometrically hard to distinguish from the direct negative incentive effect of higher taxation. In the model, we include direct measures of the incentive effect and the administrative burden associated with taxation that are less affected by these problems, rather than the overall level of taxes in GDP.

The challenge with measuring labor market conditions is that labor markets tend to be more regulated in countries with highly developed institutions. Thus there is no simple relationship between the level of regulation and the actual level of labor market flexibility and work practices. Again, we use a direct measure of labor market flexibility, rather than broader institutional characteristics of the labor market.

### Grouping indicators

Because many things matter, countries often get bogged down in their efforts to improve competitiveness by tackling too many individual issues in parallel. The challenge is to identify those areas where action can unlock higher productivity at a given point in time. Priorities are country-specific and change over time.

The New GCI aims to offer a framework to inform overall policy while establishing priorities at the specific policy level. The model groups the numerous influences on competitiveness into categories that capture different mechanisms of influence. These groupings are organized hierarchically so that each part of the model sums to the whole (Figure 6). Other indexes tend to treat numerous variables independently, without an understanding of the how they relate to each other.

The **New Global Competitiveness Index (NGCI)** is the overall ranking of country competitiveness, incorporating all factors. The NGCI score is designed to be the best overall predictor of productivity across all countries.

At the second level, rankings are presented on **macroeconomic competitiveness** and **microeconomic competitiveness**. Macroeconomic competitiveness indicators create opportunities for productivity but are not sufficient for high productivity to emerge. Microeconomic competitiveness indicators have a direct impact on company productivity.

At the third level, rankings are presented on four subindexes of macroeconomic and microeconomic competitiveness. In the macroeconomic area, indicators of **macroeconomic policy (MP)** capture economic policies that have a strong impact on short-term fluctuations of economic activity and can have long-term consequences for productivity. **Social infrastructure and political institutions (SIPI)** collects indicators of more general human conditions and institutions. In the microeconomic area, subindexes cover the **sophistication of company operations and strategy (COS)** and the overall **quality of the national business environment (NBE)**.

At the fourth level, rankings are provided for subcategories of the third level. In the MP category, indicators are grouped by **fiscal policy** and **monetary policy**. In the SIPI category, indicators are grouped into **basic human capacity** (basic health and education), **political institutions** (decision making and efficiency of the executive), and the **rule of law** (corruption and efficiency of the legal process). In the NBE category, indicators distinguish the four elements of the diamond framework<sup>71</sup>—that is, **factor conditions**, **context for strategy and rivalry**, **demand conditions**, and **related and supporting industries/clusters**.

At the fifth level, some areas of microeconomic competitiveness are further differentiated into narrower subcategories to better target policy responses. Under factor conditions, indicators are grouped by **logistical infrastructure**, **communications infrastructure**, **administrative infrastructure**, **capital market infrastructure**, and **innovation infrastructure**. Under COS, indicators are grouped by **strategy and operational effectiveness**, **organizational practices**, and **internationalization of firms**.

In most cases, the allocation of individual indicators to categories is clear (see Table 1). For a limited number of indicators, however, the allocation of a particular measure requires a judgment based on the nature of the indicator's primary effect on competitiveness together with its statistical properties.<sup>72</sup> For *education*, primary education is allocated to SIPI (macroeconomic competitiveness) while the quantity and quality of advanced and specialized levels of education are allocated to the NBE (microeconomic competitiveness). We view primary education as a broad indicator of the ability of individuals to participate in society, and a foundation for further education and skill development. For *trade barriers*, all indicators, including the average tariff rate on imports, are allocated to NBE. Trade barriers are primarily an

**Table 1: Relationship of indicators to GDP per capita (log) while controlling for endowments**

Regression on GDP per capita, PPP-adjusted (log)		Regression on GDP per capita, PPP-adjusted (log)		
	Beta	R <sup>2</sup>	Beta	R <sup>2</sup>
<b>Microeconomic competitiveness (MICRO)</b>				
<b>Company operations and strategy (COS)</b>				
<i>Strategy and operational effectiveness</i>				
Firm-level technology absorption.....	0.558	0.717		
Company spending on R&D.....	0.487	0.729		
Nature of competitive advantage.....	0.440	0.745		
Value chain breadth.....	0.492	0.784		
Capacity for innovation.....	0.512	0.761		
Production process sophistication.....	0.615	0.817		
Extent of marketing.....	0.623	0.770		
Degree of customer orientation.....	0.660	0.748		
<i>Organizational practices</i>				
Extent of staff training.....	0.501	0.729		
Willingness to delegate authority.....	0.450	0.703		
Extent of incentive compensation.....	0.538	0.707		
Reliance on professional management.....	0.341	0.665		
<i>Internationalization of firms</i>				
Prevalence of foreign technology licensing.....	0.474	0.691		
Control of international distribution.....	0.709	0.739		
Extent of regional sales.....	0.404	0.710		
Breadth of international markets.....	0.484	0.775		
<b>Factor (input) conditions</b>				
<i>Logistical infrastructure</i>				
Quality of roads.....	0.371	0.759		
Quality of railroad infrastructure.....	0.306	0.745		
Quality of port infrastructure.....	0.351	0.728		
Quality of air transport infrastructure.....	0.421	0.731		
Quality of electricity supply.....	0.463	0.812		
Quality of domestic transport network: business.....	0.571	0.791		
<i>Communications infrastructure</i>				
Quality of telephone infrastructure.....	0.456	0.777		
Internet access in schools.....	0.471	0.816		
Mobile telephone subscribers per 100 population.....	0.023	0.833		
Personal computers per 100 population.....	0.026	0.773		
Internet users per 100 population.....	0.031	0.774		
Telephone lines per 100 population.....	0.036	0.848		
<i>Administrative infrastructure</i>				
(Low) Burden of customs procedures.....	0.497	0.741		
(Low) Burden of government regulation.....	0.364	0.659		
Ease of starting a new business.....	0.317	0.668		
(Low) Number of procedures required to start a business.....	0.076	0.660		
(Low) Time required to start a business.....	0.381	0.682		
Doing Business, Paying Taxes (Low) Payments number (WB) <sup>a</sup> .....	0.016	0.681		
<i>Capital market infrastructure</i>				
Regulation of securities exchanges.....	0.384	0.729		
Financial market sophistication.....	0.424	0.749		
Soundness of banks.....	0.326	0.673		
Ease of access to loans.....	0.490	0.722		
Venture capital availability.....	0.509	0.732		
Financing through local equity market.....	0.242	0.664		
Protection of minority shareholders' interests.....	0.287	0.652		
Doing Business, Getting Credit Legal rights index (WB) <sup>b</sup> .....	0.089	0.637		
Domestic credit to private sector (WB) <sup>c</sup> .....	0.009	0.741		
<i>Innovation infrastructure</i>				
Quality of scientific research institutions.....	0.448	0.709		
University-industry research collaboration.....	0.488	0.727		
Quality of the educational system.....	0.383	0.706		
Quality of math and science education.....	0.363	0.698		
Quality of management schools.....	0.453	0.706		
Availability of scientists and engineers.....	0.469	0.707		
(Low) Brain drain.....	0.469	0.740		
Tertiary enrollment.....	0.022	0.742		
Utility patents per million population.....	0.256	0.825		
<b>Demand conditions</b>				
Government procurement of advanced technology products.....	0.493	0.681		
Government success in ICT promotion.....	0.318	0.659		
Laws relating to ICT.....	0.532	0.763		
Buyer sophistication.....	0.540	0.762		
Presence of demanding regulatory standards.....	0.569	0.784		
Stringency of environmental regulations.....	0.426	0.735		
<b>Supporting and related industries and clusters</b>				
Availability of latest technologies.....	0.485	0.775		
Local supplier quantity.....	0.778	0.756		
Local supplier quality.....	0.685	0.787		
<b>Microeconomic competitiveness (MICRO) (cont'd.)</b>				
Local availability of process machinery.....	0.600	0.779		
Local availability of specialized research and training services.....	0.617	0.763		
State of cluster development.....	0.541	0.720		
Extent of collaboration in clusters.....	0.506	0.755		
Extent of cluster policy.....	0.417	0.712		
<b>Context for strategy and rivalry</b>				
Cooperation in labor-employer relations.....	0.388	0.663		
Pay and productivity.....	0.463	0.687		
FDI and technology transfer.....	0.181	0.623		
Quality of competition in the ISP sector.....	0.441	0.723		
(Low) Impact of taxation on incentives to work and invest.....	0.185	0.632		
(Low) Distortive effect of taxes and subsidies on competition.....	0.455	0.679		
Intellectual property protection.....	0.422	0.753		
Restrictions on capital flows.....	0.306	0.724		
Strength of auditing and reporting standards.....	0.447	0.706		
Prevalence of trade barriers.....	0.631	0.730		
Prevalence of foreign ownership.....	0.331	0.652		
Business impact of rules on FDI.....	0.371	0.653		
Intensity of local competition.....	0.661	0.723		
Effectiveness of antitrust policy.....	0.459	0.723		
(Low) Extent of market dominance (by business groups).....	0.447	0.707		
Efficacy of corporate boards.....	0.349	0.645		
Low market disruption from state-owned enterprises.....	0.430	0.723		
Strength of investor protection.....	0.128	0.641		
(Low) Rigidity of employment.....	0.004	0.619		
Regulatory quality.....	0.851	0.841		
(Low) Tariff rate.....	0.067	0.695		
<b>Social infrastructure and political institutions (SIPI)</b>				
<i>Human capacity</i>				
Quality of primary education.....	0.410	0.755		
Quality of healthcare services.....	0.345	0.773		
Accessibility of healthcare services.....	0.429	0.768		
Health expenditure.....	0.129	0.677		
Life expectancy.....	0.068	0.793		
(Low) Malaria incidence.....	0.111	0.753		
(Low) Tuberculosis incidence.....	0.413	0.743		
(Low) Infant mortality.....	0.023	0.762		
Primary enrollment.....	0.027	0.660		
Secondary enrollment.....	0.025	0.770		
<i>Political institutions</i>				
Effectiveness of law-making bodies.....	0.319	0.687		
Public trust of politicians.....	0.301	0.697		
(Low) Wastefulness of government spending.....	0.363	0.678		
(Low) Favoritism in decisions of government officials.....	0.377	0.692		
Government effectiveness in reducing poverty and inequality.....	0.329	0.687		
Transparency of government policymaking.....	0.333	0.669		
Decentralization of economic policymaking.....	0.334	0.674		
Freedom of the press.....	0.341	0.694		
Voice and Accountability (WB) <sup>d</sup> .....	0.605	0.742		
<i>Rule of law</i>				
Reliability of police services.....	0.350	0.724		
(Low) Business costs of crime and violence.....	0.308	0.712		
(Low impact of) Organized crime.....	0.272	0.675		
Judicial independence.....	0.303	0.715		
Efficiency of legal framework.....	0.331	0.710		
Property rights.....	0.451	0.745		
(Low occurrence of) Diversion of public funds.....	0.379	0.749		
(Low occurrence of) Irregular payments by firms.....	0.549	0.782		
(Low) Business costs of corruption.....	0.457	0.739		
Ethical behavior of firms.....	0.511	0.727		
Control of Corruption (WB) <sup>e</sup> .....	0.612	0.798		
Rule of Law (WB) <sup>f</sup> .....	0.678	0.811		
<b>Macroeconomic policy (MP)</b>				
Government surplus/deficit.....	0.094	0.631		
Government debt.....	0.068	0.615		
Inflation.....	0.355	0.707		
Interest rate spread.....	0.526	0.700		

a World Bank 2008b.

b World Bank 2008b.

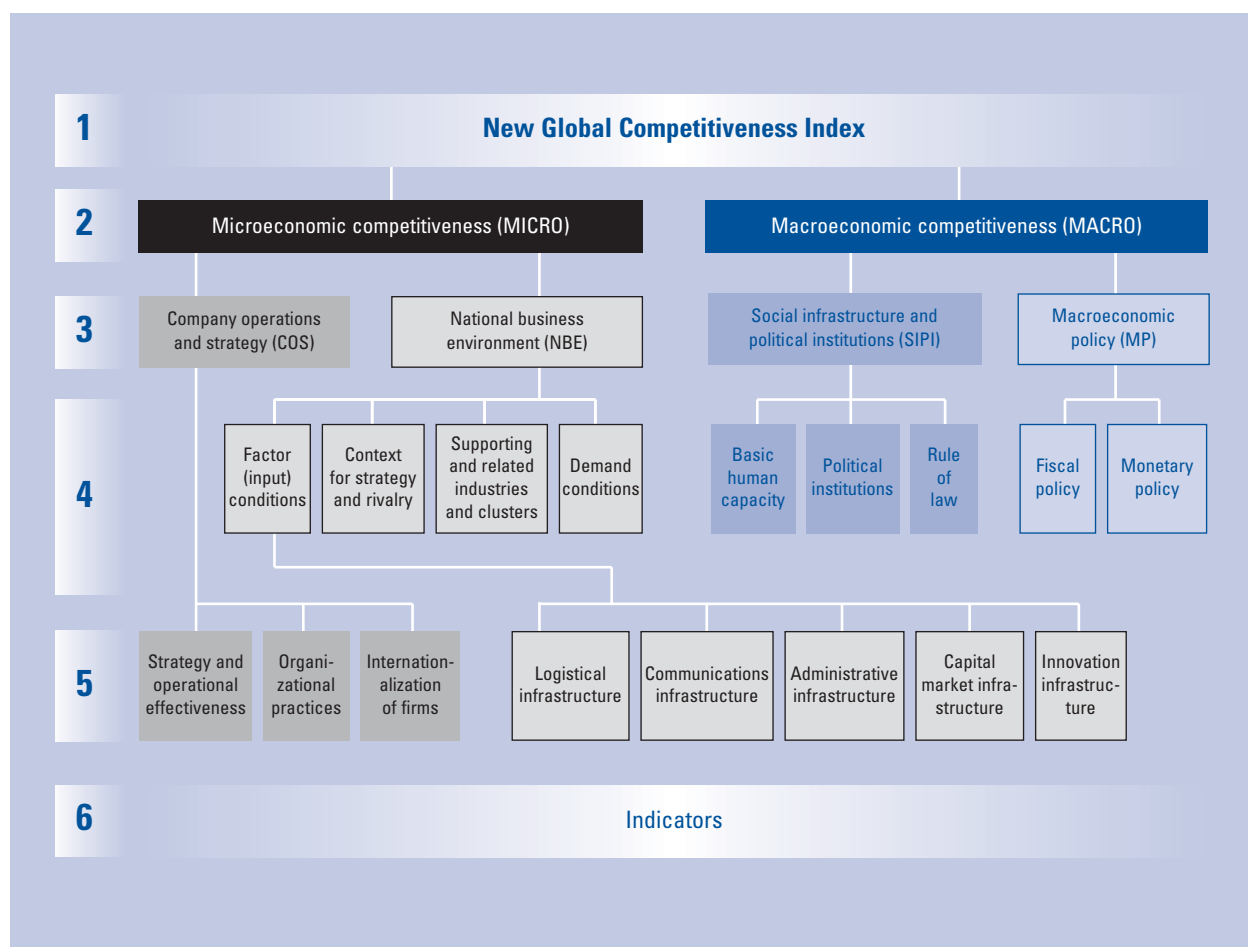
c World Bank, World Development Indicators.

d World Bank governance indicator. See Kaufmann et al. 2008.

e World Bank governance indicator. See Kaufmann et al. 2008.

f World Bank governance indicator. See Kaufmann et al. 2008.

Figure 6: Six levels of measurement



indicator of the competitive pressure from foreign rivals, even though they are also relevant as a measure of general openness of an economy. The direct relationship of tariff rates to productivity of firms is akin to other indicators in the NBE, in contrast to the more general MP indicators. For *taxation*, measures of taxation effectiveness are also allocated to the NBE. Although it has a relation to fiscal policy (MP), effective taxation mechanisms are best seen as an indicator of general administrative infrastructure.

### Stages of development

To reach higher levels of economic development, countries experience systematic changes in the relative importance of different aspects of competitiveness for prosperity. Understanding these broad patterns is important in understanding the challenges faced by policymakers in a given country.

The New GCI model uses SIPI as a proxy for overall stage of economic development. Countries are ranked by their average SIPI score (using 2001–07 data) as well as by their score for each of the three SIPI components (human capacity, rule of law, and political stabil-

ity). The countries falling into the top tercile for each of the SIPI components as well as the aggregate SIPI measure are assigned to the high stage of development group. Countries that fall into the top tercile for the overall SIPI index or its human capacity component (a group of indicators that is particularly robust to short-term policy changes) but rank lower on other SIPI components are assigned to the middle group. The remaining countries are assigned to the low stage of development group.<sup>73</sup>

A country's SIPI score provides a good indication of the opportunities of companies to compete at more sophisticated levels. More developed social infrastructure and political institutions make it more likely that companies can compete on efficiency or even on innovation. Weaknesses in SIPI, in contrast, often relegate companies to compete on resources or cheap labor.

Other indicators of development stage are possible, but testing reveals that using SIPI is the most revealing statistically. A number of studies have used GDP per capita to identify country groups, but we reject this because defining subgroups using the dependent variable introduces a serious estimation bias.

**Table 2: Countries by stage of development**

HIGH		MIDDLE	LOW		
Australia	Spain	Bahrain	Albania	Georgia	Nigeria
Austria	Sweden	Brunei Darussalam	Algeria	Ghana	Pakistan
Barbados	Switzerland	Chile	Argentina	Guatemala	Panama
Belgium	Taiwan, China	Costa Rica	Armenia	Guyana	Paraguay
Canada	Tunisia	Czech Republic	Azerbaijan	Honduras	Peru
Cyprus	United Kingdom	Hungary	Bangladesh	India	Philippines
Denmark	United States	Jordan	Benin	Indonesia	Poland
Estonia		Korea, Rep.	Bolivia	Jamaica	Romania
Finland		Kuwait	Bosnia and Herzegovina	Kazakhstan	Russian Federation
France		Latvia	Botswana	Kenya	Senegal
Germany		Malaysia	Brazil	Kyrgyz Republic	Serbia
Greece		Mauritius	Bulgaria	Lesotho	South Africa
Hong Kong SAR		Montenegro	Burkina Faso	Libya	Sri Lanka
Iceland		Oman	Burundi	Lithuania	Suriname
Ireland		Puerto Rico	Cambodia	Macedonia, FYR	Syrian Arab Republic
Israel		Saudi Arabia	Cameroon	Madagascar	Tajikistan
Italy		Slovak Republic	Chad	Malawi	Tanzania
Japan		United Arab Emirates	China	Mali	Thailand
Luxembourg		Uruguay	Colombia	Mauritania	Timor-Leste
Malta			Côte d'Ivoire	Mexico	Trinidad and Tobago
Netherlands			Croatia	Moldova	Turkey
New Zealand			Dominican Republic	Mongolia	Uganda
Norway			Ecuador	Morocco	Ukraine
Portugal			Egypt	Mozambique	Venezuela
Qatar			El Salvador	Namibia	Vietnam
Singapore			Ethiopia	Nepal	Zambia
Slovenia			Gambia, The	Nicaragua	Zimbabwe

### Estimating the New GCI model

The appropriate weighting of individual indicators in determining overall competitiveness is a crucial part of any index model.<sup>74</sup> The New GCI model calculates weights based on a regression of the pooled dataset on country GDP per capita. The stability of the model is tested by reallocating individual indicators and assessing the stability of the weights and the overall score. Other similar indexes have almost invariably set weights based on subjective priors based on the literature. Yet differences in opinion in the academic literature leave the door open for different choices that can compromise the resulting rankings.

The New GCI is generated in a two-stage process. First, the weights for aggregating individual indicator scores to an overall country score are obtained using panel data for over 130 countries and up to 7 years (2001–07). The weights obtained from estimating the model are going to be kept constant over time. Additional years of data will be used to check the stability of the model over time. Second, the index score for a particular country in a given year is calculated by summing its weighted indicator values.

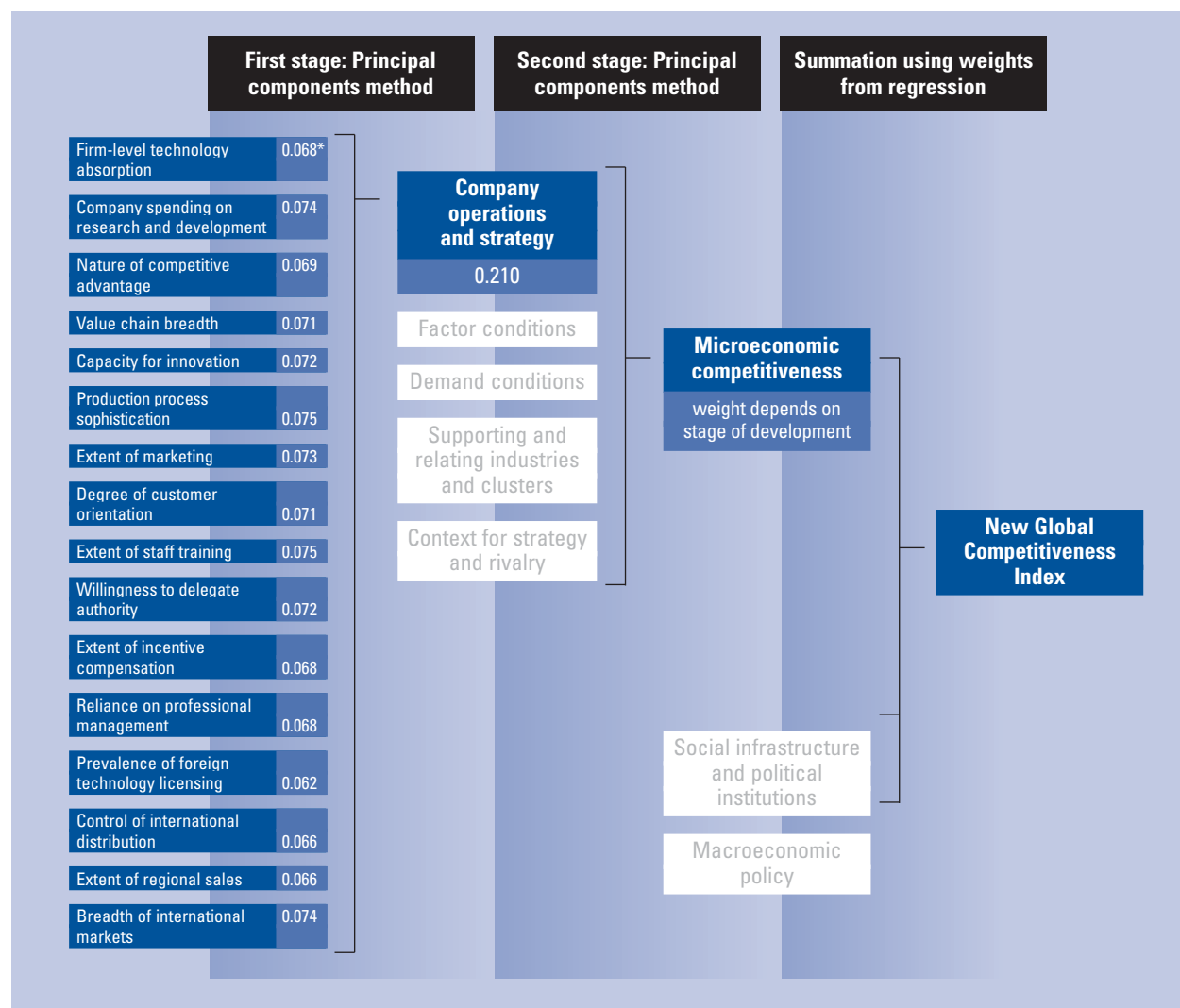
The New GCI model uses principal component analysis (PCA) to aggregate individual indicators (or categories of indicators). The premise of the PCA method is that within a “conceptual category,” indicators

are highly correlated and related to the underlying phenomenon that is being measured. Within the area of microeconomic competitiveness, the degree of correlation between indicators is very high. The New GCI model thus applies a two-step PCA procedure. First, a separate aggregation is computed for COS and for each of the four components of the NBE. Second, these five components are aggregated into an overall score for microeconomic competitiveness.<sup>75</sup> Figure 7 provides a sample calculation, showing the specific scores calculated for the indicators in company operations and strategy using the current specification of the new GCI model.

Within the area of macroeconomic competitiveness, the degree of correlation between indicators is relatively high within SIPI and MP but not across them, because they capture distinct concepts. The new GCI model thus uses PCA to calculate a score for SIPI and a score for MP, but does not use PCA for further aggregation.

The second step in computing the New GCI is to measure the contribution to country competitiveness of MICRO, SIPI, and MP. We specify a comprehensive regression that uses GDP per capita purchasing power adjusted (log) as the dependent variable, with scores for MICRO, SIPI, and MP for each country and year as the main explanatory variables, controlling for with endowments and year effects. The model allows the coefficients to vary by country stages of development by interacting

Figure 7: Calculation of the New GCI: Sample results



\* Numbers shown are weights.

the explanatory variables with a dummy indicating the country's stage (see the section on "Stage of development").<sup>76</sup> The core econometric specification is as follows:

$$\begin{aligned} \log \text{GDPpc}_{c,t} = & \alpha_0 + \delta \text{HIGH-SIPI}_c + \beta_{\text{MICRO}} \text{MICRO}_{c,t-1} \\ & + \delta_{\text{MICRO}} \text{HIGH-SIPI}_c \times \text{MICRO}_{c,t-1} \\ & + \beta_{\text{SIPI}} \text{SIPI}_{c,t-1} + \delta_{\text{SIPI}} \text{HIGH-SIPI}_c \times \text{SIPI}_{c,t-1} \\ & + \beta_{\text{MP}} \text{MP}_{c,t-1} + \delta_{\text{MP}} \text{HIGH-SIPI}_c \times \text{MP}_{c,t-1} \\ & + \alpha_{\text{END}} \text{ENDOWMENTS}_{c,t-1} \\ & + \delta_{\text{END}} \text{HIGH-SIPI}_c \times \text{ENDOWMENTS} \\ & + \alpha_t \text{year}_t + \delta_t \text{HIGH-SIPI}_c \times \text{year}_t + \varepsilon_{c,t} \end{aligned}$$

The estimated coefficients are then scaled into weights for microeconomic competitiveness, SIPI, and MP that vary for low-, middle-, and high-SIPI countries. Table 3 reports the weights derived with the current specification of the model.<sup>77</sup>

**Table 3: Subindex weights by countries' stage of development**

Subindex	Stage of development			Linear model (all economies)
	Low (%)	High (%)	Medium (%)	
MICRO	0.21	0.48	0.35	0.31
SIPI	0.49	0.36	0.42	0.41
MP	0.30	0.16	0.23	0.28
	1.00	1.00	1.00	1.00

The New GCI model explains 85 percent of the variation of prosperity across countries, a remarkable result in such a dataset covering a large number of countries at highly varying levels of economic development. It shows, for the first time, that both microeconomic and macroeconomic competitiveness have an independent effect on productivity, even when controlling for the other. Many previous analyses have looked at individual measures without putting them in a broader framework.

The growth literature, in particular, has tended to argue that macroeconomic competitiveness, especially institutional factors (SIPI in the New GCI model), dominate and predict differences not only in prosperity but also in microeconomic competitiveness. Instead, the New GCI results support an independent role for each of them.

The weights of the broad drivers of competitiveness change systematically across stages of development. At lower levels of development, SIPI matter most, followed by MP, followed by microeconomic competitiveness. At higher levels of development, microeconomic competitiveness dominates, followed by SIPI and then MP.

### Calculating and interpreting the Index

For each country, the calibrated weights are applied to the set of indicator values to generate an overall Index score,<sup>78</sup> as well as scores for each broad category, subcategory, and narrow subcategory of competitiveness determinants.

The overall New GCI ranking provides a powerful summary of each country's competitiveness relative to peers. The patterns of strengths and weaknesses across the different categories of competitiveness provide robust information with which to set country-specific action priorities.

Changes in the New GCI ranking and indicator scores provide an important insight into a country's competitiveness trajectory over time. The relationship among the New GCI score, endowment controls, and actual GDP per capita level bear on the sustainability of a country's prosperity. Prosperity levels that are explained neither by competitiveness nor endowments are a cause for concern. Such levels may well be the consequence of short-term growth spurts with, for example, high consumption or investment in areas such as real estate that are not sustainable over time. Prosperity levels that are largely driven by endowments, especially natural resource deposits, suggest specific steps to overcome the negative economic and policy risks associated with inherited wealth in hindering future competitiveness.

The relationship of the New GCI score to other economic performance indicators, such as wages, provides further insights. Competitiveness depends not on costs, but on productivity. The prevailing wages relative to competitiveness will make a country more or less attractive as an investment location. Low wages can be a sign of low competitiveness, instead of a competitive advantage. High wages, if they are justified by high productivity, mean that a country represents an excellent value as a business location. Some countries have wages that are significantly above or below the expected wage level given the country's New GCI value. This can occur for a variety of reasons, ranging from strong unions and inflexible labor markets to recent competitiveness improvements that run ahead of wage increases.

### Comparing the New GCI with the current Index

The New GCI model builds on the foundations in previous years' GCI as well as the BCI.<sup>79</sup> The overall rankings derived in our preliminary application of the New GCI model are broadly similar to the current GCI, underlining the continuity of the methodology. However, differences exist and are revealing in many ways.

The largest single source of rank differences between the New GCI and the current Index is the higher weighting in the New GCI associated with macroeconomic competitiveness. This greater importance is derived from the actual data. For the most advanced economies, macroeconomic competitiveness (SIPI and MP) together account for about 45 percent of the overall New GCI score, compared with 23 percent in the current GCI. For developing economies, the change is even more pronounced, with macroeconomic competitiveness accounting for 83 percent vs. 38 percent in the current model. Macroeconomic factors, especially institutional strength, have been identified in the literature as an important element of long-term prosperity differences and this importance is revealed in our regressions.

Another important difference is the role of market size. Market size, which accounted for between 6 and 8 percent of the overall score in the current GCI, is now included as a control rather than as a dimension of competitiveness. Market size can have an impact on productivity and lead to FDI inflows above the level otherwise expected, especially when the market is very large. But, as previously discussed, the literature on this point has not come to conclusive results. China, Brazil, and India will be ranked lower on competitiveness because they do not get a bonus for country size independent from their fundamental conditions.

The New GCI model also utilizes an improved set of indicators in the MP area compared to the current macroeconomic pillar. The most important change is that the savings rate is no longer included in the model, since the growing globalization of financial markets makes it increasingly less realistic that the local savings rate determines the amount of capital available.<sup>80</sup> These changes have a limited impact on the overall rankings. The United States will rank higher in the new MP area than in the current macroeconomic pillar, for example, largely because it is no longer penalized for its low savings rate.

Finally, the New GCI weights the aspects of microeconomic competitiveness based on the data. For example, the current GCI model gave about 60 percent of the overall business environment weight to measures of factor conditions, largely because there were more indicators available in this area. The New GCI, with no priors about the relative weights, has a lower influence of factor conditions. The impact of the weighting differences on the overall ranking is modest.

## Conclusion

The *Global Competitiveness Report* has long been an important tool for measuring competitiveness across countries. Our decision to develop a new approach for calculating the Global Competitiveness Index reflects our desire for excellence. The ambition to continuously integrate new thinking must be balanced with the need for a framework that has the stability needed for consistent rankings and to earn the trust of policymakers and the wider public. Hence we will introduce the New GCI in 2009, after almost two years of testing and refinement. As we finalize the New GCI, we will seek input from policymakers, business leaders, and scholars to ensure that the New GCI not only meets the highest standards of academic research but also serves the needs of practitioners.

The New GCI promises to reveal important new insights into the causes of competitiveness. It will disentangle the relationships between prosperity, endowments, and competitiveness, giving countries a way to separate the impact of externally given conditions from their own policy choices. It will help countries to identify whether macroeconomic or microeconomic competitiveness, each of which requires a very different policy process, should be at the forefront of policy action.<sup>81</sup> And it will give individual countries better insights into their relative strengths and weaknesses, their position compared with that of their peers, and their trajectory over time. All of these are critical elements for prioritizing policy actions in a way that targets the unique challenges any country faces at a given point in time.

## Notes

- 1 Ciccone and Jarocinski 2008.
- 2 Unit labor costs (wages relative to labor productivity), a measure often used by international financial institutions, is a misleading indicator of competitiveness. It is helpful to understand the capacity for exports, much more so than pure wage costs per se. But it does not have an unambiguous relationship to prosperity and is often used to motivate policies that manage wages rather than raise productivity.
- 3 Solow 1956.
- 4 Romer 1990; Lucas 1988; see also Warsh 2006.
- 5 See, for example, Sala-i-Martin et al. 2004; Levine and Renelt 1992; Easterly 2001; Sala-i-Martin 1997; Mankiw et al. 1992; and Barro 1991.
- 6 Rodrik 2008; World Bank 2008a; Easterly 2008; Rodrik 2007; and World Bank 2005.
- 7 Mankiw et al. 1992.
- 8 Papyrakis and Gerlagh 2004; Sachs and Warner 2001, 1999.
- 9 Arezki and van der Ploeg 2007; Gylfason et al. 1997.
- 10 Gallup et al. 1998.
- 11 OECD 2008a; Boulhol et al. 2008.
- 12 Gallup et al. 1998; Nordhaus 1994.
- 13 Alesina et al. in Aghion and Durlauf 2005.
- 14 Brühlhart and Sbergami 2008.
- 15 Fischer 1993.
- 16 Acemoglu et al. 2001; Hall and Jones 1999.
- 17 Fischer 1993.
- 18 Williamson 1990.
- 19 Mourmouras and Rangazas 2008.
- 20 Johansson et al. 2008.
- 21 Acemoglu et al. 2003.
- 22 Levine and Renelt 1992; Temple 2000; Barro 2002b.
- 23 Goodfriend 2007.
- 24 North 1990.
- 25 Kaufmann et al. 2008.
- 26 Rodrik 2006.
- 27 Sachs 2005.
- 28 Lorentzen et al. 2008; Weil 2007.
- 29 Persson and Tabellini 2007; Persson 2005; Brunetti 2002; Tavares and Wacziarg 2001; Barro 1996.
- 30 Bremmer 2006; Wacziarg and Rodrik 2005; Glaeser et al. 2004.
- 31 La Porta et al. 1998.
- 32 de Soto 2000.
- 33 Pelligrini and Gerlagh 2004; Mauro 1995; Shleifer and Vishny 1991.
- 34 Collier 1999.
- 35 Stone 2006.
- 36 Rodrik et al. 2004; Glaeser et al. 2004; Acemoglu et al. 2001; Hall and Jones 1999; La Porta et al. 1998.
- 37 Auer 2008; Dixit 2007.
- 38 Hausmann et al. 2005.
- 39 Alfaro et al. 2008.
- 40 Bloom and van Reenen 2007; Porter and Ketels 2003.
- 41 Porter 1990.
- 42 Calderon and Servén 2004; Garcia-Milà et al. 1996; Gramlich 1994; Aschauer 1989.
- 43 Ang 2008; Aghion et al. 2007; Levine 2005a; King and Levine 1993; Rajan and Zingales 1998.
- 44 Barro 2002a; Krueger and Lindahl 2001.
- 45 Council on Competitiveness 2007; Goldberg and Pavcnick 2007.
- 46 Easterly 2001.
- 47 Griffith et al. 2004; Jones 1995; Coe and Helpman 1995; Fagerberg 1994; Lichtenberg 1992.
- 48 Furman et al. 2002.
- 49 World Bank 2008b; Ciccone and Papaioannou 2007; Conway et al. 2005; Nicoletti and Scarpatta 2003.
- 50 Carlin et al. 2005; Lewis 2004; Porter and Sakakibara 2004; Nickell 1996.
- 51 Megginson and Netter 2001.
- 52 Heritage Foundation 2008; Gwartney and Lawson 2007; De Haan et al. 2006; Berggren 2003.
- 53 Baldwin 2003; Dollar and Kraay 2002; Frankel and Romer 1999; Sachs and Warner 1995.
- 54 Coe and Helpman 1995.
- 55 Rodrigues and Rodrik 2000.
- 56 Dollar and Kraay 2003.
- 57 Alcalá and Ciccone 2004.
- 58 Porter and van der Linde 1995; Jaffe 1995.
- 59 Porter 1998b; Porter 1990.



- 60 Berger 2006.
- 61 Delgado et al 2007.
- 62 Ketels and Sölvell 2006.
- 63 In 29 of these countries in Eastern Europe, Central Asia, and Turkey, the survey was conducted jointly with the EBRD as the EBRD-World Bank Business Environment and Enterprise Performance Survey (BEEPS).
- 64 World Bank 2008a; Heritage Foundation 2008; Gwartney and Lawson 2007.
- 65 Conway et al. 2005.
- 66 See Institute for Strategy and Competitiveness 2008; Institute for Competitiveness and Prosperity 2008; and Center for Strategy and Competitiveness 2008.
- 67 Porter 1990.
- 68 We used this approach already in developing the BCI.
- 69 In the case of Ireland, we used GNP instead of GDP because of the size of dividend outflows to foreign investors. Ireland's GDP is about 20 percent higher than its GNP.
- 70 All results reported here and later in the chapter are for the current definition of indicators and the current specification of the model. While these specific results might change with further refinements of the model, we want to share the current results to enable a meaningful debate about our approach.
- 71 Porter 1990.
- 72 We have tested these choices statistically and found the overall ranking is highly stable to recategorization of specific indicators.
- 73 Exceptions of countries that come close to these cut-offs and are still assigned to the middle group are Latvia, Mauritius, and Saudi Arabia. In addition, Italy and Greece are assigned to the high group because they are EU members even though they fail the SIPI test. Brunei is assigned to the middle group because of its focus on natural resources; it otherwise meets the high SIPI test.
- 74 Lall 2001.
- 75 In order to measure microeconomic competitiveness, we aggregate COS and the four components of the NBE using PCA. Using the factor analysis, each component gets roughly the same weight. Specifically, the microeconomic competitiveness of country  $c$  in year  $t$  is computed as follows:

$$\begin{aligned} \text{MICRO}_{ct} = & 0.21 \times \text{COS}_{ct} + 0.21 \times \text{NBE-Factor Conditions}_{ct} \\ & + 0.21 \times \text{NBE-Demand}_{ct} \\ & + 0.20 \times \text{NBE-Related Industries}_{ct} \\ & + 0.20 \times \text{NBE-Context}_{ct} \end{aligned}$$

- 76 While a model that takes into account country stages is our goal, a linear model that generates meaningful results is an important test for the stability of the approach. Thus we also estimate the following linear model to have a useful benchmark:

$$\begin{aligned} \log \text{GDPpc}_{ct} = & \alpha_0 + \beta_{\text{MICRO}} \text{MICRO}_{c,t-1} + \beta_{\text{SIPI}} \text{SIPI}_{c,t-1} \\ & + \beta_{\text{MP}} \text{MP}_{c,t-1} + \alpha_{\text{END}} \text{ENDOWMENTS}_{c,t-1} \\ & + \alpha_1 \text{year}_t + \varepsilon_{ct} \end{aligned}$$

- 77 For the regression, countries in the first tercile of SIPI ranks are assigned to the "high" group and all other countries to the "low" group. The dataset does not generate significant results if we divide countries into three groups. The regression generates coefficients for the "high" and "low" stage of development. For the calculation of the Index, we divide countries into three groups as discussed in the text. For the "high" and "low" group of countries, we use the coefficients derived in the regression. For the "medium" stage of development countries, we compute weights by averaging the estimated weights for the high-SIPI and low-SIPI countries.

- 78 The index for a particular country  $c$  in year  $t$  is calculated by summing its weighted microeconomic and macroeconomic components:

$$\begin{aligned} \text{GCI}_{c,t} = & \omega_{\text{Micro}}^S * \text{MICRO}_{c,t} + \omega_{\text{SIPI}}^S * \text{SIPI}_{c,t} + \omega_{\text{MP}}^S * \text{MP}_{c,t}; \\ \text{S} = & \text{High, middle, or low stage of development} \end{aligned}$$

- 79 See Porter et al. 2007.
- 80 The new model also uses a different scaling approach for some of the other indicators. Instead of scaling linearly with some upper cut-off points, we use the log of the indicator.
- 81 Porter and Ketels (2008) analyze this for the case of Russia where centralization of power has benefited macroeconomic stabilization but made progress on microeconomic competitiveness elusive.

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# Part 2

## Country/Economy Profiles and Data Presentation



## Executive Opinion Survey: Capturing the Voice of the Business Community

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The main goal of *The Global Competitiveness Report* is to provide a picture of a nation's economic environment and its ability to achieve sustained levels of prosperity and growth. Capturing this information in an accurate way does not come without its challenges, given the breadth of issues that drive national competitiveness as well as the large number of national economies covered in the *Report* (many of which are from the developing world). The Executive Opinion Survey (Survey) meets the need for up-to-date and far-reaching data, providing valuable qualitative information for which hard data sources are scarce or nonexistent, and thus complementing the hard data derived from various international sources.

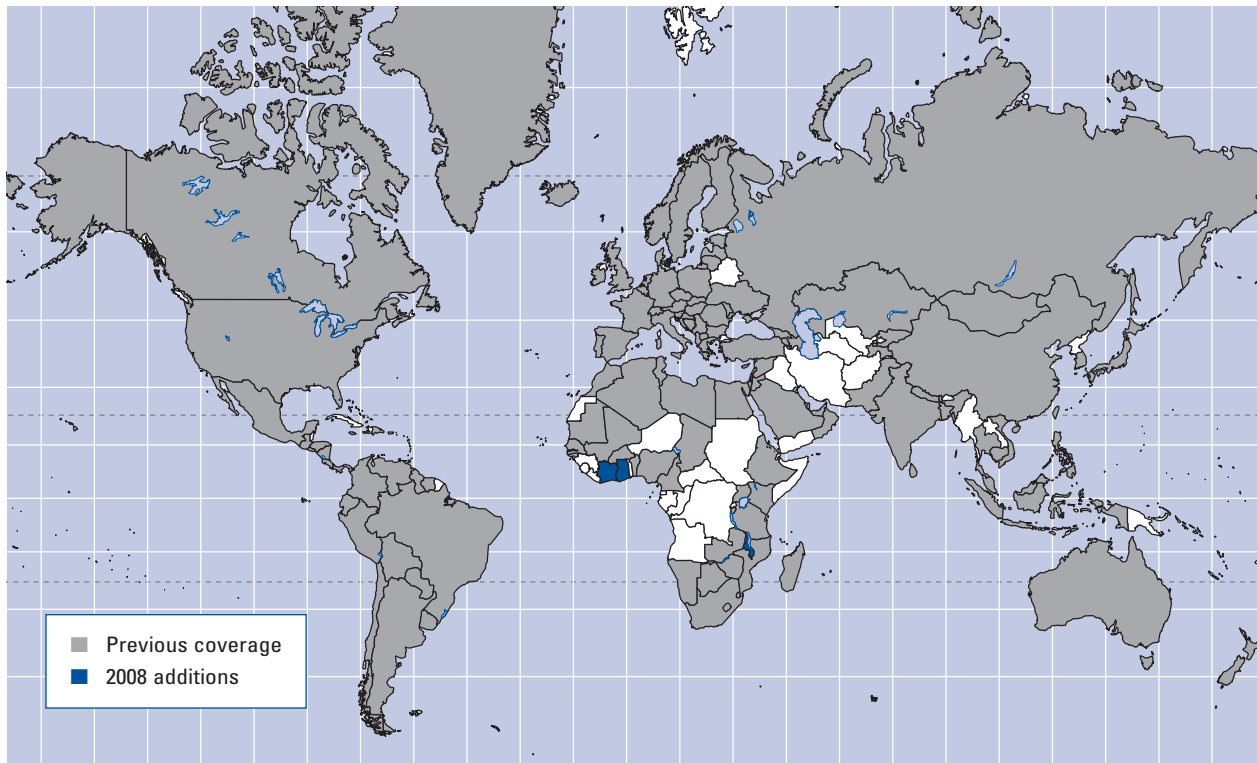
The World Economic Forum has conducted the annual Survey for nearly 30 years. This year, the Survey was completed by 12,297 top management business leaders—an all-time high—in 134 countries between January and May. This represents an average of 91 respondents per country. Table 1 shows key attributes of the Survey respondents for the 2008 dataset.

The Survey asks the executives to provide their expert opinions on various aspects of the business environment in which they operate. The data gathered thus provide a unique source of insight and a qualitative portrait of each nation's economic and business environment, and how it compares with the situation in other countries.

### Geographic expansion

Since the first competitiveness report was released in 1979, Survey coverage has been expanded from 16 European countries to this year's record coverage of 134 economies from all of the world's regions (see Figure 1 for details). This year four new countries have been added: Brunei Darussalam, Côte d'Ivoire, Ghana (previously covered in 2003 and 2004), and Malawi (previously covered between 2003 and 2006). Although the Forum aims to present comprehensive international coverage, expansion to additional countries may be constrained by the absence of adequate infrastructure to support the Survey process in some countries, and also because some of the hard data sources are themselves not available for some countries. However, despite the fact that some countries are not included in the *Report*, these 134 economies account for more than 98 percent of the world's gross domestic product (GDP), demonstrating that the findings are indeed global in scope.



**Figure 1: Country/economy coverage of the Executive Opinion Survey**

### Survey structure and methodology

The Survey is reviewed and streamlined every year to reflect the variables captured in the Global Competitiveness Index (GCI), which is at the heart of this *Report*. Because of the scope of the Survey's coverage, it is translated into more than 20 different languages.

Most questions in the Survey follow a structure that asks participants to evaluate, on scale of 1 to 7, the current conditions of their particular operating environment. At one end of the scale, 1 represents the worst possible operating condition or situation, and at the other end of the scale, 7 represents the best. See Box 1 for an example.

The Forum collaborates closely with a network of over 140 Partner Institutes that administer the Executive Opinion Survey at the national level.<sup>1</sup> Typically, the Partner Institutes are recognized economics departments of national universities, independent research institutes, or business organizations. This valuable collaboration helps to ensure that the Survey is conducted in a consistent manner across the globe. In addition, our partners help us in explaining the results at the national level. This better ensures that the findings are used as a tool for improving the competitiveness outlook in each country.

To this end, and in order to reach a representative sample of Survey responses from each economy, the Partner Institutes are each year required to follow a detailed set of guidelines. The process was reinforced this

#### Box 1: Example of a typical Survey question

##### Intellectual property protection in your country:

Is weak and not enforced < 1 2 3 4 5 6 7 > Is strong and enforced

**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

year with the support of an internationally renowned survey consultancy and in collaboration between the World Economic Forum and the Institute of Strategy and Competitiveness at the Harvard Business School. In this way, the process is moving toward a best practice procedure, ensuring greater data accuracy and allowing for more robust comparison across economies.

The Survey sampling follows a dual stratification based on the size of the company and the sector of activity.<sup>2</sup> 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).<sup>3</sup>
3. Based on these lists, and in view of reducing survey bias, choose a random selection of these firms to receive the Survey.<sup>4</sup>

Despite the significantly increased complexity of the process this year, the 2008 Survey guidelines were followed by a large majority of Partner Institutes, improving the robustness of the sample. However, this year should be seen as a transition year, as some Partner Institutes were not yet able to implement the improved procedure fully. We expect to move much closer to a situation of full implementation in the coming year or two.

Beyond the sampling guidelines, the actual administration of the Survey to the selected group of companies is tailored at the national level to take into account differences in infrastructure, distance, cultural preferences, and other such issues. For example, in some instances, the Partner Institute may deem that face-to-face interviews with business executives are the most effective method, as opposed to a mailing or telephone interview method, or offering the online version as an alternative.

Over the past year, the online completion of the Survey has increased further, and now represents 20 percent of all responses, with over 20 countries having an online usage above 70 percent. An improved online Survey was introduced this year, which allows for the inclusion of non-Latin-based languages, making the online Survey available in 13 languages.

Beyond the administration of the Executive Opinion Survey, the Partner Institutes act as the ambassadors of *The Global Competitiveness Report* and the report series. This often includes holding press events at the national level at the time of the launch, and explaining the Index findings to the public throughout the year.

### Who else uses the Executive Opinion Survey?

The Executive Opinion Survey results serve as a major component of research by a number of international and national organizations, government bodies, and companies. Besides our Partner Institutes, some of our principal partners include the US Agency for International Development (USAID) for monitoring economic progress; Transparency International for their research on bribery and corruption; and Harvard University, in collaboration with the Forum’s Health Initiative, in their annual global review of business perceptions and their response to the HIV/AIDS epidemic. Moreover, reference to the Survey data is made by many other international and multilateral organizations, government research departments, and academic institutions.

Every year the World Economic Forum’s Global Competitiveness Network publishes a number of reports besides *The Global Competitiveness Report* for which the underlying data are taken from the Survey. From the Survey 2007, the Forum published a series of industry-specific studies, including the annual *Global Information Technology Report 2007–2008* and *The Travel & Tourism Competitiveness Report 2008*, as well as the first ever *Global Enabling Trade Report 2008* and *The Financial Development Report 2008*.

Finally, an increasing number of national competitiveness reports that make use of or refer to the Executive Opinion Survey data are being published worldwide.

### Data treatment and score computation

The previous sections described how the Survey is actually conducted and the data collected. The following pages describe in detail how the data are then processed to arrive at country-level scores. These results,<sup>5</sup> together with hard data indicators, then feed into the GCI, described in Chapter 1.1 of this *Report*.

#### Data editing

The collected 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.<sup>6</sup> This is because partially completed surveys likely demonstrate 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. (See Box 2 for more detail.)

**Table 1a: Distribution of respondents to the Executive Opinion Survey 2008 by country and firm size**

Country/Economy	Sample size		Respondents by firm size						
	Count*	Percent online	<101 (%)	101–500 (%)	501–1,000 (%)	1,001–5,000 (%)	5,001–20,000 (%)	20,000 > (%)	No response (%)
Albania	88	0	60	33	5	1	1	0	0
Algeria	62	0	53	19	8	6	5	0	8
Argentina	81	99	26	32	10	20	10	2	0
Armenia	89	15	56	28	7	8	1	0	0
Australia	83	14	31	20	8	28	7	5	0
Austria	73	3	23	14	33	22	8	0	0
Azerbaijan	79	1	78	13	4	4	1	0	0
Bahrain	84	48	46	23	18	8	2	0	2
Bangladesh	93	0	32	25	13	20	5	2	2
Barbados	85	0	47	33	14	5	0	0	1
Belgium	89	96	55	19	3	13	7	2	0
Benin	98	0	69	14	9	1	2	2	2
Bolivia	39	77	54	21	15	5	0	0	5
Bosnia and Herzegovina	90	0	72	18	6	4	0	0	0
Botswana	73	1	49	33	12	5	0	0	0
Brazil	180	64	4	8	19	41	21	8	1
Brunei Darussalam	38	24	61	34	0	3	0	0	3
Bulgaria	94	1	54	36	3	6	0	0	0
Burkina Faso	77	0	71	21	0	3	0	0	5
Burundi	87	0	82	8	6	3	0	0	1
Cambodia	79	0	29	33	23	13	1	0	1
Cameroon	63	0	59	37	3	2	0	0	0
Canada	79	75	39	18	13	18	5	8	0
Chad	116	0	95	3	2	1	0	0	0
Chile	104	0	25	22	11	29	13	0	0
China	323	2	27	22	13	22	8	7	0
Colombia	128	36	52	27	10	9	2	0	2
Costa Rica	72	56	26	49	13	13	0	0	0
Côte d'Ivoire	82	0	74	12	5	2	5	0	1
Croatia	104	0	29	37	13	17	2	1	1
Cyprus	95	0	46	41	6	6	0	0	0
Czech Republic	89	1	4	49	30	13	2	0	0
Denmark	52	52	33	13	12	33	8	2	0
Dominican Republic	61	10	49	26	8	13	3	0	0
Ecuador	82	7	38	43	9	9	1	0	1
Egypt	104	4	12	38	13	28	8	1	1
El Salvador	77	29	39	43	9	6	3	0	0
Estonia	84	71	58	30	7	4	1	0	0
Ethiopia	97	0	62	25	6	7	0	0	0
Finland	65	98	28	23	20	25	2	3	0
France	105	3	15	21	10	29	10	13	1
Gambia, The	77	0	70	23	4	0	0	0	3
Georgia	85	60	69	16	5	9	0	0	0
Germany	71	18	25	20	6	15	13	20	1
Ghana	101	0	50	35	5	10	0	0	1
Greece	84	4	27	12	20	32	8	0	0
Guatemala	96	0	45	28	6	15	4	2	0
Guyana	89	0	67	24	4	1	0	1	2
Honduras	91	34	60	20	7	12	1	0	0
Hong Kong SAR	39	38	28	15	8	23	21	5	0
Hungary	101	1	25	32	18	21	3	2	0
Iceland	38	95	42	42	8	8	0	0	0
India	141	6	16	19	14	24	11	15	0
Indonesia	83	0	37	24	7	19	7	5	0
Ireland	59	36	36	24	20	15	5	0	0
Israel	84	95	25	45	10	20	0	0	0
Italy	85	7	28	24	12	14	11	12	0
Jamaica	55	0	58	22	15	5	0	0	0
Japan	148	5	14	19	3	23	28	13	0
Jordan	131	10	40	41	8	8	1	0	2
Kazakhstan	193	0	36	51	8	4	1	0	0
Kenya	102	0	52	23	11	12	3	0	0
Korea, Rep.	116	3	31	19	16	13	18	3	1
Kuwait	65	18	54	17	8	14	6	0	2
Kyrgyz Republic	100	0	71	19	5	2	1	0	2
Latvia	80	76	40	28	11	18	4	0	0
Lesotho	125	0	93	2	1	0	0	0	5
Libya	71	0	42	27	11	14	3	0	3

(Cont'd.)

Table 1a: Distribution of respondents to the Executive Opinion Survey 2008 by country and firm size (cont'd.)

Country/Economy	Sample size		Respondents by firm size						
	Count*	Percent online	<101 (%)	101–500 (%)	501–1,000 (%)	1,001–5,000 (%)	5,001–20,000 (%)	20,000 > (%)	No response (%)
Lithuania	109	75	38	44	9	6	4	0	0
Luxembourg	44	9	57	25	11	2	0	2	2
Macedonia, FYR	118	3	36	45	10	8	0	0	1
Madagascar	100	0	71	17	5	6	1	0	0
Malawi	97	0	54	30	7	6	2	1	0
Malaysia	70	4	24	36	9	20	4	4	3
Mali	94	0	65	22	3	6	0	0	3
Malta	47	38	55	30	6	6	2	0	0
Mauritania	59	0	85	14	0	0	0	0	2
Mauritius	44	2	43	25	16	16	0	0	0
Mexico	73	58	15	23	12	23	11	14	1
Moldova	118	0	37	35	14	13	2	0	0
Mongolia	81	1	32	38	23	6	0	0	0
Montenegro	81	0	74	16	2	2	0	0	5
Morocco	99	0	62	26	5	4	2	1	0
Mozambique	94	3	60	20	11	4	1	0	4
Namibia	43	40	40	26	21	14	0	0	0
Nepal	99	3	48	38	7	5	0	0	1
Netherlands	89	85	16	22	13	27	11	9	1
New Zealand	43	100	19	28	23	23	7	0	0
Nicaragua	81	0	51	35	7	7	0	0	0
Nigeria	87	1	36	32	6	16	2	3	5
Norway	37	43	22	32	11	24	11	0	0
Oman	142	80	36	32	13	15	4	0	0
Pakistan	130	4	42	20	18	14	5	0	2
Panama	91	2	43	27	13	9	4	0	3
Paraguay	114	5	56	32	6	4	1	0	2
Peru	84	1	2	54	19	17	6	1	1
Philippines	59	2	37	24	17	14	8	0	0
Poland	85	2	59	24	5	11	1	1	0
Portugal	75	29	15	28	17	21	8	5	5
Puerto Rico	74	99	58	19	7	14	3	0	0
Qatar	79	72	20	30	14	23	1	5	6
Romania	104	0	13	63	11	13	0	0	0
Russian Federation	343	1	17	21	33	21	4	2	1
Saudi Arabia	138	0	21	25	11	31	8	4	0
Senegal	97	1	90	8	0	1	0	0	1
Serbia	112	0	48	38	5	8	1	0	0
Singapore	136	40	24	46	14	11	4	0	1
Slovak Republic	86	0	27	41	10	20	0	0	2
Slovenia	75	1	40	17	9	9	3	11	11
South Africa	39	79	8	13	10	26	21	21	3
Spain	117	26	34	26	11	15	9	6	0
Sri Lanka	97	0	45	31	14	6	2	1	0
Suriname	54	48	65	31	4	0	0	0	0
Sweden	45	93	22	22	9	20	18	4	4
Switzerland	97	77	31	16	9	21	15	7	0
Syria	136	1	68	19	4	6	1	0	1
Taiwan, China	65	54	6	11	14	32	31	6	0
Tajikistan	99	0	75	15	4	6	0	0	0
Tanzania	97	1	51	32	7	9	1	0	0
Thailand	83	0	16	28	11	28	14	2	1
Timor-Leste	67	0	85	9	0	0	0	0	6
Trinidad and Tobago	91	16	51	21	5	18	3	0	2
Tunisia	88	7	39	40	7	13	2	0	0
Turkey	77	17	9	31	16	36	6	1	0
Uganda	100	0	69	22	4	3	2	0	0
Ukraine	116	2	57	25	10	5	2	0	1
United Arab Emirates	66	52	15	24	15	24	9	12	0
United Kingdom	63	92	38	14	16	17	8	3	3
United States	200	87	36	16	5	13	14	16	1
Uruguay	89	0	55	30	9	4	0	0	1
Venezuela	60	100	47	23	10	12	7	2	0
Vietnam	130	0	40	38	7	10	2	1	2
Zambia	85	0	72	15	5	6	0	0	2
Zimbabwe	52	25	13	17	23	40	6	0	0
<b>TOTAL/AVERAGE (%)</b>	<b>12,297</b>	<b>19</b>	<b>42</b>	<b>26</b>	<b>10</b>	<b>13</b>	<b>5</b>	<b>2</b>	<b>1</b>

\* Final count, after editing of the data. See text for details.

**Table 1b: Distribution of respondents to the Executive Opinion Survey 2008 by export profile and level of competition**

Country/Economy	Share of exports (%) in total firm's sales					Level of competition				
						DOMESTIC ONLY		INTERNATIONAL		
	<10% share (%)	10–25% share (%)	25–50% share (%)	>50% share (%)	No response (%)	With other domestic companies (%)	With domestic and international companies (%)	From a domestic base only (%)	With activities located in different countries (%)	No response (%)
Albania	61	5	3	5	26	39	38	7	5	13
Algeria	79	2	3	5	11	35	48	0	5	11
Argentina	56	22	9	10	4	9	41	22	28	0
Armenia	55	6	9	18	12	27	38	18	12	4
Australia	72	13	6	5	4	13	35	18	28	6
Austria	45	8	5	38	3	15	25	15	42	3
Azerbaijan	67	4	4	3	23	41	42	5	4	9
Bahrain	46	7	7	14	25	19	36	19	17	10
Bangladesh	65	9	1	16	10	20	42	22	12	4
Barbados	64	9	4	5	19	29	27	12	19	13
Belgium	48	13	8	25	6	15	33	16	35	2
Benin	58	8	16	10	7	46	43	4	6	1
Bolivia	49	0	13	31	8	21	36	33	5	5
Bosnia and Herzegovina	72	10	8	8	2	41	34	19	6	0
Botswana	79	4	0	1	15	29	53	5	4	8
Brazil	66	15	9	7	3	11	31	22	36	1
Brunei Darussalam	87	3	0	5	5	58	29	5	3	5
Bulgaria	74	2	5	12	6	41	27	16	7	9
Burkina Faso	66	5	3	6	19	55	30	3	5	8
Burundi	92	2	0	3	2	76	15	2	0	7
Cambodia	68	4	6	10	11	15	43	9	28	5
Cameroon	51	5	13	11	21	13	48	11	22	6
Canada	52	13	10	22	4	15	30	20	34	0
Chad	75	5	3	1	16	61	25	1	3	9
Chile	66	12	7	10	6	19	43	21	15	1
China	67	12	10	9	2	39	31	16	14	0
Colombia	71	6	2	7	14	41	33	15	9	2
Costa Rica	43	10	11	22	14	13	31	25	31	1
Côte d'Ivoire	66	11	4	11	9	32	39	13	11	5
Croatia	63	13	11	8	6	21	43	15	16	4
Cyprus	67	6	13	7	6	22	40	12	23	3
Czech Republic	44	8	10	34	4	20	21	31	26	1
Denmark	48	6	8	38	0	12	21	15	52	0
Dominican Republic	72	3	2	7	16	20	61	10	7	3
Ecuador	68	5	5	7	15	23	45	13	15	4
Egypt	70	7	11	12	1	34	29	25	13	0
El Salvador	49	13	13	12	13	21	36	16	26	1
Estonia	55	14	14	15	1	18	36	24	23	0
Ethiopia	73	1	0	5	21	41	32	11	9	6
Finland	58	6	6	26	3	15	26	18	40	0
France	46	16	13	19	6	17	19	6	56	2
Gambia, The	75	4	0	3	18	44	39	3	5	9
Georgia	79	8	1	2	9	27	47	15	8	2
Germany	37	10	17	25	11	13	13	8	65	1
Ghana	58	10	7	14	11	11	57	12	15	5
Greece	65	11	5	15	4	19	43	11	25	2
Guatemala	48	17	9	19	7	9	29	28	33	0
Guyana	72	6	4	7	11	38	37	13	7	4
Honduras	60	8	3	15	13	12	51	25	10	2
Hong Kong SAR	56	3	3	36	3	5	15	18	62	0
Hungary	51	7	11	29	2	18	27	38	16	2
Iceland	84	5	3	8	0	37	34	11	18	0
India	54	16	11	13	6	16	32	18	32	3
Indonesia	75	13	1	4	7	37	40	6	17	0
Ireland	59	3	2	22	14	14	34	15	29	8
Israel	25	5	10	58	2	10	13	18	58	1
Italy	58	7	6	19	11	15	33	13	38	1
Jamaica	65	11	5	4	15	15	51	16	18	0
Japan	53	12	15	9	11	15	17	14	55	0
Jordan	51	8	9	18	14	21	34	18	22	5
Kazakhstan	92	5	1	2	0	78	16	5	1	0
Kenya	65	7	8	5	16	32	37	9	17	5
Korea, Rep.	60	16	12	9	2	29	34	2	34	1
Kuwait	63	8	6	6	17	22	32	9	29	8
Kyrgyz Republic	55	5	4	6	30	49	30	4	7	10
Latvia	63	5	14	14	5	15	45	19	18	4
Lesotho	83	2	0	0	15	56	18	6	2	17
Libya	61	6	3	6	25	25	39	11	11	13

(Cont'd.)

**Table 1b: Distribution of respondents to the Executive Opinion Survey 2008 by export profile and level of competition**  
(cont'd.)

Country/Economy	Share of exports (%) in total firm's sales					Level of competition				
						DOMESTIC ONLY		INTERNATIONAL		
	<10% share (%)	10-25% share (%)	25-50% share (%)	>50% share (%)	No response (%)	With other domestic companies (%)	With domestic and international companies (%)	From a domestic base only (%)	With activities located in different countries (%)	No response (%)
Lithuania	58	7	9	21	5	24	39	23	12	2
Luxembourg	30	9	5	55	2	5	18	32	45	0
Macedonia, FYR	52	12	5	28	3	25	36	23	14	3
Madagascar	67	5	2	11	15	49	31	8	7	5
Malawi	73	6	4	6	10	23	47	15	8	6
Malaysia	50	9	10	11	20	20	30	10	29	11
Mali	66	10	4	6	14	39	45	1	5	10
Malta	68	9	4	13	6	26	28	17	30	0
Mauritania	61	5	8	0	25	37	41	5	3	14
Mauritius	68	5	5	18	5	16	34	18	32	0
Mexico	59	8	15	11	7	10	29	22	40	0
Moldova	62	5	10	18	5	19	46	25	10	1
Mongolia	44	15	17	22	1	33	47	12	7	0
Montenegro	69	11	0	7	12	23	51	14	9	4
Morocco	72	6	4	8	10	45	33	12	5	4
Mozambique	64	7	5	2	21	22	48	14	13	3
Namibia	67	2	0	16	14	9	44	21	16	9
Nepal	62	9	4	4	21	41	36	16	2	4
Netherlands	48	15	3	22	11	16	21	16	40	7
New Zealand	60	14	5	21	0	14	49	9	28	0
Nicaragua	64	11	2	6	16	30	48	7	11	4
Nigeria	48	22	2	2	25	30	53	7	7	3
Norway	51	5	5	35	3	8	32	5	54	0
Oman	73	8	4	9	6	13	54	11	21	1
Pakistan	57	5	8	13	17	27	38	18	11	6
Panama	21	4	5	11	58	25	42	11	14	8
Paraguay	56	4	7	7	26	32	42	11	11	4
Peru	46	19	15	11	8	14	44	20	18	4
Philippines	81	3	3	7	5	17	61	7	14	2
Poland	62	13	6	15	4	13	51	19	16	1
Portugal	41	9	9	17	23	9	27	19	36	9
Puerto Rico	73	9	4	9	4	16	55	14	12	3
Qatar	57	9	3	6	25	13	44	13	23	8
Romania	57	13	9	22	0	28	37	18	15	2
Russian Federation	84	10	3	1	2	55	33	6	3	3
Saudi Arabia	61	16	6	4	13	22	41	7	19	12
Senegal	89	2	3	5	1	61	27	8	1	3
Serbia	76	11	5	8	0	37	43	9	12	0
Singapore	17	8	4	65	5	0	1	8	88	2
Slovak Republic	36	15	12	34	3	7	43	30	19	1
Slovenia	40	13	11	31	5	8	28	23	39	3
South Africa	46	13	10	15	15	5	21	21	44	10
Spain	67	9	4	5	15	14	37	15	29	5
Sri Lanka	72	2	3	4	19	45	37	9	2	6
Suriname	70	9	4	0	17	31	50	15	4	0
Sweden	47	13	11	16	13	2	22	9	56	11
Switzerland	48	7	6	31	7	19	20	14	45	2
Syria	56	16	6	10	12	35	40	13	7	4
Taiwan, China	45	11	15	20	9	3	22	18	57	0
Tajikistan	81	7	5	1	6	69	22	3	1	5
Tanzania	69	8	1	10	11	20	62	6	10	2
Thailand	70	7	8	12	2	27	35	20	18	0
Timor-Leste	67	9	4	9	10	33	40	9	10	7
Trinidad and Tobago	67	7	7	5	14	32	31	10	19	9
Tunisia	39	13	13	32	5	33	23	15	20	9
Turkey	38	19	22	19	1	12	13	42	32	1
Uganda	66	4	4	7	19	38	43	9	9	1
Ukraine	81	9	3	6	1	66	22	10	2	0
United Arab Emirates	61	12	3	9	15	9	44	18	29	0
United Kingdom	71	6	3	11	8	33	17	8	35	6
United States	55	15	9	12	11	11	15	20	52	3
Uruguay	44	11	9	22	13	16	29	29	21	4
Venezuela	67	10	12	7	5	8	40	17	32	3
Vietnam	65	2	2	23	7	18	60	13	4	5
Zambia	79	5	4	4	9	27	39	13	16	5
Zimbabwe	48	19	8	21	4	13	35	33	19	0
<b>TOTAL/AVERAGE (%)</b>	<b>62</b>	<b>9</b>	<b>7</b>	<b>13</b>	<b>10</b>	<b>27</b>	<b>35</b>	<b>14</b>	<b>20</b>	<b>4</b>

### Box 2: A multivariate outlier detection technique: The Mahalanobis distance

The Mahalanobis distance measure is used to estimate the likelihood that one particular point of  $N$  dimensions belongs to a set of such points. It extends a standard Euclidean measure of distance by taking into account the variance and covariance of points in the set across the  $N$  dimensions. It is therefore perfectly suited to the treatment of survey data. In effect, 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 enough—we use 99.9 percent as the threshold—we conclude that a particular survey is a clear outlier and does not “belong” to the sample.

There is a limitation in applying this technique to the Survey data. In order to compute the Mahalanobis distance, the number of surveys in a country (i.e., the set of points) must be greater than the number of questions considered (i.e., the dimension or “degree of freedom”). Given the limited number of respondents in many countries, we cannot include all the Survey questions—over 150—and therefore limit the test to a group of 67 questions, selected for their relevance and placement in the Survey instrument. This allows us to calculate the measure in 106 country samples.<sup>1</sup>

#### Note

1 A total of 71 surveys in 10 countries are dropped based upon the Mahalanobis outlier test.

Following the multivariate outlier test, a univariate outlier test is applied at the country level for each question of each Survey. We use the standardized score method—also called “z-score”—which indicates by how many standard deviations any one individual answer deviates from the mean of the country sample. Formally, this is calculated as follows:

$$z_{i,q,c} = \frac{x_{i,q,c} - \bar{x}_{q,c}}{\sigma_{q,c}},$$

where

$x_{i,q,c}$  is respondent  $i$ 's answer to question  $q$  in country  $c$ ; and

$\bar{x}_{q,c}$  and  $\sigma_{q,c}$  are the average and standard deviation, respectively, of individual answers to question  $q$  within country  $c$ 's sample.

Individual answers with a z-score  $z_{i,q,c}$  greater than 3 or less than negative 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 known 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).<sup>7</sup>

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 that just 3 percent of responses from a country came from the services sector, but that sector actually represents 90 percent of the country's economy. (In practice we do not find such extremely misrepresentative samples in our data.) By applying the above weighting scheme, we would be giving a very high weight to a very few surveys. This is avoided by trimming the sector weights. More specifically, 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 adjusted accordingly.

Formally, the sector-weighted country average of a Survey indicator,  $\bar{q}_c$ , is computed as follows:

$$\bar{q}_c = \sum_s w_{s,c} \times q_{s,c}$$

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

where

$w_{s,c}$  is sector  $s$ 's contribution to the economy of country  $c$  (for example, .77 for the services sector in the United States);

$q_{s,c}$  is the mean of the responses from sector  $s$  in country  $c$  ( $q_{j,s,c}$  is response  $j$  from sector  $s$  and country  $c$  and  $N_{s,c}$  is the number of responses from sector  $s$  in country  $c$ ).

### Data weighting: Moving average

As a final step, the sector-weighted country averages for 2008 are combined with the 2007 averages to produce the final country scores that are used for the computation of the 2008 GCI and other projects.<sup>8</sup>

This moving average technique, which was introduced last year, 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

**Table 2: Contribution (%) of economic sectors to GDP**

Country/Economy	Agriculture (%)	Non-manufacturing industry (%)	Manufacturing industry (%)	Services (%)	Country/Economy	Agriculture (%)	Non-manufacturing industry (%)	Manufacturing industry (%)	Services (%)
Albania	22.8	9.5	12.0	55.7	Lithuania	5.7	12.0	21.5	60.8
Algeria	8.5	55.8	5.6	30.1	Luxembourg	0.4	7.4	8.8	83.3
Argentina	9.4	12.5	23.2	55.0	Macedonia, FYR	12.9	10.9	18.4	57.7
Armenia	20.5	23.7	20.5	35.2	Madagascar	27.9	1.8	14.0	56.4
Australia	3.0	15.0	12.0	70.0	Malawi	34.7	6.9	12.5	45.9
Austria	1.5	10.7	20.0	67.8	Malaysia	8.7	21.2	30.6	39.6
Azerbaijan	10.0	54.5	7.8	27.7	Mali	36.6	21.0	3.2	39.3
Bahrain	0.4	29.3	14.0	56.3	Malta	2.8	22.4	n/a	74.8
Bangladesh	20.1	10.7	16.5	52.6	Mauritania	23.7	24.2	5.0	47.0
Barbados	6.0	8.9	7.1	78.0	Mauritius	6.1	8.0	20.2	65.7
Belgium	1.0	7.0	17.0	74.9	Mexico	3.8	8.2	17.7	70.2
Benin	32.2	5.9	7.5	54.4	Moldova	17.0	7.2	17.3	58.5
Bolivia	15.0	17.5	14.3	53.2	Mongolia	21.7	26.0	3.1	49.2
Bosnia and Herzegovina	10.1	13.7	11.6	64.6	Montenegro	13.0	12.4	12.6	62.0
Botswana	2.3	49.4	3.9	44.4	Morocco	14.1	13.4	16.6	55.9
Brazil	8.1	20.0	18.4	53.5	Mozambique	22.3	15.6	14.2	47.9
Brunei Darussalam	0.9	61.1	10.5	27.5	Namibia	9.9	18.3	13.5	58.4
Bulgaria	9.6	12.2	19.5	58.7	Nepal	38.2	13.2	7.7	40.8
Burkina Faso	30.6	6.3	13.5	49.6	Netherlands	2.1	10.4	14.0	73.6
Burundi	34.8	11.2	8.8	45.1	New Zealand	4.6	11.3	16.2	67.9
Cambodia	34.2	7.6	19.1	39.1	Nicaragua	18.6	10.1	17.9	53.4
Cameroon	41.1	6.9	7.2	44.8	Nigeria	23.3	52.8	4.0	19.9
Canada	2.2	12.9	16.5	68.4	Norway	1.6	32.3	11.0	55.1
Chad	22.7	46.5	4.7	26.1	Oman	2.0	48.0	8.0	42.0
Chile	5.5	29.2	17.6	47.7	Pakistan	21.6	6.9	18.2	53.3
China	12.6	14.1	33.5	39.9	Panama	7.7	8.6	7.8	75.9
Colombia	12.5	19.3	14.8	53.3	Paraguay	22.1	6.9	12.4	58.6
Costa Rica	8.7	7.9	21.9	61.5	Peru	7.2	18.5	16.3	58.0
Côte d'Ivoire	22.8	6.5	19.3	51.4	Philippines	14.3	9.0	23.3	53.4
Croatia	7.0	10.6	20.2	62.2	Poland	4.8	12.4	18.3	64.5
Cyprus	3.1	11.1	8.2	77.6	Portugal	2.9	8.6	16.0	72.5
Czech Republic	2.9	12.0	25.2	59.8	Puerto Rico	1.0	3.0	40.0	56.0
Denmark	1.8	10.6	14.0	73.5	Qatar	0.1	69.6	6.1	24.2
Dominican Republic	12.4	10.3	15.1	62.1	Romania	10.1	11.5	23.5	54.9
Ecuador	6.5	36.8	9.0	47.8	Russian Federation	5.6	20.1	17.9	56.4
Egypt	14.9	19.2	16.8	49.0	Saudi Arabia	42.0	13.0	8.0	37.0
El Salvador	10.3	6.9	23.1	59.8	Senegal	17.9	8.0	10.9	63.2
Estonia	4.0	10.9	18.5	66.6	Serbia	13.7	8.7	15.9	61.7
Ethiopia	47.7	8.2	5.1	39.0	Singapore	0.1	5.4	28.4	66.1
Finland	2.9	7.6	22.0	67.5	Slovak Republic	3.5	10.6	18.8	67.2
France	2.2	7.7	13.3	76.9	Slovenia	2.5	9.5	24.6	63.4
Gambia, The	32.6	7.9	5.2	54.2	South Africa	2.5	11.7	18.6	67.1
Georgia	16.7	9.9	17.6	55.9	Spain	3.3	13.5	16.0	67.2
Germany	0.9	6.7	23.0	69.4	Sri Lanka	16.8	11.2	14.9	57.1
Ghana	37.5	14.9	8.3	39.4	Suriname	10.8	18.9	5.5	64.8
Greece	5.2	9.8	11.0	74.0	Sweden	1.1	8.2	20.0	70.7
Guatemala	22.8	6.3	12.6	58.3	Switzerland	1.3	8.3	20.0	70.3
Guyana	31.0	16.5	8.0	44.5	Syria	23.3	4.8	30.5	41.4
Honduras	13.9	11.3	20.1	54.6	Taiwan, China	1.7	4.1	27.3	66.9
Hong Kong SAR	–	6.0	4.0	90.0	Tajikistan	24.4	7.8	24.1	43.7
Hungary	4.0	8.0	23.0	65.0	Tanzania	44.5	10.3	7.5	37.6
Iceland	5.8	13.6	10.1	70.5	Thailand	9.9	9.4	34.7	46.0
India	18.3	11.6	15.7	54.4	Timor-Leste	8.5	20.5	2.6	68.4
Indonesia	13.4	17.7	28.1	40.8	Trinidad and Tobago	0.8	53.3	6.4	39.6
Iran	10.4	32.8	11.8	45.0	Tunisia	11.6	11.1	17.5	59.7
Ireland	3.0	10.0	27.0	60.0	Turkey	11.9	9.7	14.0	64.5
Israel	3.2	10.7	22.1	64.0	Uganda	32.7	15.5	9.2	42.5
Italy	2.3	8.5	18.4	70.9	Ukraine	10.9	13.3	20.5	55.3
Jamaica	5.7	19.5	13.6	61.2	United Arab Emirates	2.3	41.6	14.1	42.0
Japan	2.0	9.0	21.0	68.0	United Kingdom	1.0	11.2	15.0	72.8
Jordan	2.8	10.4	19.2	67.6	United States	1.0	8.0	14.0	77.0
Kazakhstan	6.8	24.9	14.6	53.7	Uruguay	9.2	8.9	21.9	60.0
Kenya	27.0	7.1	11.5	54.4	Venezuela	4.7	33.7	18.0	43.7
Korea, Rep.	3.3	11.9	28.4	56.3	Vietnam	20.9	20.3	20.7	38.1
Kuwait	0.7	48.7	2.0	48.7	Zambia	18.5	13.4	11.7	56.3
Kyrgyz Republic	34.1	6.8	14.1	45.0	Zimbabwe	18.1	9.8	12.8	59.3
Latvia	4.1	9.2	12.8	73.8					
Lesotho	17.3	23.0	18.5	41.3					
Libya	2.8	73.5	3.8	19.9					

Source: Economist Intelligence Unit, *CountryData Database*; World Bank, *World Development Indicators 2008 Online Database*.  
Note: Data are for 2007 or most recent year available.

(Cont'd.)



### Box 3: Country score calculation

For any given Survey question  $q_i$ , country  $c$ 's score,  $q_{i,c}^{07-08}$ , is given by:

$$q_{i,c}^{07-08} = w_c^{2007} \times \bar{q}_{i,c}^{2007} + w_c^{2008} \times \bar{q}_{i,c}^{2008} \quad (1)$$

where

$\bar{q}_{i,c}^T$  is country  $c$ 's score on question  $q_i$  in year  $T$ , with  $T = 2007, 2008$ , 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  $q_i$  in year  $T$ ;

$N_c^T$  is the sample size (i.e., the number of respondents) for country  $c$  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:

$$w_c^{2007} = \frac{(1-\alpha) + \frac{N_c^{2007}}{N_c^{2007} + N_c^{2008}}}{2} \quad (2a)$$

and

$$w_c^{2008} = \frac{\alpha + \frac{N_c^{2008}}{N_c^{2007} + N_c^{2008}}}{2} \quad (2b)$$

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

$$q_{i,c}^{07-08} = \frac{1}{2} \times \underbrace{\left[ (1-\alpha) \times \bar{q}_{i,c}^{2007} + \alpha \times \bar{q}_{i,c}^{2008} \right]}_{\text{discounted-past weighted average}} + \frac{1}{2} \times \underbrace{\left[ \frac{N_c^{2007}}{N_c^{2007} + N_c^{2008}} \times \bar{q}_{i,c}^{2007} + \frac{N_c^{2008}}{N_c^{2007} + N_c^{2008}} \times \bar{q}_{i,c}^{2008} \right]}_{\text{sample-size weighted average}} \quad (3)$$

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  $\alpha$  is 0.6, which corresponds to a discount factor of 2/3. That is, the 2007 score of country  $c$  is given 2/3 of the weight given to its 2008 score. One additional property 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 same treatment is applied to the results of the previous editions of the Survey. That is, for any two consecutive editions  $t_1$  and  $t_2$  of the EOS, country  $c$ 's score on question  $i$  is computed as follows:

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

#### Example

For the sake of concreteness and clarity, let us compute the score of Costa Rica on indicator 7.01 on the nature of the relations between employers and employees, which is part of the 7th pillar of the GCI.

Costa Rica's score was 5.61 in 2008 and 5.67 in 2007. The weighting scheme described above indicates how the two scores are combined. In Costa Rica, the size of the sample was 57 in 2007 and 72 in 2008. Using  $\alpha = 0.6$  and applying formulas (2a) and (2b) yield weights of 44.2 percent for 2007 and 55.8 percent for 2008. The final country score for this question is given by formula (1):

$$\underbrace{0.442 \times 5.67}_{2007} + \underbrace{0.558 \times 5.61}_{2008} = 5.63.$$

This is the score used in the computation of the GCI. Although numbers were rounded to two decimal places in this example and are shown to one decimal place in the data tables, exact figures were used in the actual calculation.

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 2007 and first quarter 2008 better aligns the Survey data with many of the hard data indicators, which are year-average data.

Practically, to calculate the moving average, a weighting scheme is used that is 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 they contain more updated information. That is, we also “discount the past.” Box 3 details the methodology and provides a clarifying example.

## Conclusion

The World Economic Forum’s Executive Opinion Survey is a unique tool for capturing the opinion of business leaders throughout the world concerning the many factors that not only impact the environment in which businesses operate, but in turn largely dictate the competitiveness of a nation. With coverage of 134 countries and with over 12,000 responses annually, the Survey is by far the largest poll of its kind. A project of this scale would not be possible without the incredible work carried out by the Forum’s network of over 140 Partner Institutes.

This year, the Survey has undergone a major overhaul with the help of world-class experts and practitioners. Improvements have been made throughout the process in order to further enhance the population representation of the sample and the statistical significance and the robustness of the results. In the future, we will continue to pursue efforts to enhance the Survey.

## Notes

- 1 Please refer to the list of Partner Institutes at the beginning of this *Report*.
- 2 The Survey sampling guidelines each year emphasize the need to have a sample with a sufficient presence of large companies because these companies tend to have better knowledge about the overall economy and the relative quality of the business environment. The size stratification of the sample helps to better achieve this goal.
- 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 country in the various questions of the Survey. The two terms are used interchangeably throughout the text.
- 6 The completion rate is the proportion of unanswered questions among the 120 core questions in the survey instrument.
- 7 In a few cases, the respondent has not answered the question relative to their company’s activity. In order to include the surveys with missing sector information in the country averages, the average response values for the surveys without sector information 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 For details about the 2007 dataset of the Survey, please refer to Browne and Geiger 2007.

## Reference

Browne, C. and T. Geiger. 2007. “The Executive Opinion Survey: The Voice of the Business Community.” *The Global Competitiveness Report 2007–2008*. Hampshire: Palgrave Macmillan. 85–95.



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# 2.2

## Country/Economy Profiles



# How to Read the Country/Economy Profiles

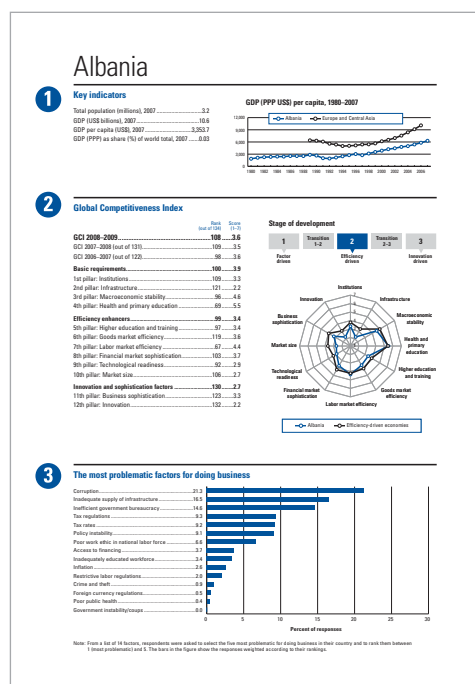
The Country Profiles section presents a two-page profile for each of the 134 economies covered by *The Global Competitiveness Report 2008–2009*.

## Page 1

### 1 Key indicators

The first section presents a selection of key indicators:

- Population figures come from the United Nations Population Fund (UNFPA)'s *State of World Population 2007*, the World Bank's *World Development Indicators 2008*, and the Economist Intelligence Unit's *CountryData Database*, as well as national sources.
- Macroeconomic data come from the April 2008 edition of the International Monetary Fund (IMF)'s *World Economic Outlook*.
- The chart on the upper right-hand side displays the evolution of GDP per capita adjusted for purchasing power parity (PPP), from 1980 through 2007 (or the period for which data are available) for the economy under review (blue line). The source for these figures is the April 2008 edition of the IMF's *World Economic Outlook*. Note that no data are available for Montenegro and Puerto Rico. The black line plots the aggregate performance of the group of economies to which the economy under review belongs. We draw on the World Bank's classification of economies, which divides the world into six regions ("East Asia and the Pacific," "Europe and Central Asia," "Latin America and the Caribbean," "Middle East and North Africa," "South Asia," and "Sub-Saharan Africa") and two income groups ("high-income OECD" and "other high income"). In some cases, a different comparator than the economy's corresponding group is used. GDP aggregates (only available through 2006) are from the World Bank's *World Development Indicators Online Database* (data retrieved in August 2008).



#### 4 The Global Competitiveness Index in detail

This page presents the rank achieved by a country on each of the indicators entering the composition of the GCI. Indicators are organized by pillar. Please refer to the appendix of Chapter 1.1 for the detailed structure of the GCI.

Next to the rank, a colored square indicates whether the indicator constitutes an advantage (blue square) or a disadvantage (black square) for the country. In order to identify variables as advantages or disadvantages, the following rules were applied:

- For those economies ranked in the top 10 in the overall GCI, individual variables ranked between 1 and 10 are considered to be advantages. Any variables ranked below 10 are considered to be disadvantages. For instance, in the case of Switzerland which is ranked 2nd overall, its 3rd rank in the variable *Efficiency of the legal framework* makes this variable a competitive advantage, whereas the time required to start a business, on which it ranks 42nd, constitutes a competitive disadvantage for the country.
- For those economies ranked from 11 to 50 in the overall GCI, variables ranked higher than the economy's own rank are considered to be advantages. Any variables ranked equal to or lower than the economy's overall rank are considered to be disadvantages. In the case of Malaysia, ranked 21st overall, its rank of 20th for the quality of scientific research institutions makes this variable a competitive advantage. On the other hand, the penetration rate of personal computers, in which Malaysia ranks 38th, represents a competitive disadvantage.
- For those economies ranked lower than 50 in the overall GCI, any individual variables ranked higher than 51 are considered as advantages. Any variables ranked lower than 50 are considered as disadvantages. For Vietnam, ranked 70th overall, variable *Extent of marketing* constitutes a disadvantage (98th), whereas the relatively narrow interest spread (3.7 percent) constitutes a competitive advantage (rank 39th).

For indicators allocated a half-weight in the GCI, only the first instance is shown on this page. For further analysis, the Data Tables in the following section of the Report provide detailed rankings and scores for all the variables of the GCI.

The Global Competitiveness Index in detail		Albania	
INDICATOR	RANK	Competitive Advantage	Competitive Disadvantage
<b>1st pillar: Institutions</b>			
1.01 Property rights	136		
1.02 Intellectual property protection	134		
1.03 Dissolution of public funds	90		
1.04 Public trust in politicians	100		
1.05 Judicial independence	121		
1.06 Perception of corruption of government officials	108		
1.07 Effectiveness of government spending	88		
1.08 Burden of government regulation	87		
1.09 Efficiency of legal framework	117		
1.10 Transparency of government policymaking	122		
1.11 Business costs of crime and violence	77		
1.12 Organized crime	101		
1.14 Reliability of public services	81		
1.16 Ethical behavior of firms	84		
1.18 Strength of auditing and reporting standards	109		
1.19 Ethical behavior of business	86		
1.19 Protection of minority shareholders' interests	101		
<b>2nd pillar: Infrastructure</b>			
2.01 Quality of overall infrastructure	120		
2.02 Quality of cultural infrastructure	114		
2.03 Quality of digital infrastructure	109		
2.04 Quality of port infrastructure	104		
2.05 Quality of air transport infrastructure	76		
2.06 Air traffic and management	117		
2.07 Quality of electricity supply	139		
2.08 Telephony level	89		
<b>3rd pillar: Macroeconomic stability</b>			
3.01 Government applicability	113		
3.02 National average wage*	110		
3.03 Inflation	47		
3.04 Interest rate spread*	105		
3.05 Government debt	94		
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria	82		
4.02 Malaria incidence*	7		
4.03 Business impact of tuberculosis	44		
4.04 Business impact of HIV/AIDS	27		
4.05 Business impact of hepatitis	56		
4.06 Infant mortality	44		
4.07 Infant mortality	44		
4.08 Life expectancy	76		
4.09 Quality of primary education	74		
4.10 Primary enrollment*	65		
4.11 Education expenditure*	66		
<b>5th pillar: Higher education and training</b>			
5.01 Secondary enrollment*	89		
5.02 Tertiary enrollment*	89		
5.03 Quality of the educational system	80		
5.04 Quality of short and distance education	82		
5.05 Quality of management schools	112		
5.06 Invention creation/technology	107		
5.07 Local readiness to research and training services	104		
5.08 Extent of staff training	71		
<b>6th pillar: Financial market sophistication</b>			
6.01 Financing through financial equity market	126		
6.02 Ease of access to bank	121		
6.03 Retail capital adequacy	101		
6.04 Restriction on capital flows	103		
6.05 Strength of investor protection*	123		
6.07 Soundness of banks	104		
6.08 Regulation of derivative exchanges	134		
6.09 Legal rights index*	3		
<b>7th pillar: Technological readiness</b>			
7.01 Firm-level technology adoption	104		
7.02 Firm-level technology adoption	104		
7.03 Firm-level technology adoption	104		
7.04 Firm-level technology adoption	104		
7.05 Firm-level technology adoption	104		
7.06 Firm-level technology adoption	104		
7.07 Firm-level technology adoption	104		
7.08 Firm-level technology adoption	104		
7.09 Firm-level technology adoption	104		
7.10 Firm-level technology adoption	104		
<b>8th pillar: Market size</b>			
8.01 Domestic market size*	99		
8.02 Foreign market size*	116		
<b>9th pillar: Business sophistication</b>			
9.01 Local supplier quality	131		
9.02 Local supplier quality	131		
9.03 Local supplier quality	131		
9.04 Local supplier quality	131		
9.05 Local supplier quality	131		
9.06 Local supplier quality	131		
9.07 Local supplier quality	131		
9.08 Local supplier quality	131		
9.09 Local supplier quality	131		
9.10 Local supplier quality	131		
<b>10th pillar: Innovation</b>			
10.01 Quality of innovation	134		
10.02 Quality of scientific research institutions	133		
10.03 Company spending on R&D	132		
10.04 University-industry research collaboration	134		
10.05 Gov't procurement of advanced tech products	119		
10.06 Availability of scientists and engineers	115		
10.07 Ability to patent	88		

# List of Countries/Economies

Country/Economy	Page	Country/Economy	Page	Country/Economy	Page
Albania	84	Greece	174	Norway	264
Algeria	86	Guatemala	176	Oman	266
Argentina	88	Guyana	178	Pakistan	268
Armenia	90	Honduras	180	Panama	270
Australia	92	Hong Kong SAR	182	Paraguay	272
Austria	94	Hungary	184	Peru	274
Azerbaijan	96	Iceland	186	Philippines	276
Bahrain	98	India	188	Poland	278
Bangladesh	100	Indonesia	190	Portugal	280
Barbados	102	Ireland	192	Puerto Rico	282
Belgium	104	Israel	194	Qatar	284
Benin	106	Italy	196	Romania	286
Bolivia	108	Jamaica	198	Russian Federation	288
Bosnia and Herzegovina	110	Japan	200	Saudi Arabia	290
Botswana	112	Jordan	202	Senegal	292
Brazil	114	Kazakhstan	204	Serbia	294
Brunei Darussalam	116	Kenya	206	Singapore	296
Bulgaria	118	Korea, Rep.	208	Slovak Republic	298
Burkina Faso	120	Kuwait	210	Slovenia	300
Burundi	122	Kyrgyz Republic	212	South Africa	302
Cambodia	124	Latvia	214	Spain	304
Cameroon	126	Lesotho	216	Sri Lanka	306
Canada	128	Libya	218	Suriname	308
Chad	130	Lithuania	220	Sweden	310
Chile	132	Luxembourg	222	Switzerland	312
China	134	Macedonia, FYR	224	Syria	314
Colombia	136	Madagascar	226	Taiwan, China	316
Costa Rica	138	Malawi	228	Tajikistan	318
Côte d'Ivoire	140	Malaysia	230	Tanzania	320
Croatia	142	Mali	232	Thailand	322
Cyprus	144	Malta	234	Timor-Leste	324
Czech Republic	146	Mauritania	236	Trinidad and Tobago	326
Denmark	148	Mauritius	238	Tunisia	328
Dominican Republic	150	Mexico	240	Turkey	330
Ecuador	152	Moldova	242	Uganda	332
Egypt	154	Mongolia	244	Ukraine	334
El Salvador	156	Montenegro	246	United Arab Emirates	336
Estonia	158	Morocco	248	United Kingdom	338
Ethiopia	160	Mozambique	250	United States	340
Finland	162	Namibia	252	Uruguay	342
France	164	Nepal	254	Venezuela	344
Gambia, The	166	Netherlands	256	Vietnam	346
Georgia	168	New Zealand	258	Zambia	348
Germany	170	Nicaragua	260	Zimbabwe	350
Ghana	172	Nigeria	262		

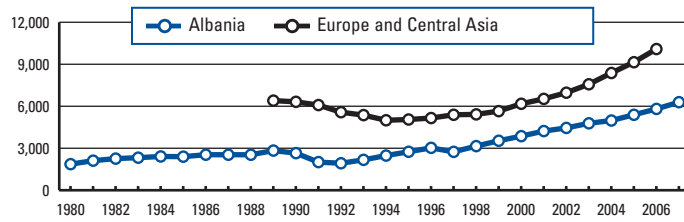


# Albania

## Key indicators

Total population (millions), 2007 .....	3.2
GDP (US\$ billions), 2007 .....	10.6
GDP per capita (US\$), 2007 .....	3,353.7
GDP (PPP) as share (%) of world total, 2007 .....	0.03

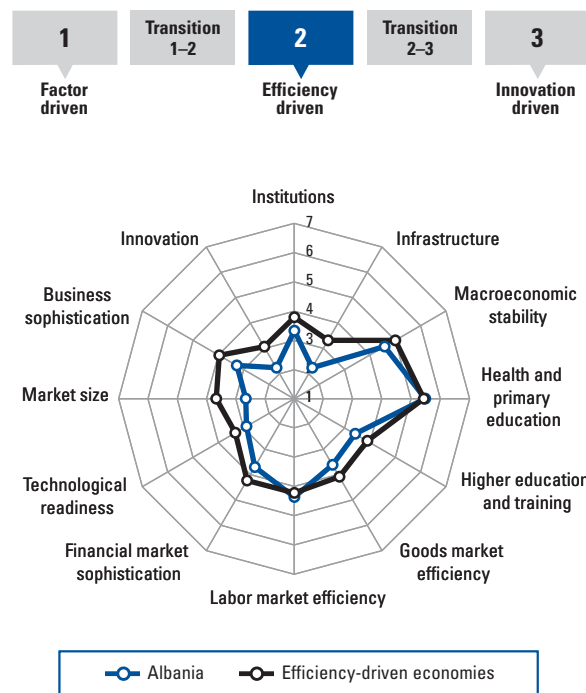
GDP (PPP US\$) per capita, 1980–2007



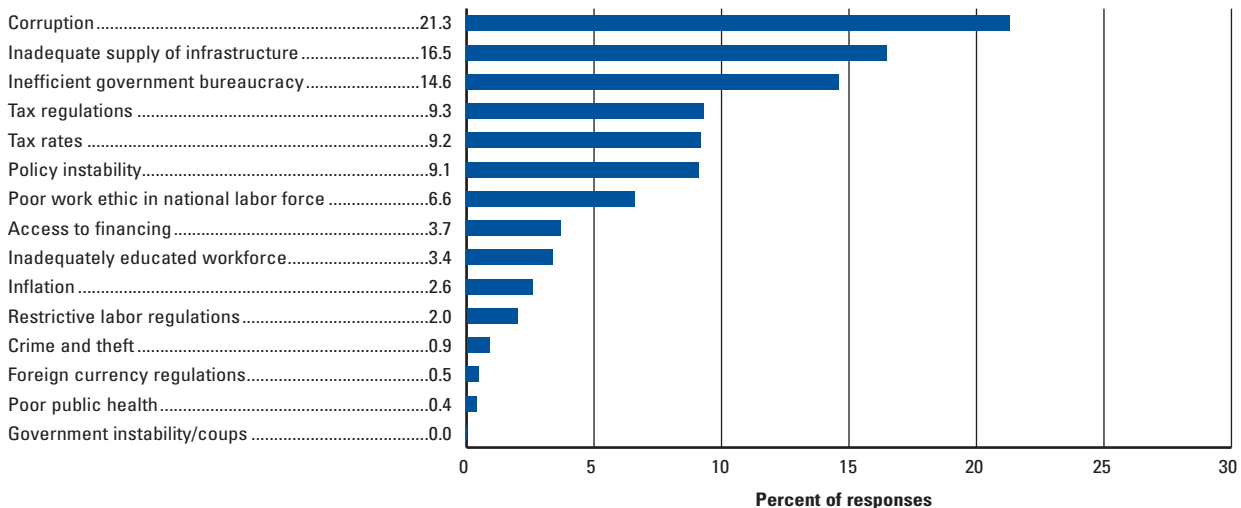
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>108</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	109	3.5
GCI 2006–2007 (out of 122) .....	98	3.6
<b>Basic requirements</b> .....	<b>100</b>	<b>3.9</b>
1st pillar: Institutions .....	109	3.3
2nd pillar: Infrastructure .....	121	2.2
3rd pillar: Macroeconomic stability .....	96	4.6
4th pillar: Health and primary education .....	69	5.5
<b>Efficiency enhancers</b> .....	<b>99</b>	<b>3.4</b>
5th pillar: Higher education and training .....	97	3.4
6th pillar: Goods market efficiency .....	119	3.6
7th pillar: Labor market efficiency .....	67	4.4
8th pillar: Financial market sophistication .....	103	3.7
9th pillar: Technological readiness .....	92	2.9
10th pillar: Market size .....	106	2.7
<b>Innovation and sophistication factors</b> .....	<b>130</b>	<b>2.7</b>
11th pillar: Business sophistication .....	123	3.3
12th pillar: Innovation .....	132	2.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	126	6.01 Intensity of local competition .....	127
1.02 Intellectual property protection .....	124	6.02 Extent of market dominance .....	126
1.03 Diversion of public funds .....	90	6.03 Effectiveness of anti-monopoly policy .....	125
1.04 Public trust of politicians .....	105	6.04 Extent and effect of taxation .....	68
1.05 Judicial independence .....	121	6.05 Total tax rate* .....	77
1.06 Favoritism in decisions of government officials .....	108	6.06 No. of procedures required to start a business* .....	75
1.07 Wastefulness of government spending .....	89	6.07 Time required to start a business* .....	86
1.08 Burden of government regulation .....	67	6.08 Agricultural policy costs .....	114
1.09 Efficiency of legal framework .....	117	6.09 Prevalence of trade barriers .....	63
1.10 Transparency of government policymaking .....	122	6.10 Trade-weighted tariff rate* .....	65
1.11 Business costs of terrorism .....	87	6.11 Prevalence of foreign ownership .....	111
1.12 Business costs of crime and violence .....	77	6.12 Business impact of rules on FDI .....	116
1.13 Organized crime .....	101	6.13 Burden of customs procedures .....	103
1.14 Reliability of police services .....	81	6.14 Degree of customer orientation .....	107
1.15 Ethical behavior of firms .....	84	6.15 Buyer sophistication .....	109
1.16 Strength of auditing and reporting standards .....	109		
1.17 Efficacy of corporate boards .....	95	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	101	7.01 Cooperation in labor-employer relations .....	46
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination .....	45
2.01 Quality of overall infrastructure .....	120	7.03 Non-wage labor costs* .....	94
2.02 Quality of roads .....	114	7.04 Rigidity of employment* .....	61
2.03 Quality of railroad infrastructure .....	109	7.05 Hiring and firing practices .....	27
2.04 Quality of port infrastructure .....	124	7.06 Firing costs* .....	85
2.05 Quality of air transport infrastructure .....	76	7.07 Pay and productivity .....	10
2.06 Available seat kilometers* .....	117	7.08 Reliance on professional management .....	103
2.07 Quality of electricity supply .....	128	7.09 Brain drain .....	104
2.08 Telephone lines* .....	85	7.10 Female participation in labor force* .....	76
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit* .....	113	8.01 Financial market sophistication .....	126
3.02 National savings rate* .....	110	8.02 Financing through local equity market .....	132
3.03 Inflation* .....	47	8.03 Ease of access to loans .....	71
3.04 Interest rate spread* .....	105	8.04 Venture capital availability .....	101
3.05 Government debt* .....	94	8.05 Restriction on capital flows .....	103
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection* .....	123
4.01 Business impact of malaria .....	62	8.07 Soundness of banks .....	104
4.02 Malaria incidence* .....	1	8.08 Regulation of securities exchanges .....	134
4.03 Business impact of tuberculosis .....	44	8.09 Legal rights index* .....	3
4.04 Tuberculosis incidence* .....	37	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS .....	56	9.01 Availability of latest technologies .....	104
4.06 HIV prevalence* .....	23	9.02 Firm-level technology absorption .....	110
4.07 Infant mortality* .....	64	9.03 Laws relating to ICT .....	103
4.08 Life expectancy* .....	76	9.04 FDI and technology transfer .....	97
4.09 Quality of primary education .....	74	9.05 Mobile telephone subscribers* .....	74
4.10 Primary enrollment* .....	65	9.06 Internet users* .....	73
4.11 Education expenditure* .....	99	9.07 Personal computers* .....	92
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers* .....	117
5.01 Secondary enrollment* .....	88	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment* .....	83	10.01 Domestic market size* .....	99
5.03 Quality of the educational system .....	80	10.02 Foreign market size* .....	115
5.04 Quality of math and science education .....	62	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	113	11.01 Local supplier quantity .....	121
5.06 Internet access in schools .....	101	11.02 Local supplier quality .....	120
5.07 Local availability of research and training services .....	124	11.03 State of cluster development .....	126
5.08 Extent of staff training .....	71	11.04 Nature of competitive advantage .....	125
		11.05 Value chain breadth .....	123
		11.06 Control of international distribution .....	91
		11.07 Production process sophistication .....	93
		11.08 Extent of marketing .....	92
		11.09 Willingness to delegate authority .....	117
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	134
		12.02 Quality of scientific research institutions .....	133
		12.03 Company spending on R&D .....	133
		12.04 University-industry research collaboration .....	134
		12.05 Gov't procurement of advanced tech products .....	119
		12.06 Availability of scientists and engineers .....	115
		12.07 Utility patents* .....	88

\* Hard data

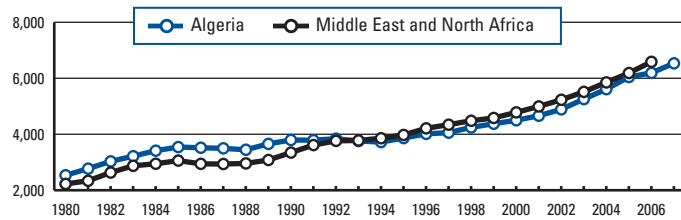
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Algeria

## Key indicators

Total population (millions), 2007 .....	33.9
GDP (US\$ billions), 2007 .....	131.6
GDP per capita (US\$), 2007 .....	3,824.7
GDP (PPP) as share (%) of world total, 2007 .....	0.35

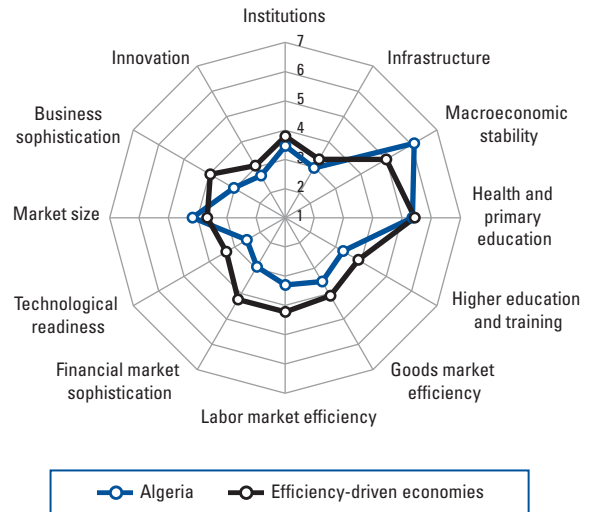
GDP (PPP US\$) per capita, 1980–2007



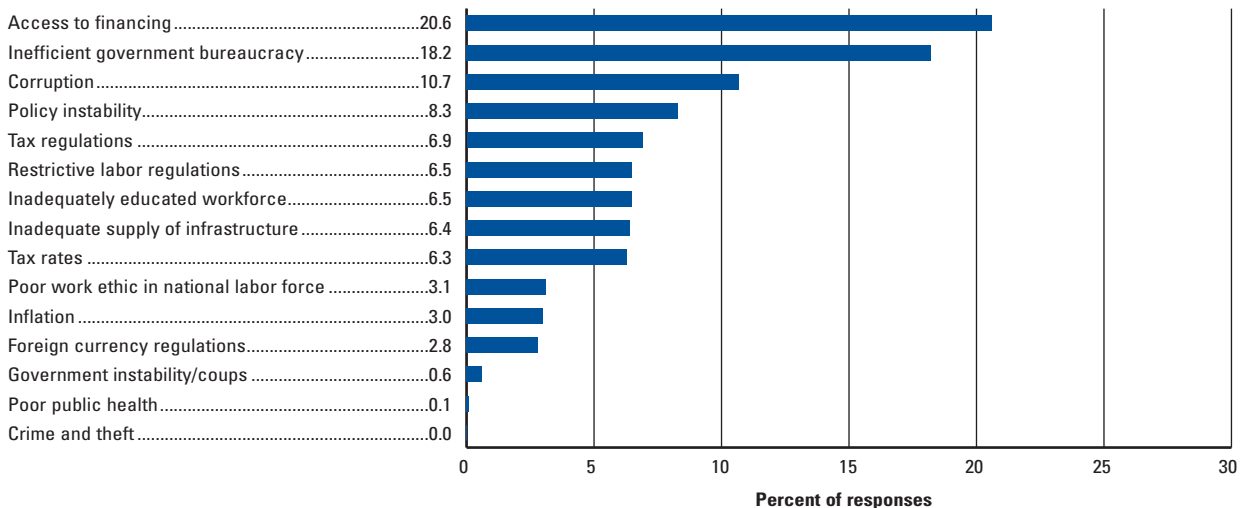
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>99</b>	<b>3.7</b>
GCI 2007–2008 (out of 131) .....	81	3.9
GCI 2006–2007 (out of 122) .....	77	3.9
<b>Basic requirements</b> .....	<b>61</b>	<b>4.5</b>
1st pillar: Institutions .....	102	3.4
2nd pillar: Infrastructure .....	84	3.0
3rd pillar: Macroeconomic stability .....	5	6.1
4th pillar: Health and primary education .....	76	5.3
<b>Efficiency enhancers</b> .....	<b>113</b>	<b>3.3</b>
5th pillar: Higher education and training .....	102	3.3
6th pillar: Goods market efficiency .....	124	3.5
7th pillar: Labor market efficiency .....	132	3.3
8th pillar: Financial market sophistication .....	132	2.9
9th pillar: Technological readiness .....	114	2.5
10th pillar: Market size .....	51	4.2
<b>Innovation and sophistication factors</b> .....	<b>126</b>	<b>2.8</b>
11th pillar: Business sophistication .....	132	3.0
12th pillar: Innovation .....	113	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....115	6.01	Intensity of local competition .....113
1.02	Intellectual property protection .....120	6.02	Extent of market dominance .....63
1.03	Diversion of public funds .....94	6.03	Effectiveness of anti-monopoly policy .....114
1.04	Public trust of politicians .....72	6.04	Extent and effect of taxation .....58
1.05	Judicial independence .....100	6.05	Total tax rate* .....118
1.06	Favoritism in decisions of government officials .....52	6.06	No. of procedures required to start a business* .....117
1.07	Wastefulness of government spending .....48	6.07	Time required to start a business* .....51
1.08	Burden of government regulation .....117	6.08	Agricultural policy costs .....106
1.09	Efficiency of legal framework .....90	6.09	Prevalence of trade barriers .....87
1.10	Transparency of government policymaking .....112	6.10	Trade-weighted tariff rate* .....128
1.11	Business costs of terrorism .....123	6.11	Prevalence of foreign ownership .....130
1.12	Business costs of crime and violence .....85	6.12	Business impact of rules on FDI .....115
1.13	Organized crime .....86	6.13	Burden of customs procedures .....126
1.14	Reliability of police services .....72	6.14	Degree of customer orientation .....131
1.15	Ethical behavior of firms .....100	6.15	Buyer sophistication .....91
1.16	Strength of auditing and reporting standards .....125	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....132	7.01	Cooperation in labor-employer relations .....129
1.18	Protection of minority shareholders' interests .....104	7.02	Flexibility of wage determination .....125
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....106
2.01	Quality of overall infrastructure .....85	7.04	Rigidity of employment* .....99
2.02	Quality of roads .....77	7.05	Hiring and firing practices .....119
2.03	Quality of railroad infrastructure .....63	7.06	Firing costs* .....28
2.04	Quality of port infrastructure .....103	7.07	Pay and productivity .....132
2.05	Quality of air transport infrastructure .....106	7.08	Reliance on professional management .....112
2.06	Available seat kilometers* .....72	7.09	Brain drain .....123
2.07	Quality of electricity supply .....74	7.10	Female participation in labor force* .....117
2.08	Telephone lines* .....95	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....130
3.01	Government surplus/deficit* .....8	8.02	Financing through local equity market .....118
3.02	National savings rate* .....4	8.03	Ease of access to loans .....122
3.03	Inflation* .....55	8.04	Venture capital availability .....118
3.04	Interest rate spread* .....77	8.05	Restriction on capital flows .....131
3.05	Government debt* .....23	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....134
4.01	Business impact of malaria .....97	8.08	Regulation of securities exchanges .....128
4.02	Malaria incidence* .....68	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....101	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....67	9.01	Availability of latest technologies .....117
4.05	Business impact of HIV/AIDS .....87	9.02	Firm-level technology absorption .....128
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....129
4.07	Infant mortality* .....95	9.04	FDI and technology transfer .....132
4.08	Life expectancy* .....76	9.05	Mobile telephone subscribers* .....71
4.09	Quality of primary education .....103	9.06	Internet users* .....98
4.10	Primary enrollment* .....50	9.07	Personal computers* .....115
4.11	Education expenditure* .....56	9.08	Broadband Internet subscribers* .....82
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....78	10.01	Domestic market size* .....52
5.02	Tertiary enrollment* .....80	10.02	Foreign market size* .....41
5.03	Quality of the educational system .....122	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....99	11.01	Local supplier quantity .....113
5.05	Quality of management schools .....117	11.02	Local supplier quality .....130
5.06	Internet access in schools .....113	11.03	State of cluster development .....120
5.07	Local availability of research and training services .....111	11.04	Nature of competitive advantage .....130
5.08	Extent of staff training .....128	11.05	Value chain breadth .....132
		11.06	Control of international distribution .....126
		11.07	Production process sophistication .....122
		11.08	Extent of marketing .....130
		11.09	Willingness to delegate authority .....132
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....133
		12.02	Quality of scientific research institutions .....108
		12.03	Company spending on R&D .....116
		12.04	University-industry research collaboration .....124
		12.05	Gov't procurement of advanced tech products .....118
		12.06	Availability of scientists and engineers .....41
		12.07	Utility patents* .....88

\* Hard data

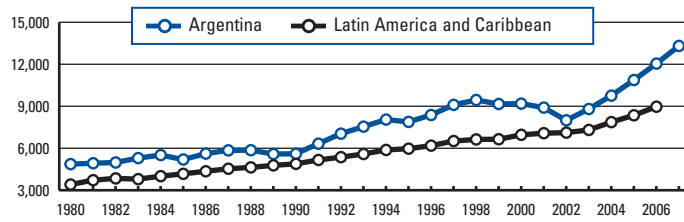
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Argentina

## Key indicators

Total population (millions), 2007 .....	39.5
GDP (US\$ billions), 2007 .....	260.0
GDP per capita (US\$), 2007 .....	6,606.3
GDP (PPP) as share (%) of world total, 2007 .....	0.80

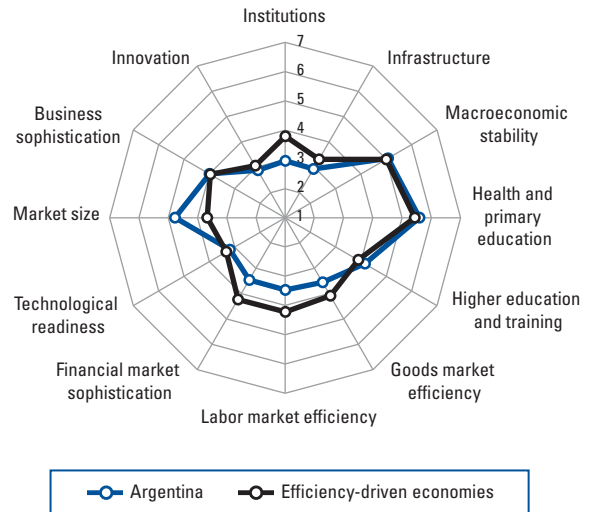
GDP (PPP US\$) per capita, 1980–2007



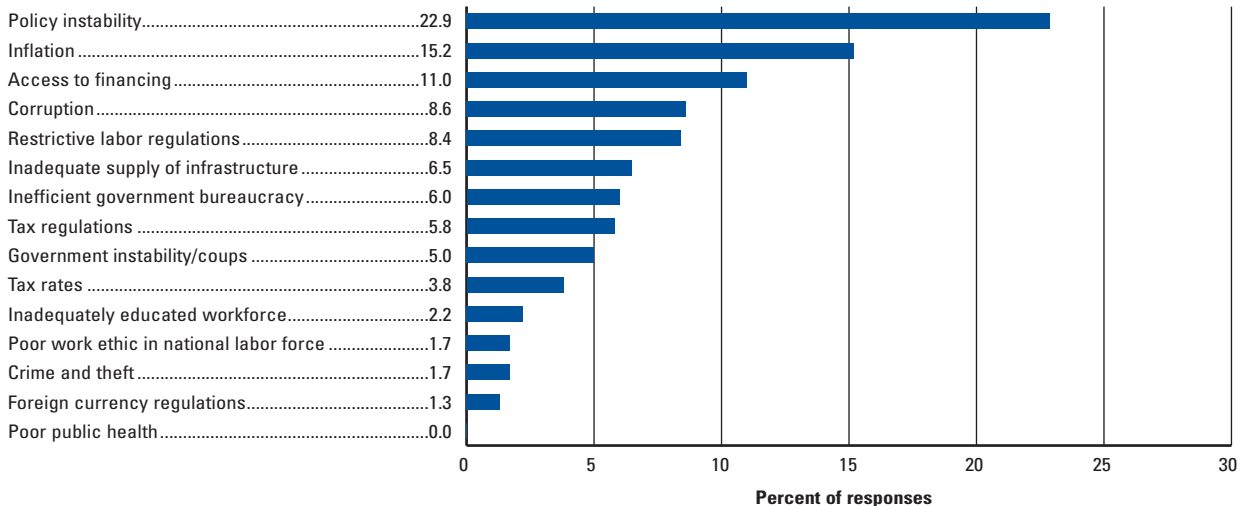
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>88</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	85	3.9
GCI 2006–2007 (out of 122) .....	70	4.0
<b>Basic requirements</b> .....	<b>89</b>	<b>4.1</b>
1st pillar: Institutions .....	128	2.9
2nd pillar: Infrastructure .....	87	2.9
3rd pillar: Macroeconomic stability .....	64	5.1
4th pillar: Health and primary education .....	61	5.6
<b>Efficiency enhancers</b> .....	<b>81</b>	<b>3.8</b>
5th pillar: Higher education and training .....	56	4.1
6th pillar: Goods market efficiency .....	122	3.6
7th pillar: Labor market efficiency .....	130	3.5
8th pillar: Financial market sophistication .....	117	3.5
9th pillar: Technological readiness .....	76	3.2
10th pillar: Market size .....	24	4.8
<b>Innovation and sophistication factors</b> .....	<b>81</b>	<b>3.4</b>
11th pillar: Business sophistication .....	71	4.0
12th pillar: Innovation .....	98	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	127 ■	6.01 Intensity of local competition .....	109 ■
1.02 Intellectual property protection .....	116 ■	6.02 Extent of market dominance .....	84 ■
1.03 Diversion of public funds .....	125 ■	6.03 Effectiveness of anti-monopoly policy .....	106 ■
1.04 Public trust of politicians .....	131 ■	6.04 Extent and effect of taxation .....	130 ■
1.05 Judicial independence .....	125 ■	6.05 Total tax rate* .....	126 ■
1.06 Favoritism in decisions of government officials .....	128 ■	6.06 No. of procedures required to start a business* .....	117 ■
1.07 Wastefulness of government spending .....	126 ■	6.07 Time required to start a business* .....	70 ■
1.08 Burden of government regulation .....	119 ■	6.08 Agricultural policy costs .....	120 ■
1.09 Efficiency of legal framework .....	126 ■	6.09 Prevalence of trade barriers .....	129 ■
1.10 Transparency of government policymaking .....	132 ■	6.10 Trade-weighted tariff rate* .....	90 ■
1.11 Business costs of terrorism .....	38 ■	6.11 Prevalence of foreign ownership .....	96 ■
1.12 Business costs of crime and violence .....	111 ■	6.12 Business impact of rules on FDI .....	126 ■
1.13 Organized crime .....	94 ■	6.13 Burden of customs procedures .....	116 ■
1.14 Reliability of police services .....	130 ■	6.14 Degree of customer orientation .....	111 ■
1.15 Ethical behavior of firms .....	120 ■	6.15 Buyer sophistication .....	48 ■
1.16 Strength of auditing and reporting standards .....	100 ■	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	91 ■	7.01 Cooperation in labor-employer relations .....	120 ■
1.18 Protection of minority shareholders' interests .....	117 ■	7.02 Flexibility of wage determination .....	128 ■
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	103 ■
2.01 Quality of overall infrastructure .....	89 ■	7.04 Rigidity of employment* .....	79 ■
2.02 Quality of roads .....	89 ■	7.05 Hiring and firing practices .....	120 ■
2.03 Quality of railroad infrastructure .....	76 ■	7.06 Firing costs* .....	121 ■
2.04 Quality of port infrastructure .....	92 ■	7.07 Pay and productivity .....	125 ■
2.05 Quality of air transport infrastructure .....	123 ■	7.08 Reliance on professional management .....	54 ■
2.06 Available seat kilometers* .....	30 ■	7.09 Brain drain .....	59 ■
2.07 Quality of electricity supply .....	102 ■	7.10 Female participation in labor force* .....	66 ■
2.08 Telephone lines* .....	57 ■	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	88 ■
3.01 Government surplus/deficit* .....	41 ■	8.02 Financing through local equity market .....	103 ■
3.02 National savings rate* .....	41 ■	8.03 Ease of access to loans .....	119 ■
3.03 Inflation* .....	108 ■	8.04 Venture capital availability .....	108 ■
3.04 Interest rate spread* .....	24 ■	8.05 Restriction on capital flows .....	127 ■
3.05 Government debt* .....	97 ■	8.06 Strength of investor protection* .....	81 ■
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	129 ■
4.01 Business impact of malaria .....	49 ■	8.08 Regulation of securities exchanges .....	74 ■
4.02 Malaria incidence* .....	65 ■	8.09 Legal rights index* .....	93 ■
4.03 Business impact of tuberculosis .....	49 ■	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	55 ■	9.01 Availability of latest technologies .....	99 ■
4.05 Business impact of HIV/AIDS .....	66 ■	9.02 Firm-level technology absorption .....	83 ■
4.06 HIV prevalence* .....	79 ■	9.03 Laws relating to ICT .....	106 ■
4.07 Infant mortality* .....	60 ■	9.04 FDI and technology transfer .....	111 ■
4.08 Life expectancy* .....	42 ■	9.05 Mobile telephone subscribers* .....	49 ■
4.09 Quality of primary education .....	97 ■	9.06 Internet users* .....	60 ■
4.10 Primary enrollment* .....	14 ■	9.07 Personal computers* .....	66 ■
4.11 Education expenditure* .....	76 ■	9.08 Broadband Internet subscribers* .....	48 ■
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	75 ■	10.01 Domestic market size* .....	21 ■
5.02 Tertiary enrollment* .....	22 ■	10.02 Foreign market size* .....	38 ■
5.03 Quality of the educational system .....	105 ■	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	98 ■	11.01 Local supplier quantity .....	62 ■
5.05 Quality of management schools .....	26 ■	11.02 Local supplier quality .....	65 ■
5.06 Internet access in schools .....	90 ■	11.03 State of cluster development .....	82 ■
5.07 Local availability of research and training services .....	60 ■	11.04 Nature of competitive advantage .....	127 ■
5.08 Extent of staff training .....	86 ■	11.05 Value chain breadth .....	106 ■
		11.06 Control of international distribution .....	108 ■
		11.07 Production process sophistication .....	71 ■
		11.08 Extent of marketing .....	43 ■
		11.09 Willingness to delegate authority .....	55 ■
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	79 ■
		12.02 Quality of scientific research institutions .....	90 ■
		12.03 Company spending on R&D .....	81 ■
		12.04 University-industry research collaboration .....	75 ■
		12.05 Gov't procurement of advanced tech products .....	123 ■
		12.06 Availability of scientists and engineers .....	81 ■
		12.07 Utility patents* .....	45 ■

\* Hard data

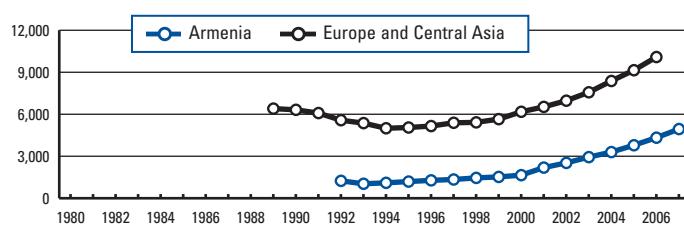
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Armenia

## Key indicators

Total population (millions), 2007 .....	3.0
GDP (US\$ billions), 2007 .....	8.0
GDP per capita (US\$), 2007 .....	2,297.5
GDP (PPP) as share (%) of world total, 2007 .....	0.03

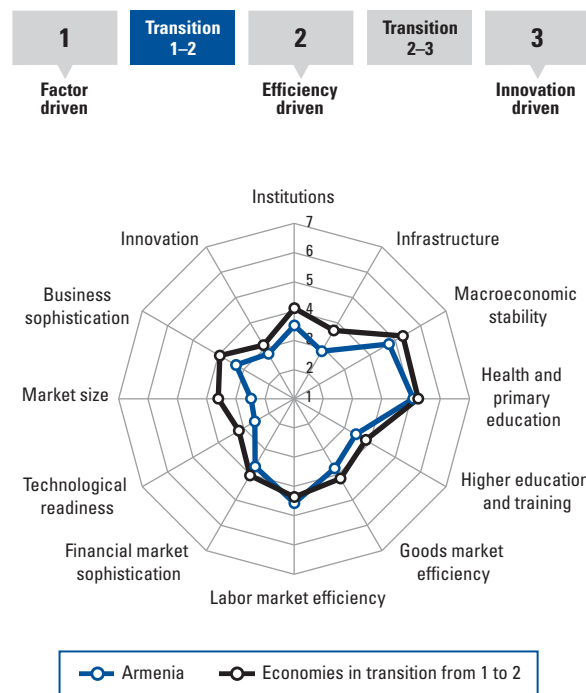
GDP (PPP US\$) per capita, 1980–2007



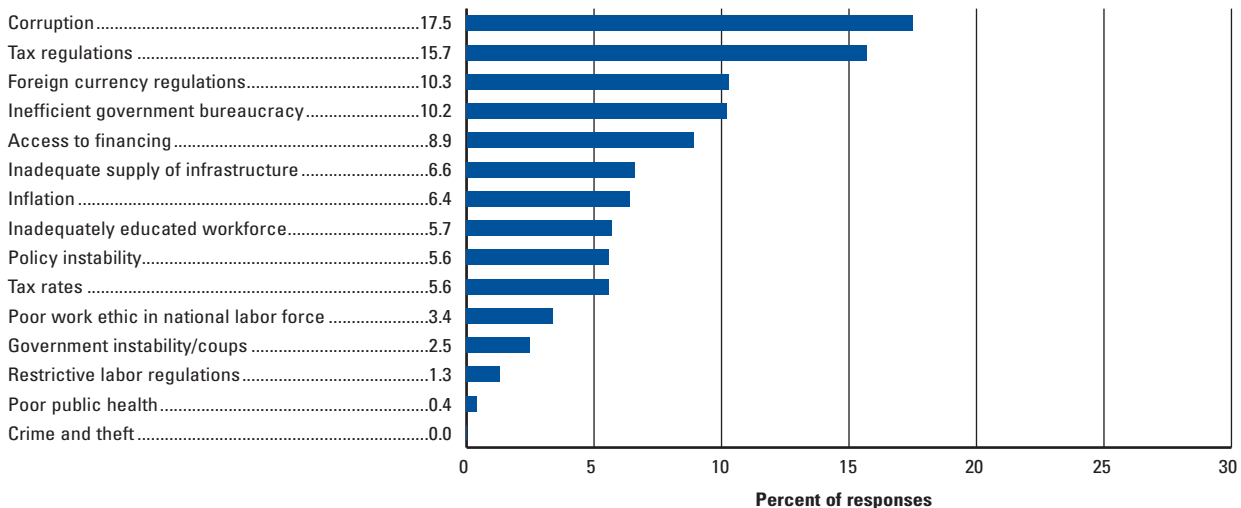
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>97</b>	<b>3.7</b>
GCI 2007–2008 (out of 131) .....	93	3.8
GCI 2006–2007 (out of 122) .....	80	3.9
<b>Basic requirements</b> .....	<b>93</b>	<b>4.0</b>
1st pillar: Institutions .....	96	3.5
2nd pillar: Infrastructure .....	90	2.9
3rd pillar: Macroeconomic stability .....	83	4.7
4th pillar: Health and primary education .....	97	5.1
<b>Efficiency enhancers</b> .....	<b>103</b>	<b>3.4</b>
5th pillar: Higher education and training .....	94	3.4
6th pillar: Goods market efficiency .....	110	3.7
7th pillar: Labor market efficiency .....	45	4.6
8th pillar: Financial market sophistication .....	107	3.7
9th pillar: Technological readiness .....	112	2.6
10th pillar: Market size .....	111	2.5
<b>Innovation and sophistication factors</b> .....	<b>113</b>	<b>3.0</b>
11th pillar: Business sophistication .....	120	3.3
12th pillar: Innovation .....	106	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	69 ■	6.01 Intensity of local competition .....	132 ■
1.02 Intellectual property protection .....	108 ■	6.02 Extent of market dominance .....	133 ■
1.03 Diversion of public funds .....	110 ■	6.03 Effectiveness of anti-monopoly policy .....	132 ■
1.04 Public trust of politicians .....	104 ■	6.04 Extent and effect of taxation .....	84 ■
1.05 Judicial independence .....	123 ■	6.05 Total tax rate* .....	42 ■
1.06 Favoritism in decisions of government officials .....	94 ■	6.06 No. of procedures required to start a business* .....	58 ■
1.07 Wastefulness of government spending .....	77 ■	6.07 Time required to start a business* .....	38 ■
1.08 Burden of government regulation .....	71 ■	6.08 Agricultural policy costs .....	30 ■
1.09 Efficiency of legal framework .....	97 ■	6.09 Prevalence of trade barriers .....	104 ■
1.10 Transparency of government policymaking .....	103 ■	6.10 Trade-weighted tariff rate* .....	41 ■
1.11 Business costs of terrorism .....	33 ■	6.11 Prevalence of foreign ownership .....	84 ■
1.12 Business costs of crime and violence .....	32 ■	6.12 Business impact of rules on FDI .....	87 ■
1.13 Organized crime .....	67 ■	6.13 Burden of customs procedures .....	122 ■
1.14 Reliability of police services .....	95 ■	6.14 Degree of customer orientation .....	108 ■
1.15 Ethical behavior of firms .....	115 ■	6.15 Buyer sophistication .....	88 ■
1.16 Strength of auditing and reporting standards .....	97 ■	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	123 ■	7.01 Cooperation in labor-employer relations .....	58 ■
1.18 Protection of minority shareholders' interests .....	124 ■	7.02 Flexibility of wage determination .....	34 ■
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	80 ■
2.01 Quality of overall infrastructure .....	91 ■	7.04 Rigidity of employment* .....	51 ■
2.02 Quality of roads .....	79 ■	7.05 Hiring and firing practices .....	16 ■
2.03 Quality of railroad infrastructure .....	83 ■	7.06 Firing costs* .....	19 ■
2.04 Quality of port infrastructure .....	115 ■	7.07 Pay and productivity .....	47 ■
2.05 Quality of air transport infrastructure .....	85 ■	7.08 Reliance on professional management .....	125 ■
2.06 Available seat kilometers* .....	99 ■	7.09 Brain drain .....	106 ■
2.07 Quality of electricity supply .....	89 ■	7.10 Female participation in labor force* .....	41 ■
2.08 Telephone lines* .....	65 ■	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	107 ■
3.01 Government surplus/deficit* .....	103 ■	8.02 Financing through local equity market .....	112 ■
3.02 National savings rate* .....	38 ■	8.03 Ease of access to loans .....	120 ■
3.03 Inflation* .....	61 ■	8.04 Venture capital availability .....	130 ■
3.04 Interest rate spread* .....	117 ■	8.05 Restriction on capital flows .....	60 ■
3.05 Government debt* .....	26 ■	8.06 Strength of investor protection* .....	67 ■
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	88 ■
4.01 Business impact of malaria .....	67 ■	8.08 Regulation of securities exchanges .....	119 ■
4.02 Malaria incidence* .....	67 ■	8.09 Legal rights index* .....	52 ■
4.03 Business impact of tuberculosis .....	69 ■	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	75 ■	9.01 Availability of latest technologies .....	116 ■
4.05 Business impact of HIV/AIDS .....	49 ■	9.02 Firm-level technology absorption .....	109 ■
4.06 HIV prevalence* .....	23 ■	9.03 Laws relating to ICT .....	105 ■
4.07 Infant mortality* .....	84 ■	9.04 FDI and technology transfer .....	92 ■
4.08 Life expectancy* .....	87 ■	9.05 Mobile telephone subscribers* .....	123 ■
4.09 Quality of primary education .....	82 ■	9.06 Internet users* .....	102 ■
4.10 Primary enrollment* .....	109 ■	9.07 Personal computers* .....	62 ■
4.11 Education expenditure* .....	97 ■	9.08 Broadband Internet subscribers* .....	102 ■
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	57 ■	10.01 Domestic market size* .....	106 ■
5.02 Tertiary enrollment* .....	65 ■	10.02 Foreign market size* .....	125 ■
5.03 Quality of the educational system .....	98 ■	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	76 ■	11.01 Local supplier quantity .....	114 ■
5.05 Quality of management schools .....	124 ■	11.02 Local supplier quality .....	111 ■
5.06 Internet access in schools .....	103 ■	11.03 State of cluster development .....	130 ■
5.07 Local availability of research and training services .....	125 ■	11.04 Nature of competitive advantage .....	60 ■
5.08 Extent of staff training .....	117 ■	11.05 Value chain breadth .....	94 ■
		11.06 Control of international distribution .....	122 ■
		11.07 Production process sophistication .....	103 ■
		11.08 Extent of marketing .....	123 ■
		11.09 Willingness to delegate authority .....	123 ■
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	68 ■
		12.02 Quality of scientific research institutions .....	101 ■
		12.03 Company spending on R&D .....	96 ■
		12.04 University-industry research collaboration .....	116 ■
		12.05 Gov't procurement of advanced tech products .....	122 ■
		12.06 Availability of scientists and engineers .....	80 ■
		12.07 Utility patents* .....	63 ■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

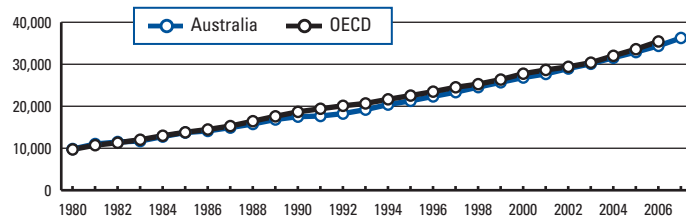


# Australia

## Key indicators

Total population (millions), 2007 .....	20.6
GDP (US\$ billions), 2007 .....	908.8
GDP per capita (US\$), 2007 .....	43,312.3
GDP (PPP) as share (%) of world total, 2007 .....	1.18

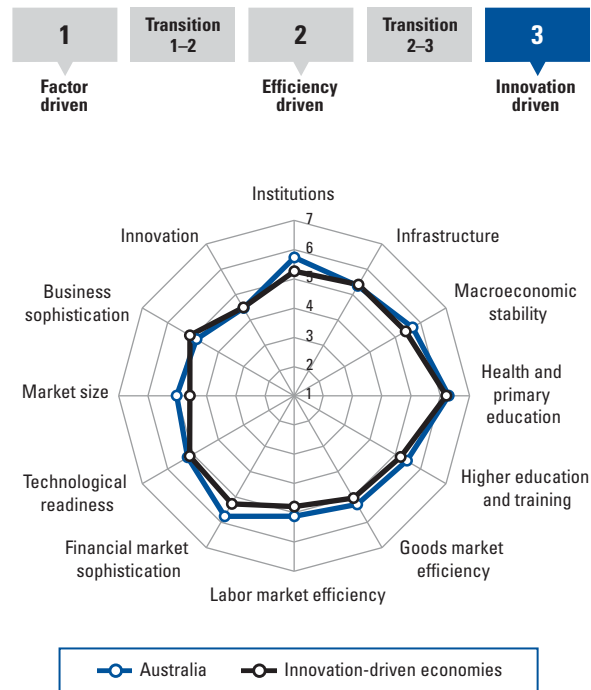
GDP (PPP US\$) per capita, 1980–2007



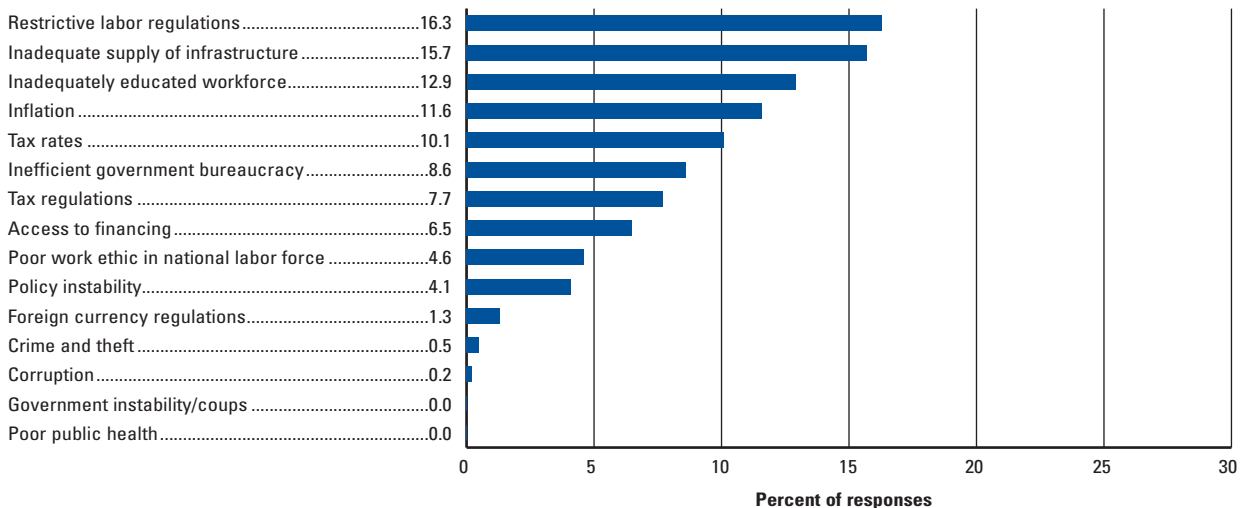
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>18</b>	<b>5.2</b>
GCI 2007–2008 (out of 131) .....	19	5.2
GCI 2006–2007 (out of 122) .....	16	5.2
<b>Basic requirements</b> .....	<b>15</b>	<b>5.7</b>
1st pillar: Institutions .....	12	5.7
2nd pillar: Infrastructure .....	21	5.3
3rd pillar: Macroeconomic stability .....	28	5.7
4th pillar: Health and primary education .....	15	6.3
<b>Efficiency enhancers</b> .....	<b>10</b>	<b>5.3</b>
5th pillar: Higher education and training .....	14	5.4
6th pillar: Goods market efficiency .....	10	5.3
7th pillar: Labor market efficiency .....	9	5.1
8th pillar: Financial market sophistication .....	6	5.8
9th pillar: Technological readiness .....	19	5.2
10th pillar: Market size .....	19	5.0
<b>Innovation and sophistication factors</b> .....	<b>22</b>	<b>4.7</b>
11th pillar: Business sophistication .....	26	4.9
12th pillar: Innovation .....	20	4.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	13
1.02 Intellectual property protection	10
1.03 Diversion of public funds	8
1.04 Public trust of politicians	15
1.05 Judicial independence	8
1.06 Favoritism in decisions of government officials	10
1.07 Wastefulness of government spending	16
1.08 Burden of government regulation	85
1.09 Efficiency of legal framework	10
1.10 Transparency of government policymaking	9
1.11 Business costs of terrorism	74
1.12 Business costs of crime and violence	38
1.13 Organized crime	27
1.14 Reliability of police services	14
1.15 Ethical behavior of firms	10
1.16 Strength of auditing and reporting standards	3
1.17 Efficacy of corporate boards	2
1.18 Protection of minority shareholders' interests	12
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	25
2.02 Quality of roads	31
2.03 Quality of railroad infrastructure	26
2.04 Quality of port infrastructure	41
2.05 Quality of air transport infrastructure	19
2.06 Available seat kilometers*	8
2.07 Quality of electricity supply	22
2.08 Telephone lines*	18
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	45
3.02 National savings rate*	69
3.03 Inflation*	34
3.04 Interest rate spread*	68
3.05 Government debt*	20
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	30
4.02 Malaria incidence*	73
4.03 Business impact of tuberculosis	17
4.04 Tuberculosis incidence*	8
4.05 Business impact of HIV/AIDS	35
4.06 HIV prevalence*	50
4.07 Infant mortality*	26
4.08 Life expectancy*	2
4.09 Quality of primary education	10
4.10 Primary enrollment*	39
4.11 Education expenditure*	48
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	1
5.02 Tertiary enrollment*	15
5.03 Quality of the educational system	9
5.04 Quality of math and science education	19
5.05 Quality of management schools	11
5.06 Internet access in schools	18
5.07 Local availability of research and training services	15
5.08 Extent of staff training	17

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	18
6.02 Extent of market dominance	14
6.03 Effectiveness of anti-monopoly policy	5
6.04 Extent and effect of taxation	62
6.05 Total tax rate*	88
6.06 No. of procedures required to start a business*	1
6.07 Time required to start a business*	1
6.08 Agricultural policy costs	5
6.09 Prevalence of trade barriers	22
6.10 Trade-weighted tariff rate*	97
6.11 Prevalence of foreign ownership	37
6.12 Business impact of rules on FDI	59
6.13 Burden of customs procedures	22
6.14 Degree of customer orientation	17
6.15 Buyer sophistication	19
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	37
7.02 Flexibility of wage determination	75
7.03 Non-wage labor costs*	85
7.04 Rigidity of employment*	4
7.05 Hiring and firing practices	46
7.06 Firing costs*	7
7.07 Pay and productivity	26
7.08 Reliance on professional management	4
7.09 Brain drain	38
7.10 Female participation in labor force*	42
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	7
8.02 Financing through local equity market	12
8.03 Ease of access to loans	6
8.04 Venture capital availability	13
8.05 Restriction on capital flows	52
8.06 Strength of investor protection*	39
8.07 Soundness of banks	4
8.08 Regulation of securities exchanges	3
8.09 Legal rights index*	3
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	20
9.02 Firm-level technology absorption	17
9.03 Laws relating to ICT	15
9.04 FDI and technology transfer	12
9.05 Mobile telephone subscribers*	32
9.06 Internet users*	24
9.07 Personal computers*	16
9.08 Broadband Internet subscribers*	20
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	17
10.02 Foreign market size*	34
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	42
11.02 Local supplier quality	14
11.03 State of cluster development	34
11.04 Nature of competitive advantage	37
11.05 Value chain breadth	72
11.06 Control of international distribution	33
11.07 Production process sophistication	23
11.08 Extent of marketing	10
11.09 Willingness to delegate authority	14
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	29
12.02 Quality of scientific research institutions	8
12.03 Company spending on R&D	23
12.04 University-industry research collaboration	19
12.05 Gov't procurement of advanced tech products	30
12.06 Availability of scientists and engineers	33
12.07 Utility patents*	15

\* Hard data

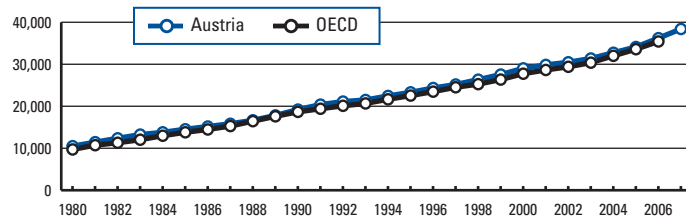
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Austria

## Key indicators

Total population (millions), 2007 .....	8.2
GDP (US\$ billions), 2007 .....	373.9
GDP per capita (US\$), 2007 .....	45,181.1
GDP (PPP) as share (%) of world total, 2007 .....	0.49

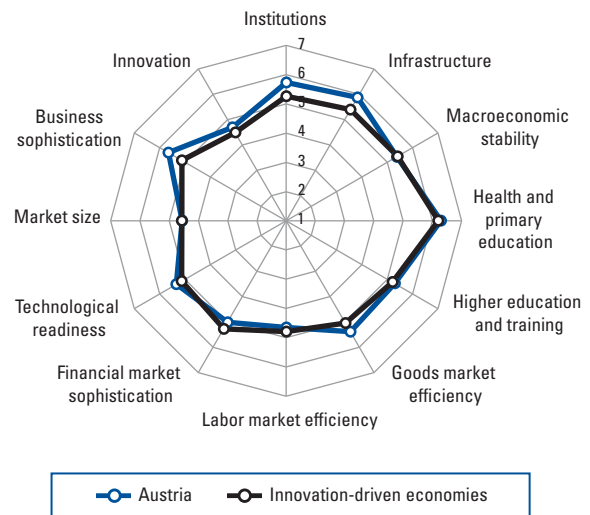
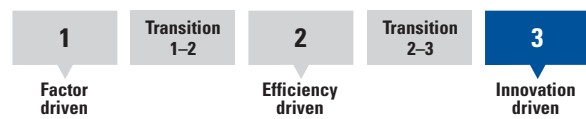
GDP (PPP US\$) per capita, 1980–2007



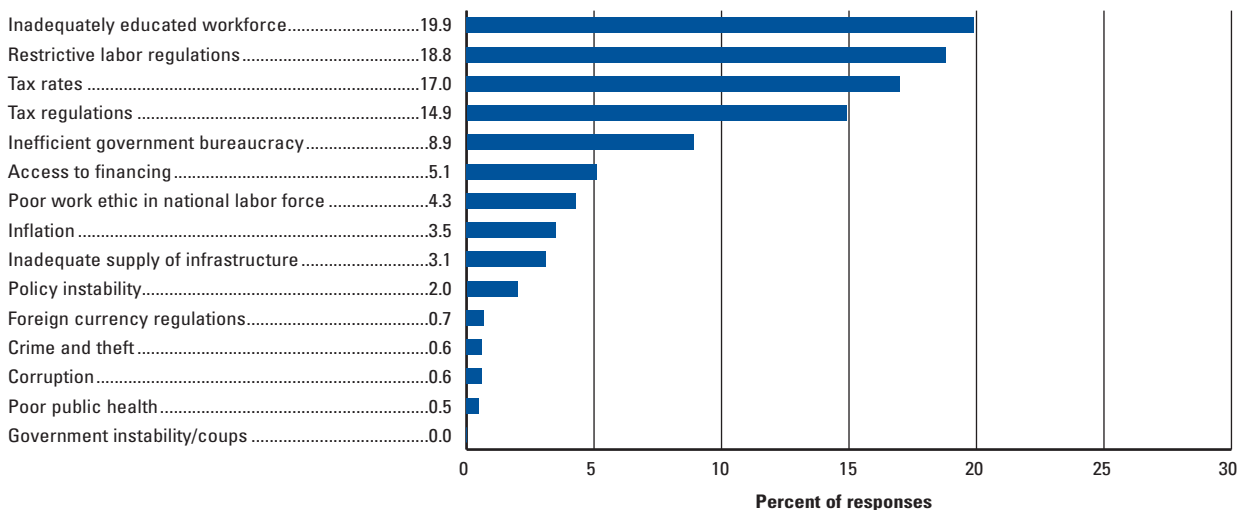
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>14</b>	<b>5.2</b>
GCI 2007–2008 (out of 131) .....	15	5.2
GCI 2006–2007 (out of 122) .....	18	5.2
<b>Basic requirements</b> .....	<b>9</b>	<b>5.8</b>
1st pillar: Institutions .....	11	5.7
2nd pillar: Infrastructure .....	10	5.9
3rd pillar: Macroeconomic stability .....	44	5.4
4th pillar: Health and primary education .....	13	6.3
<b>Efficiency enhancers</b> .....	<b>20</b>	<b>5.0</b>
5th pillar: Higher education and training .....	17	5.3
6th pillar: Goods market efficiency .....	5	5.4
7th pillar: Labor market efficiency .....	39	4.6
8th pillar: Financial market sophistication .....	33	5.0
9th pillar: Technological readiness .....	16	5.3
10th pillar: Market size .....	32	4.6
<b>Innovation and sophistication factors</b> .....	<b>12</b>	<b>5.2</b>
11th pillar: Business sophistication .....	6	5.6
12th pillar: Innovation .....	15	4.7

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	3	6.01 Intensity of local competition .....	2
1.02 Intellectual property protection .....	5	6.02 Extent of market dominance .....	3
1.03 Diversion of public funds .....	15	6.03 Effectiveness of anti-monopoly policy .....	7
1.04 Public trust of politicians .....	17	6.04 Extent and effect of taxation .....	67
1.05 Judicial independence .....	11	6.05 Total tax rate* .....	104
1.06 Favoritism in decisions of government officials .....	18	6.06 No. of procedures required to start a business* .....	44
1.07 Wastefulness of government spending .....	25	6.07 Time required to start a business* .....	64
1.08 Burden of government regulation .....	39	6.08 Agricultural policy costs .....	22
1.09 Efficiency of legal framework .....	8	6.09 Prevalence of trade barriers .....	9
1.10 Transparency of government policymaking .....	25	6.10 Trade-weighted tariff rate* .....	5
1.11 Business costs of terrorism .....	8	6.11 Prevalence of foreign ownership .....	18
1.12 Business costs of crime and violence .....	11	6.12 Business impact of rules on FDI .....	31
1.13 Organized crime .....	10	6.13 Burden of customs procedures .....	11
1.14 Reliability of police services .....	13	6.14 Degree of customer orientation .....	2
1.15 Ethical behavior of firms .....	11	6.15 Buyer sophistication .....	7
1.16 Strength of auditing and reporting standards .....	2	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	17	7.01 Cooperation in labor-employer relations .....	4
1.18 Protection of minority shareholders' interests .....	6	7.02 Flexibility of wage determination .....	133
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	112
2.01 Quality of overall infrastructure .....	6	7.04 Rigidity of employment* .....	65
2.02 Quality of roads .....	6	7.05 Hiring and firing practices .....	87
2.03 Quality of railroad infrastructure .....	12	7.06 Firing costs* .....	5
2.04 Quality of port infrastructure .....	34	7.07 Pay and productivity .....	83
2.05 Quality of air transport infrastructure .....	13	7.08 Reliance on professional management .....	14
2.06 Available seat kilometers* .....	40	7.09 Brain drain .....	22
2.07 Quality of electricity supply .....	11	7.10 Female participation in labor force* .....	45
2.08 Telephone lines* .....	27	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	17
3.01 Government surplus/deficit* .....	70	8.02 Financing through local equity market .....	35
3.02 National savings rate* .....	53	8.03 Ease of access to loans .....	37
3.03 Inflation* .....	29	8.04 Venture capital availability .....	34
3.04 Interest rate spread* .....	15	8.05 Restriction on capital flows .....	17
3.05 Government debt* .....	103	8.06 Strength of investor protection* .....	98
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	26
4.01 Business impact of malaria .....	19	8.08 Regulation of securities exchanges .....	24
4.02 Malaria incidence* .....	1	8.09 Legal rights index* .....	52
4.03 Business impact of tuberculosis .....	8	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	24	9.01 Availability of latest technologies .....	12
4.05 Business impact of HIV/AIDS .....	7	9.02 Firm-level technology absorption .....	7
4.06 HIV prevalence* .....	50	9.03 Laws relating to ICT .....	6
4.07 Infant mortality* .....	10	9.04 FDI and technology transfer .....	53
4.08 Life expectancy* .....	12	9.05 Mobile telephone subscribers* .....	12
4.09 Quality of primary education .....	16	9.06 Internet users* .....	25
4.10 Primary enrollment* .....	27	9.07 Personal computers* .....	15
4.11 Education expenditure* .....	28	9.08 Broadband Internet subscribers* .....	24
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	20	10.01 Domestic market size* .....	34
5.02 Tertiary enrollment* .....	37	10.02 Foreign market size* .....	27
5.03 Quality of the educational system .....	14	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	25	11.01 Local supplier quantity .....	3
5.05 Quality of management schools .....	16	11.02 Local supplier quality .....	1
5.06 Internet access in schools .....	7	11.03 State of cluster development .....	17
5.07 Local availability of research and training services .....	16	11.04 Nature of competitive advantage .....	7
5.08 Extent of staff training .....	18	11.05 Value chain breadth .....	10
		11.06 Control of international distribution .....	7
		11.07 Production process sophistication .....	9
		11.08 Extent of marketing .....	7
		11.09 Willingness to delegate authority .....	9
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	12
		12.02 Quality of scientific research institutions .....	18
		12.03 Company spending on R&D .....	15
		12.04 University-industry research collaboration .....	13
		12.05 Gov't procurement of advanced tech products .....	40
		12.06 Availability of scientists and engineers .....	21
		12.07 Utility patents* .....	17

\* Hard data

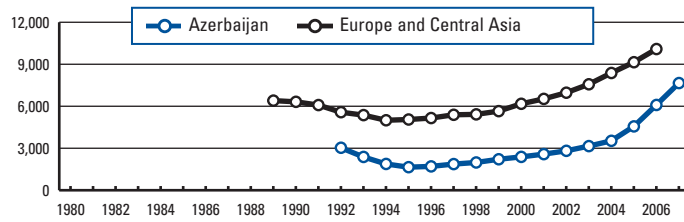
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Azerbaijan

## Key indicators

Total population (millions), 2007 .....	8.5
GDP (US\$ billions), 2007 .....	31.3
GDP per capita (US\$), 2007 .....	3,662.9
GDP (PPP) as share (%) of world total, 2007 .....	0.11

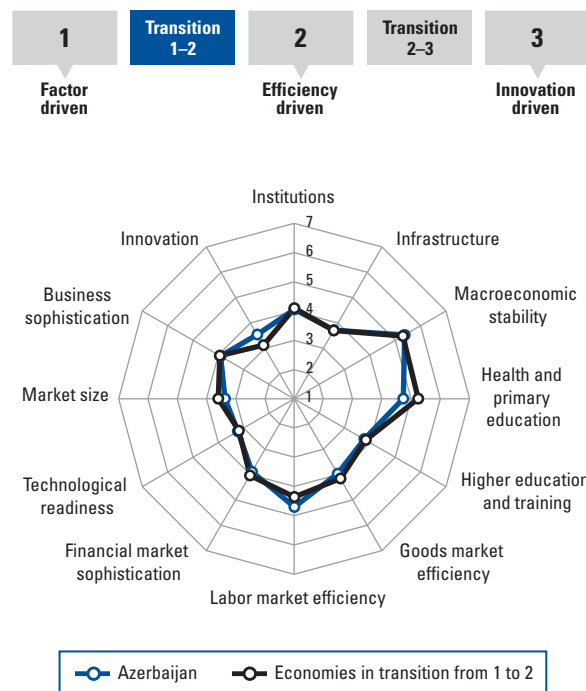
GDP (PPP US\$) per capita, 1980–2007



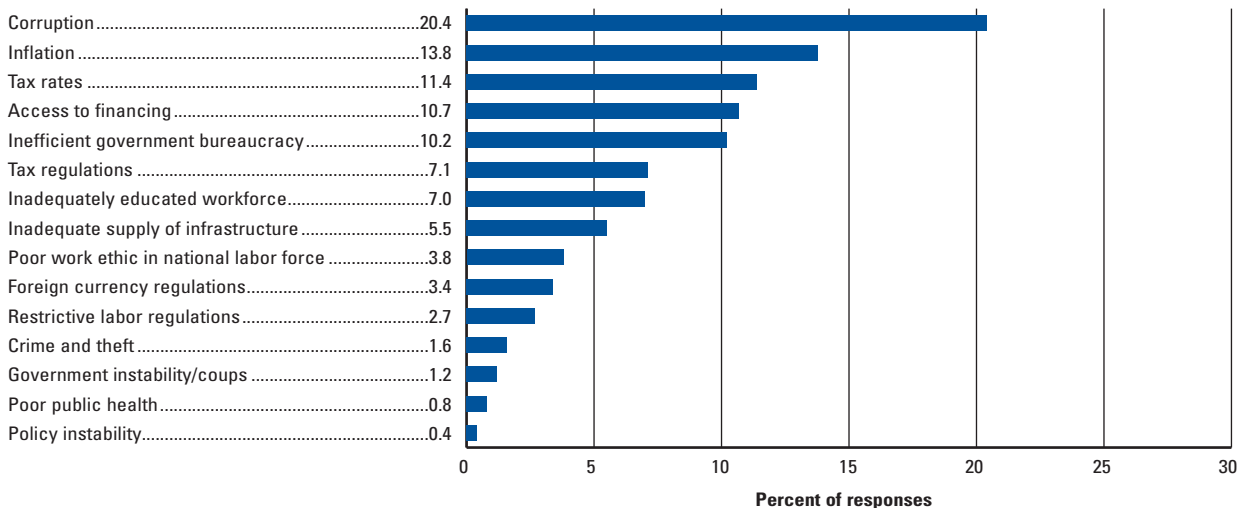
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>69</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	66	4.1
GCI 2006–2007 (out of 122) .....	62	4.1
<b>Basic requirements</b> .....	<b>62</b>	<b>4.5</b>
1st pillar: Institutions .....	62	4.0
2nd pillar: Infrastructure .....	61	3.7
3rd pillar: Macroeconomic stability .....	45	5.3
4th pillar: Health and primary education .....	102	4.7
<b>Efficiency enhancers</b> .....	<b>79</b>	<b>3.8</b>
5th pillar: Higher education and training .....	80	3.8
6th pillar: Goods market efficiency .....	89	4.0
7th pillar: Labor market efficiency .....	34	4.7
8th pillar: Financial market sophistication .....	92	3.9
9th pillar: Technological readiness .....	72	3.2
10th pillar: Market size .....	73	3.4
<b>Innovation and sophistication factors</b> .....	<b>57</b>	<b>3.7</b>
11th pillar: Business sophistication .....	81	3.9
12th pillar: Innovation .....	40	3.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....80	6.01	Intensity of local competition .....96
1.02	Intellectual property protection .....69	6.02	Extent of market dominance .....105
1.03	Diversion of public funds .....73	6.03	Effectiveness of anti-monopoly policy .....119
1.04	Public trust of politicians .....43	6.04	Extent and effect of taxation .....38
1.05	Judicial independence .....84	6.05	Total tax rate* .....60
1.06	Favoritism in decisions of government officials .....55	6.06	No. of procedures required to start a business* .....108
1.07	Wastefulness of government spending .....55	6.07	Time required to start a business* .....69
1.08	Burden of government regulation .....15	6.08	Agricultural policy costs .....57
1.09	Efficiency of legal framework .....64	6.09	Prevalence of trade barriers .....102
1.10	Transparency of government policymaking .....83	6.10	Trade-weighted tariff rate* .....73
1.11	Business costs of terrorism .....43	6.11	Prevalence of foreign ownership .....51
1.12	Business costs of crime and violence .....24	6.12	Business impact of rules on FDI .....78
1.13	Organized crime .....68	6.13	Burden of customs procedures .....63
1.14	Reliability of police services .....59	6.14	Degree of customer orientation .....70
1.15	Ethical behavior of firms .....56	6.15	Buyer sophistication .....90
1.16	Strength of auditing and reporting standards .....84	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....81	7.01	Cooperation in labor-employer relations .....45
1.18	Protection of minority shareholders' interests .....122	7.02	Flexibility of wage determination .....49
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....94
2.01	Quality of overall infrastructure .....56	7.04	Rigidity of employment* .....70
2.02	Quality of roads .....59	7.05	Hiring and firing practices .....9
2.03	Quality of railroad infrastructure .....33	7.06	Firing costs* .....35
2.04	Quality of port infrastructure .....58	7.07	Pay and productivity .....46
2.05	Quality of air transport infrastructure .....48	7.08	Reliance on professional management .....113
2.06	Available seat kilometers* .....97	7.09	Brain drain .....53
2.07	Quality of electricity supply .....90	7.10	Female participation in labor force* .....36
2.08	Telephone lines* .....80	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....77
3.01	Government surplus/deficit* .....31	8.02	Financing through local equity market .....117
3.02	National savings rate* .....2	8.03	Ease of access to loans .....100
3.03	Inflation* .....130	8.04	Venture capital availability .....60
3.04	Interest rate spread* .....95	8.05	Restriction on capital flows .....100
3.05	Government debt* .....10	8.06	Strength of investor protection* .....86
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....116
4.01	Business impact of malaria .....71	8.08	Regulation of securities exchanges .....115
4.02	Malaria incidence* .....76	8.09	Legal rights index* .....16
4.03	Business impact of tuberculosis .....78	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....77	9.01	Availability of latest technologies .....56
4.05	Business impact of HIV/AIDS .....64	9.02	Firm-level technology absorption .....52
4.06	HIV prevalence* .....50	9.03	Laws relating to ICT .....45
4.07	Infant mortality* .....111	9.04	FDI and technology transfer .....39
4.08	Life expectancy* .....101	9.05	Mobile telephone subscribers* .....87
4.09	Quality of primary education .....94	9.06	Internet users* .....88
4.10	Primary enrollment* .....105	9.07	Personal computers* .....100
4.11	Education expenditure* .....103	9.08	Broadband Internet subscribers* .....110
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....80	10.01	Domestic market size* .....80
5.02	Tertiary enrollment* .....95	10.02	Foreign market size* .....62
5.03	Quality of the educational system .....78	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....92	11.01	Local supplier quantity .....84
5.05	Quality of management schools .....119	11.02	Local supplier quality .....88
5.06	Internet access in schools .....49	11.03	State of cluster development .....107
5.07	Local availability of research and training services .....67	11.04	Nature of competitive advantage .....46
5.08	Extent of staff training .....39	11.05	Value chain breadth .....70
		11.06	Control of international distribution .....50
		11.07	Production process sophistication .....47
		11.08	Extent of marketing .....82
		11.09	Willingness to delegate authority .....78
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....39
		12.02	Quality of scientific research institutions .....40
		12.03	Company spending on R&D .....67
		12.04	University-industry research collaboration .....47
		12.05	Gov't procurement of advanced tech products .....23
		12.06	Availability of scientists and engineers .....28
		12.07	Utility patents* .....67

\* Hard data

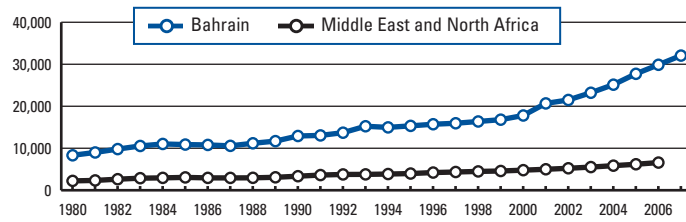
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Bahrain

## Key indicators

Total population (millions), 2007 .....	0.8
GDP (US\$ billions), 2007 .....	19.7
GDP per capita (US\$), 2007 .....	25,730.5
GDP (PPP) as share (%) of world total, 2007 .....	0.04

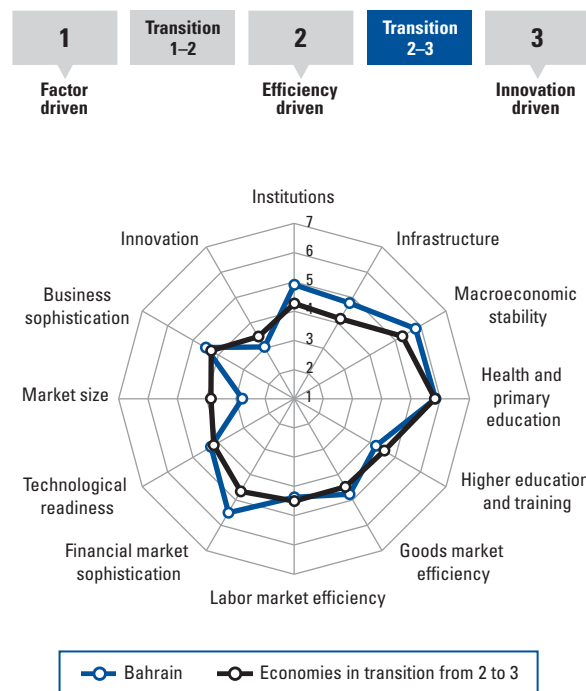
GDP (PPP US\$) per capita, 1980–2007



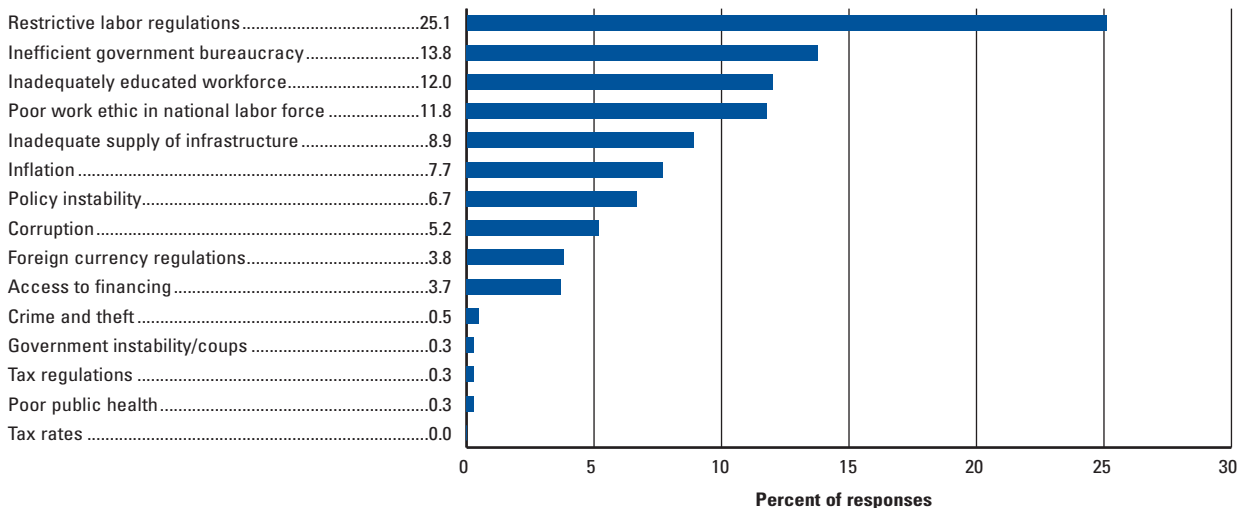
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>37</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	43	4.4
GCI 2006–2007 (out of 122) .....	48	4.3
<b>Basic requirements</b> .....	<b>28</b>	<b>5.3</b>
1st pillar: Institutions .....	31	4.9
2nd pillar: Infrastructure .....	28	4.8
3rd pillar: Macroeconomic stability .....	20	5.8
4th pillar: Health and primary education .....	45	5.8
<b>Efficiency enhancers</b> .....	<b>46</b>	<b>4.3</b>
5th pillar: Higher education and training .....	54	4.2
6th pillar: Goods market efficiency .....	32	4.8
7th pillar: Labor market efficiency .....	64	4.4
8th pillar: Financial market sophistication .....	14	5.5
9th pillar: Technological readiness .....	39	4.3
10th pillar: Market size .....	100	2.8
<b>Innovation and sophistication factors</b> .....	<b>54</b>	<b>3.8</b>
11th pillar: Business sophistication .....	44	4.5
12th pillar: Innovation .....	75	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	37 .....	6.01 Intensity of local competition .....	46 .....
1.02 Intellectual property protection .....	27 .....	6.02 Extent of market dominance .....	48 .....
1.03 Diversion of public funds .....	34 .....	6.03 Effectiveness of anti-monopoly policy .....	45 .....
1.04 Public trust of politicians .....	32 .....	6.04 Extent and effect of taxation .....	2 .....
1.05 Judicial independence .....	48 .....	6.05 Total tax rate* .....	n/a
1.06 Favoritism in decisions of government officials .....	35 .....	6.06 No. of procedures required to start a business* .....	n/a
1.07 Wastefulness of government spending .....	17 .....	6.07 Time required to start a business* .....	n/a
1.08 Burden of government regulation .....	17 .....	6.08 Agricultural policy costs .....	19 .....
1.09 Efficiency of legal framework .....	50 .....	6.09 Prevalence of trade barriers .....	24 .....
1.10 Transparency of government policymaking .....	31 .....	6.10 Trade-weighted tariff rate* .....	61 .....
1.11 Business costs of terrorism .....	75 .....	6.11 Prevalence of foreign ownership .....	14 .....
1.12 Business costs of crime and violence .....	28 .....	6.12 Business impact of rules on FDI .....	6 .....
1.13 Organized crime .....	18 .....	6.13 Burden of customs procedures .....	17 .....
1.14 Reliability of police services .....	33 .....	6.14 Degree of customer orientation .....	44 .....
1.15 Ethical behavior of firms .....	32 .....	6.15 Buyer sophistication .....	36 .....
1.16 Strength of auditing and reporting standards .....	25 .....		
1.17 Efficacy of corporate boards .....	31 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	22 .....	7.01 Cooperation in labor-employer relations .....	75 .....
		7.02 Flexibility of wage determination .....	13 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	n/a
2.01 Quality of overall infrastructure .....	32 .....	7.04 Rigidity of employment* .....	n/a
2.02 Quality of roads .....	26 .....	7.05 Hiring and firing practices .....	72 .....
2.03 Quality of railroad infrastructure .....	n/a	7.06 Firing costs* .....	n/a
2.04 Quality of port infrastructure .....	22 .....	7.07 Pay and productivity .....	54 .....
2.05 Quality of air transport infrastructure .....	21 .....	7.08 Reliance on professional management .....	49 .....
2.06 Available seat kilometers* .....	53 .....	7.09 Brain drain .....	23 .....
2.07 Quality of electricity supply .....	41 .....	7.10 Female participation in labor force* .....	130 .....
2.08 Telephone lines* .....	51 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	20 .....
3.01 Government surplus/deficit* .....	18 .....	8.02 Financing through local equity market .....	37 .....
3.02 National savings rate* .....	30 .....	8.03 Ease of access to loans .....	23 .....
3.03 Inflation* .....	51 .....	8.04 Venture capital availability .....	26 .....
3.04 Interest rate spread* .....	43 .....	8.05 Restriction on capital flows .....	10 .....
3.05 Government debt* .....	49 .....	8.06 Strength of investor protection* .....	n/a
		8.07 Soundness of banks .....	22 .....
<b>4th pillar: Health and primary education</b>		8.08 Regulation of securities exchanges .....	30 .....
4.01 Business impact of malaria .....	46 .....	8.09 Legal rights index* .....	n/a
4.02 Malaria incidence* .....	1 .....		
4.03 Business impact of tuberculosis .....	55 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	59 .....	9.01 Availability of latest technologies .....	24 .....
4.05 Business impact of HIV/AIDS .....	44 .....	9.02 Firm-level technology absorption .....	36 .....
4.06 HIV prevalence* .....	50 .....	9.03 Laws relating to ICT .....	37 .....
4.07 Infant mortality* .....	45 .....	9.04 FDI and technology transfer .....	34 .....
4.08 Life expectancy* .....	42 .....	9.05 Mobile telephone subscribers* .....	5 .....
4.09 Quality of primary education .....	65 .....	9.06 Internet users* .....	47 .....
4.10 Primary enrollment* .....	18 .....	9.07 Personal computers* .....	44 .....
4.11 Education expenditure* .....	62 .....	9.08 Broadband Internet subscribers* .....	42 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	19 .....	10.01 Domestic market size* .....	108 .....
5.02 Tertiary enrollment* .....	64 .....	10.02 Foreign market size* .....	76 .....
5.03 Quality of the educational system .....	56 .....		
5.04 Quality of math and science education .....	68 .....	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	85 .....	11.01 Local supplier quantity .....	47 .....
5.06 Internet access in schools .....	37 .....	11.02 Local supplier quality .....	38 .....
5.07 Local availability of research and training services .....	72 .....	11.03 State of cluster development .....	38 .....
5.08 Extent of staff training .....	60 .....	11.04 Nature of competitive advantage .....	44 .....
		11.05 Value chain breadth .....	51 .....
		11.06 Control of international distribution .....	26 .....
		11.07 Production process sophistication .....	50 .....
		11.08 Extent of marketing .....	60 .....
		11.09 Willingness to delegate authority .....	49 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	118 .....
		12.02 Quality of scientific research institutions .....	100 .....
		12.03 Company spending on R&D .....	82 .....
		12.04 University-industry research collaboration .....	101 .....
		12.05 Gov't procurement of advanced tech products .....	27 .....
		12.06 Availability of scientists and engineers .....	94 .....
		12.07 Utility patents* .....	88 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

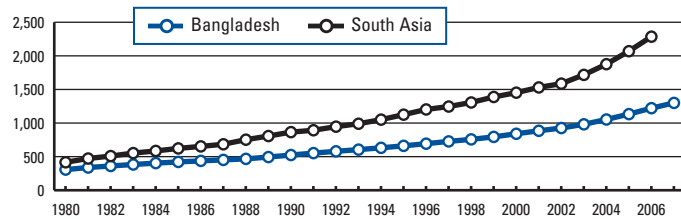


# Bangladesh

## Key indicators

Total population (millions), 2007 .....	147.1
GDP (US\$ billions), 2007 .....	72.4
GDP per capita (US\$), 2007 .....	455.5
GDP (PPP) as share (%) of world total, 2007 .....	0.32

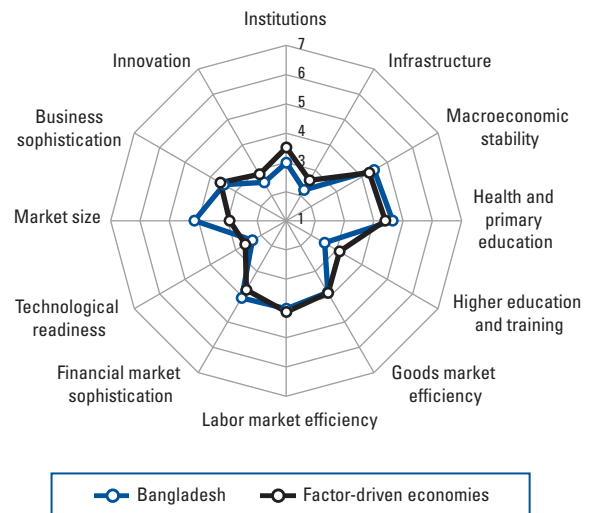
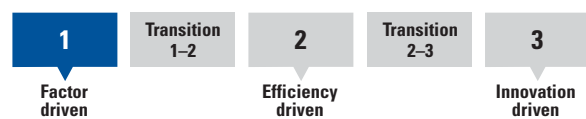
GDP (PPP US\$) per capita, 1980–2007



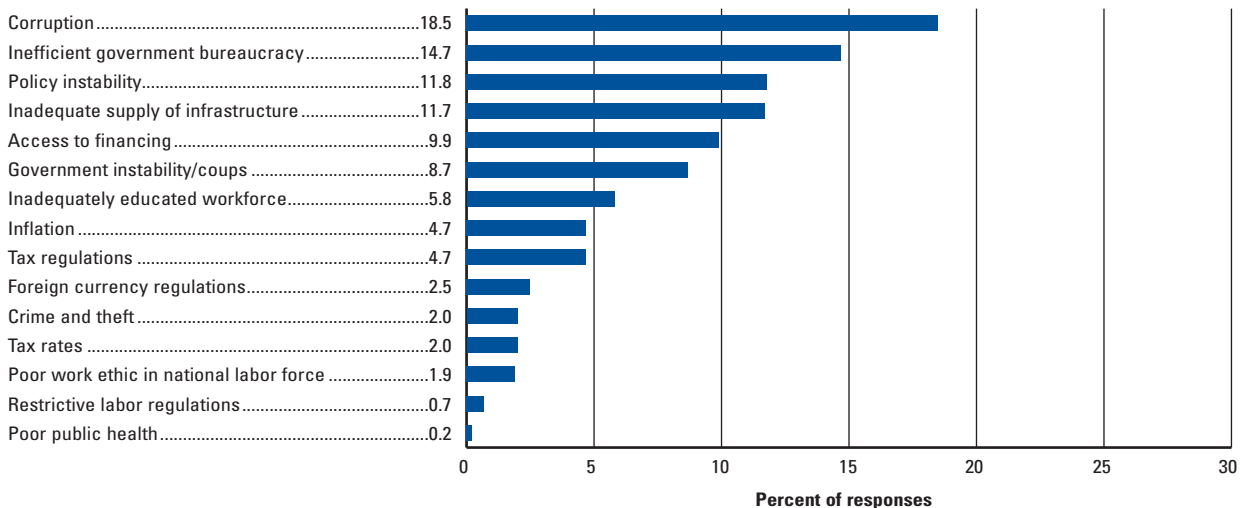
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>111</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	107	3.5
GCI 2006–2007 (out of 122) .....	92	3.7
<b>Basic requirements</b> .....	<b>117</b>	<b>3.6</b>
1st pillar: Institutions .....	127	3.0
2nd pillar: Infrastructure .....	122	2.2
3rd pillar: Macroeconomic stability .....	101	4.5
4th pillar: Health and primary education .....	105	4.6
<b>Efficiency enhancers</b> .....	<b>97</b>	<b>3.5</b>
5th pillar: Higher education and training .....	131	2.5
6th pillar: Goods market efficiency .....	106	3.8
7th pillar: Labor market efficiency .....	107	4.0
8th pillar: Financial market sophistication .....	82	4.1
9th pillar: Technological readiness .....	126	2.3
10th pillar: Market size .....	53	4.1
<b>Innovation and sophistication factors</b> .....	<b>115</b>	<b>3.0</b>
11th pillar: Business sophistication .....	105	3.5
12th pillar: Innovation .....	122	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	114
1.02 Intellectual property protection .....	132
1.03 Diversion of public funds .....	115
1.04 Public trust of politicians .....	128
1.05 Judicial independence .....	96
1.06 Favoritism in decisions of government officials .....	129
1.07 Wastefulness of government spending .....	101
1.08 Burden of government regulation .....	114
1.09 Efficiency of legal framework .....	122
1.10 Transparency of government policymaking .....	108
1.11 Business costs of terrorism .....	114
1.12 Business costs of crime and violence .....	104
1.13 Organized crime .....	110
1.14 Reliability of police services .....	122
1.15 Ethical behavior of firms .....	131
1.16 Strength of auditing and reporting standards .....	129
1.17 Efficacy of corporate boards .....	128
1.18 Protection of minority shareholders' interests .....	107
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	121
2.02 Quality of roads .....	93
2.03 Quality of railroad infrastructure .....	67
2.04 Quality of port infrastructure .....	121
2.05 Quality of air transport infrastructure .....	118
2.06 Available seat kilometers* .....	63
2.07 Quality of electricity supply .....	124
2.08 Telephone lines* .....	124
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	116
3.02 National savings rate* .....	42
3.03 Inflation* .....	104
3.04 Interest rate spread* .....	86
3.05 Government debt* .....	65
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	94
4.02 Malaria incidence* .....	88
4.03 Business impact of tuberculosis .....	89
4.04 Tuberculosis incidence* .....	108
4.05 Business impact of HIV/AIDS .....	73
4.06 HIV prevalence* .....	1
4.07 Infant mortality* .....	104
4.08 Life expectancy* .....	105
4.09 Quality of primary education .....	125
4.10 Primary enrollment* .....	93
4.11 Education expenditure* .....	118
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	112
5.02 Tertiary enrollment* .....	110
5.03 Quality of the educational system .....	107
5.04 Quality of math and science education .....	118
5.05 Quality of management schools .....	114
5.06 Internet access in schools .....	133
5.07 Local availability of research and training services .....	130
5.08 Extent of staff training .....	133

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	76
6.02 Extent of market dominance .....	124
6.03 Effectiveness of anti-monopoly policy .....	113
6.04 Extent and effect of taxation .....	50
6.05 Total tax rate* .....	55
6.06 No. of procedures required to start a business* .....	44
6.07 Time required to start a business* .....	116
6.08 Agricultural policy costs .....	58
6.09 Prevalence of trade barriers .....	94
6.10 Trade-weighted tariff rate* .....	119
6.11 Prevalence of foreign ownership .....	93
6.12 Business impact of rules on FDI .....	56
6.13 Burden of customs procedures .....	132
6.14 Degree of customer orientation .....	93
6.15 Buyer sophistication .....	93
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	103
7.02 Flexibility of wage determination .....	90
7.03 Non-wage labor costs* .....	1
7.04 Rigidity of employment* .....	61
7.05 Hiring and firing practices .....	29
7.06 Firing costs* .....	116
7.07 Pay and productivity .....	95
7.08 Reliance on professional management .....	91
7.09 Brain drain .....	118
7.10 Female participation in labor force* .....	101
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	113
8.02 Financing through local equity market .....	46
8.03 Ease of access to loans .....	110
8.04 Venture capital availability .....	125
8.05 Restriction on capital flows .....	124
8.06 Strength of investor protection* .....	15
8.07 Soundness of banks .....	115
8.08 Regulation of securities exchanges .....	79
8.09 Legal rights index* .....	16
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	106
9.02 Firm-level technology absorption .....	111
9.03 Laws relating to ICT .....	132
9.04 FDI and technology transfer .....	116
9.05 Mobile telephone subscribers* .....	118
9.06 Internet users* .....	132
9.07 Personal computers* .....	97
9.08 Broadband Internet subscribers* .....	126
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	43
10.02 Foreign market size* .....	67
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	98
11.02 Local supplier quality .....	95
11.03 State of cluster development .....	77
11.04 Nature of competitive advantage .....	134
11.05 Value chain breadth .....	112
11.06 Control of international distribution .....	124
11.07 Production process sophistication .....	129
11.08 Extent of marketing .....	110
11.09 Willingness to delegate authority .....	115
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	123
12.02 Quality of scientific research institutions .....	107
12.03 Company spending on R&D .....	127
12.04 University-industry research collaboration .....	129
12.05 Gov't procurement of advanced tech products .....	129
12.06 Availability of scientists and engineers .....	66
12.07 Utility patents* .....	86

\* Hard data

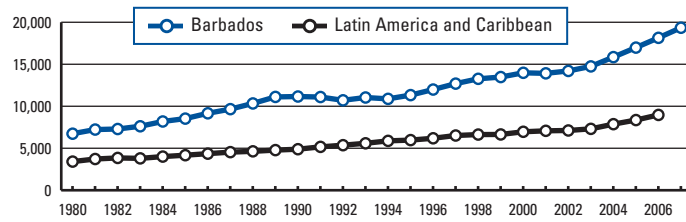
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Barbados

## Key indicators

Total population (millions), 2007 .....	0.3
GDP (US\$ billions), 2007 .....	3.7
GDP per capita (US\$), 2007 .....	13,605.4
GDP (PPP) as share (%) of world total, 2007 .....	0.01

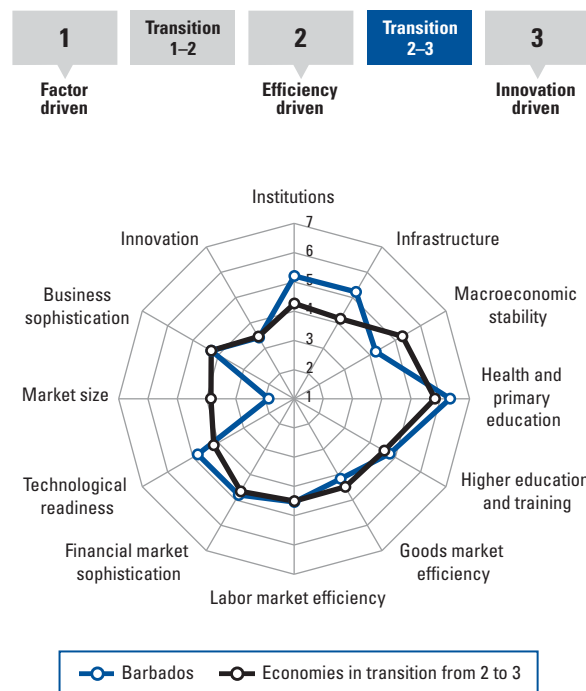
GDP (PPP US\$) per capita, 1980–2007



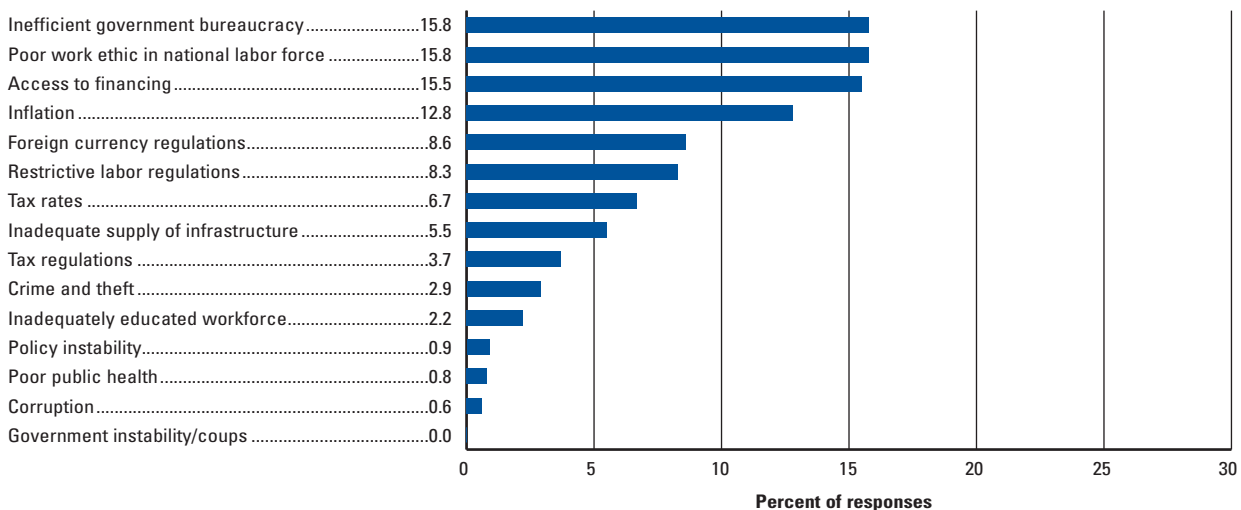
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>47</b>	<b>4.4</b>
GCI 2007–2008 (out of 131) .....	50	4.3
GCI 2006–2007 (out of 122) .....	41	4.5
<b>Basic requirements</b> .....	<b>33</b>	<b>5.2</b>
1st pillar: Institutions .....	20	5.2
2nd pillar: Infrastructure .....	24	5.2
3rd pillar: Macroeconomic stability .....	114	4.2
4th pillar: Health and primary education .....	10	6.3
<b>Efficiency enhancers</b> .....	<b>56</b>	<b>4.2</b>
5th pillar: Higher education and training .....	29	4.8
6th pillar: Goods market efficiency .....	72	4.2
7th pillar: Labor market efficiency .....	46	4.5
8th pillar: Financial market sophistication .....	38	4.8
9th pillar: Technological readiness .....	26	4.8
10th pillar: Market size .....	127	1.9
<b>Innovation and sophistication factors</b> .....	<b>51</b>	<b>3.8</b>
11th pillar: Business sophistication .....	56	4.3
12th pillar: Innovation .....	49	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....24	6.01	Intensity of local competition .....101
1.02	Intellectual property protection .....31	6.02	Extent of market dominance .....98
1.03	Diversion of public funds .....25	6.03	Effectiveness of anti-monopoly policy .....52
1.04	Public trust of politicians .....18	6.04	Extent and effect of taxation .....33
1.05	Judicial independence .....17	6.05	Total tax rate* .....n/a
1.06	Favoritism in decisions of government officials .....29	6.06	No. of procedures required to start a business* .....n/a
1.07	Wastefulness of government spending .....24	6.07	Time required to start a business* .....n/a
1.08	Burden of government regulation .....29	6.08	Agricultural policy costs .....26
1.09	Efficiency of legal framework .....19	6.09	Prevalence of trade barriers .....77
1.10	Transparency of government policymaking .....10	6.10	Trade-weighted tariff rate* .....123
1.11	Business costs of terrorism .....44	6.11	Prevalence of foreign ownership .....48
1.12	Business costs of crime and violence .....68	6.12	Business impact of rules on FDI .....28
1.13	Organized crime .....26	6.13	Burden of customs procedures .....69
1.14	Reliability of police services .....21	6.14	Degree of customer orientation .....84
1.15	Ethical behavior of firms .....19	6.15	Buyer sophistication .....42
1.16	Strength of auditing and reporting standards .....28	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....42	7.01	Cooperation in labor-employer relations .....41
1.18	Protection of minority shareholders' interests .....51	7.02	Flexibility of wage determination .....85
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....n/a
2.01	Quality of overall infrastructure .....20	7.04	Rigidity of employment* .....n/a
2.02	Quality of roads .....33	7.05	Hiring and firing practices .....70
2.03	Quality of railroad infrastructure .....n/a	7.06	Firing costs* .....n/a
2.04	Quality of port infrastructure .....19	7.07	Pay and productivity .....99
2.05	Quality of air transport infrastructure .....16	7.08	Reliance on professional management .....36
2.06	Available seat kilometers* .....76	7.09	Brain drain .....42
2.07	Quality of electricity supply .....23	7.10	Female participation in labor force* .....27
2.08	Telephone lines* .....14	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....47
3.01	Government surplus/deficit* .....92	8.02	Financing through local equity market .....66
3.02	National savings rate* .....127	8.03	Ease of access to loans .....76
3.03	Inflation* .....69	8.04	Venture capital availability .....74
3.04	Interest rate spread* .....70	8.05	Restriction on capital flows .....122
3.05	Government debt* .....120	8.06	Strength of investor protection* .....n/a
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....21
4.01	Business impact of malaria .....64	8.08	Regulation of securities exchanges .....33
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....n/a
4.03	Business impact of tuberculosis .....52	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....22	9.01	Availability of latest technologies .....30
4.05	Business impact of HIV/AIDS .....115	9.02	Firm-level technology absorption .....47
4.06	HIV prevalence* .....105	9.03	Laws relating to ICT .....46
4.07	Infant mortality* .....51	9.04	FDI and technology transfer .....66
4.08	Life expectancy* .....42	9.05	Mobile telephone subscribers* .....42
4.09	Quality of primary education .....5	9.06	Internet users* .....1
4.10	Primary enrollment* .....43	9.07	Personal computers* .....51
4.11	Education expenditure* .....10	9.08	Broadband Internet subscribers* .....17
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....18	10.01	Domestic market size* .....128
5.02	Tertiary enrollment* .....57	10.02	Foreign market size* .....121
5.03	Quality of the educational system .....15	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....15	11.01	Local supplier quantity .....101
5.05	Quality of management schools .....36	11.02	Local supplier quality .....58
5.06	Internet access in schools .....45	11.03	State of cluster development .....64
5.07	Local availability of research and training services .....54	11.04	Nature of competitive advantage .....21
5.08	Extent of staff training .....41	11.05	Value chain breadth .....45
		11.06	Control of international distribution .....81
		11.07	Production process sophistication .....62
		11.08	Extent of marketing .....65
		11.09	Willingness to delegate authority .....51
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....77
		12.02	Quality of scientific research institutions .....44
		12.03	Company spending on R&D .....59
		12.04	University-industry research collaboration .....41
		12.05	Gov't procurement of advanced tech products .....65
		12.06	Availability of scientists and engineers .....61
		12.07	Utility patents* .....33

\* Hard data

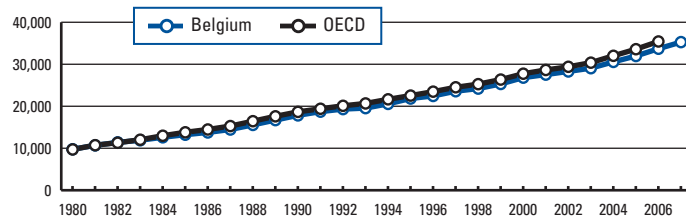
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Belgium

## Key indicators

Total population (millions), 2007 .....	10.5
GDP (US\$ billions), 2007 .....	453.6
GDP per capita (US\$), 2007 .....	42,556.9
GDP (PPP) as share (%) of world total, 2007 .....	0.58

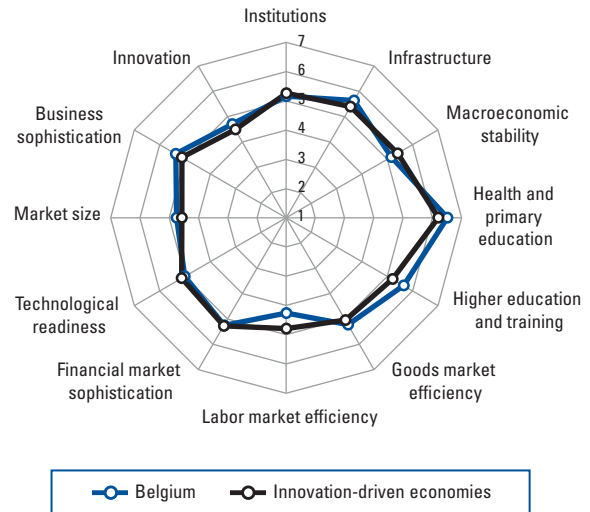
GDP (PPP US\$) per capita, 1980–2007



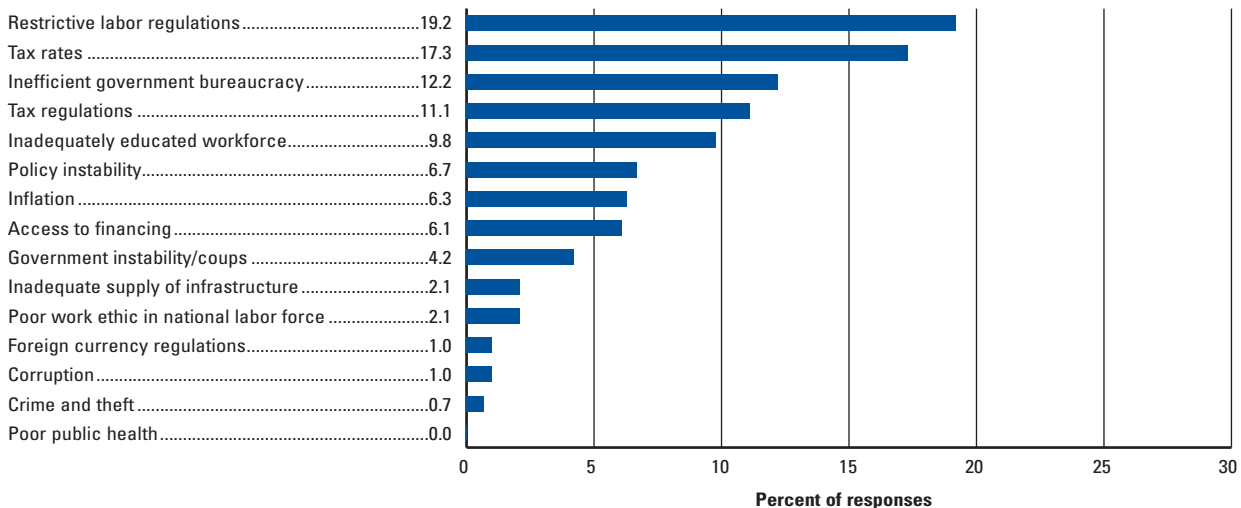
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>19</b>	<b>5.1</b>
GCI 2007–2008 (out of 131) .....	20	5.1
GCI 2006–2007 (out of 122) .....	24	5.1
<b>Basic requirements</b> .....	<b>18</b>	<b>5.6</b>
1st pillar: Institutions .....	21	5.2
2nd pillar: Infrastructure .....	16	5.6
3rd pillar: Macroeconomic stability .....	60	5.1
4th pillar: Health and primary education .....	3	6.5
<b>Efficiency enhancers</b> .....	<b>21</b>	<b>5.0</b>
5th pillar: Higher education and training .....	6	5.6
6th pillar: Goods market efficiency .....	12	5.2
7th pillar: Labor market efficiency .....	79	4.3
8th pillar: Financial market sophistication .....	23	5.2
9th pillar: Technological readiness .....	23	5.0
10th pillar: Market size .....	25	4.8
<b>Innovation and sophistication factors</b> .....	<b>15</b>	<b>5.0</b>
11th pillar: Business sophistication .....	11	5.4
12th pillar: Innovation .....	14	4.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	19 .....
1.02 Intellectual property protection .....	20 .....
1.03 Diversion of public funds .....	21 .....
1.04 Public trust of politicians .....	29 .....
1.05 Judicial independence .....	19 .....
1.06 Favoritism in decisions of government officials .....	26 .....
1.07 Wastefulness of government spending .....	40 .....
1.08 Burden of government regulation .....	106 .....
1.09 Efficiency of legal framework .....	35 .....
1.10 Transparency of government policymaking .....	57 .....
1.11 Business costs of terrorism .....	47 .....
1.12 Business costs of crime and violence .....	27 .....
1.13 Organized crime .....	29 .....
1.14 Reliability of police services .....	28 .....
1.15 Ethical behavior of firms .....	20 .....
1.16 Strength of auditing and reporting standards .....	21 .....
1.17 Efficacy of corporate boards .....	19 .....
1.18 Protection of minority shareholders' interests .....	20 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	15 .....
2.02 Quality of roads .....	11 .....
2.03 Quality of railroad infrastructure .....	8 .....
2.04 Quality of port infrastructure .....	7 .....
2.05 Quality of air transport infrastructure .....	15 .....
2.06 Available seat kilometers* .....	34 .....
2.07 Quality of electricity supply .....	14 .....
2.08 Telephone lines* .....	23 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	63 .....
3.02 National savings rate* .....	63 .....
3.03 Inflation* .....	18 .....
3.04 Interest rate spread* .....	27 .....
3.05 Government debt* .....	119 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	11 .....
4.02 Malaria incidence* .....	1 .....
4.03 Business impact of tuberculosis .....	9 .....
4.04 Tuberculosis incidence* .....	24 .....
4.05 Business impact of HIV/AIDS .....	27 .....
4.06 HIV prevalence* .....	50 .....
4.07 Infant mortality* .....	10 .....
4.08 Life expectancy* .....	22 .....
4.09 Quality of primary education .....	2 .....
4.10 Primary enrollment* .....	28 .....
4.11 Education expenditure* .....	19 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	12 .....
5.02 Tertiary enrollment* .....	23 .....
5.03 Quality of the educational system .....	4 .....
5.04 Quality of math and science education .....	3 .....
5.05 Quality of management schools .....	5 .....
5.06 Internet access in schools .....	24 .....
5.07 Local availability of research and training services .....	11 .....
5.08 Extent of staff training .....	13 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	6 .....
6.02 Extent of market dominance .....	10 .....
6.03 Effectiveness of anti-monopoly policy .....	12 .....
6.04 Extent and effect of taxation .....	132 .....
6.05 Total tax rate* .....	114 .....
6.06 No. of procedures required to start a business* .....	4 .....
6.07 Time required to start a business* .....	3 .....
6.08 Agricultural policy costs .....	49 .....
6.09 Prevalence of trade barriers .....	16 .....
6.10 Trade-weighted tariff rate* .....	5 .....
6.11 Prevalence of foreign ownership .....	12 .....
6.12 Business impact of rules on FDI .....	21 .....
6.13 Burden of customs procedures .....	28 .....
6.14 Degree of customer orientation .....	11 .....
6.15 Buyer sophistication .....	17 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	94 .....
7.02 Flexibility of wage determination .....	121 .....
7.03 Non-wage labor costs* .....	128 .....
7.04 Rigidity of employment* .....	22 .....
7.05 Hiring and firing practices .....	117 .....
7.06 Firing costs* .....	27 .....
7.07 Pay and productivity .....	96 .....
7.08 Reliance on professional management .....	20 .....
7.09 Brain drain .....	24 .....
7.10 Female participation in labor force* .....	55 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	16 .....
8.02 Financing through local equity market .....	33 .....
8.03 Ease of access to loans .....	24 .....
8.04 Venture capital availability .....	25 .....
8.05 Restriction on capital flows .....	27 .....
8.06 Strength of investor protection* .....	12 .....
8.07 Soundness of banks .....	7 .....
8.08 Regulation of securities exchanges .....	18 .....
8.09 Legal rights index* .....	52 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	18 .....
9.02 Firm-level technology absorption .....	25 .....
9.03 Laws relating to ICT .....	29 .....
9.04 FDI and technology transfer .....	10 .....
9.05 Mobile telephone subscribers* .....	39 .....
9.06 Internet users* .....	28 .....
9.07 Personal computers* .....	24 .....
9.08 Broadband Internet subscribers* .....	11 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	28 .....
10.02 Foreign market size* .....	20 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	12 .....
11.02 Local supplier quality .....	5 .....
11.03 State of cluster development .....	27 .....
11.04 Nature of competitive advantage .....	8 .....
11.05 Value chain breadth .....	16 .....
11.06 Control of international distribution .....	28 .....
11.07 Production process sophistication .....	10 .....
11.08 Extent of marketing .....	16 .....
11.09 Willingness to delegate authority .....	13 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	15 .....
12.02 Quality of scientific research institutions .....	5 .....
12.03 Company spending on R&D .....	14 .....
12.04 University-industry research collaboration .....	8 .....
12.05 Gov't procurement of advanced tech products .....	41 .....
12.06 Availability of scientists and engineers .....	20 .....
12.07 Utility patents* .....	21 .....

\* Hard data

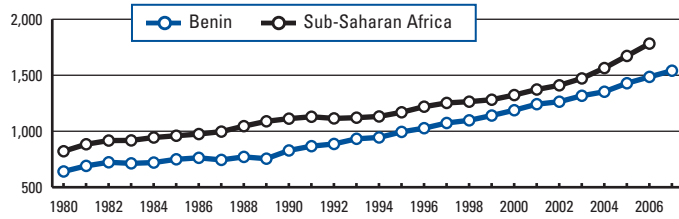
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Benin

## Key indicators

Total population (millions), 2007 .....	9.0
GDP (US\$ billions), 2007 .....	5.4
GDP per capita (US\$), 2007 .....	691.6
GDP (PPP) as share (%) of world total, 2007 .....	0.02

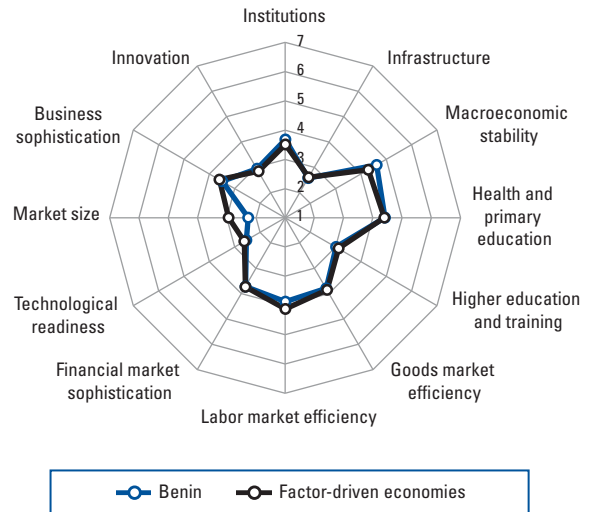
GDP (PPP US\$) per capita, 1980–2007



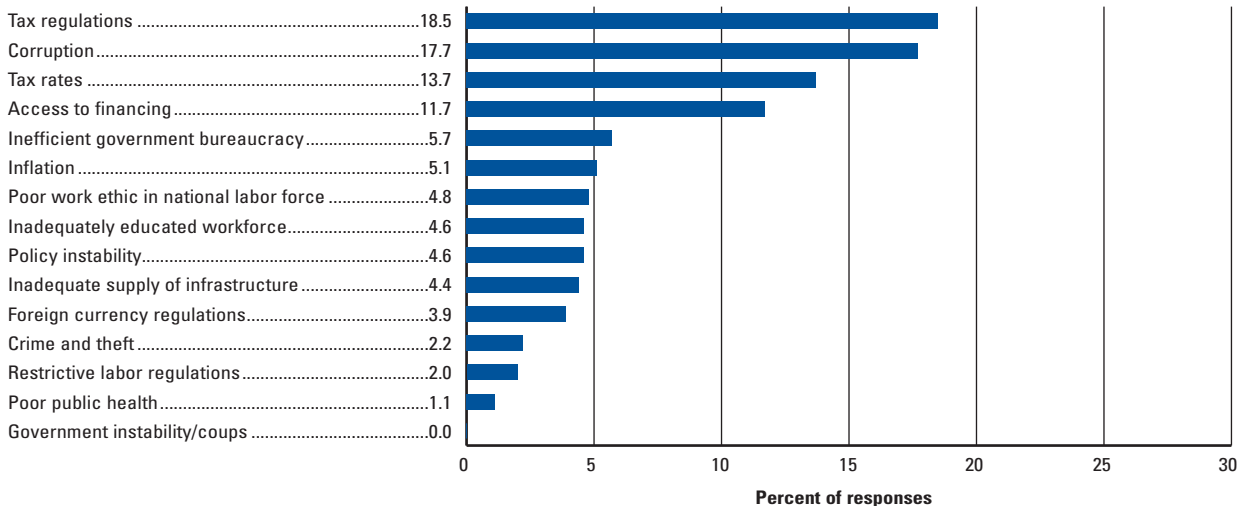
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>106</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	108	3.5
GCI 2006–2007 (out of 122) .....	106	3.4
<b>Basic requirements</b> .....	<b>103</b>	<b>3.8</b>
1st pillar: Institutions .....	85	3.7
2nd pillar: Infrastructure .....	106	2.6
3rd pillar: Macroeconomic stability .....	95	4.6
4th pillar: Health and primary education .....	110	4.4
<b>Efficiency enhancers</b> .....	<b>123</b>	<b>3.2</b>
5th pillar: Higher education and training .....	114	3.0
6th pillar: Goods market efficiency .....	107	3.8
7th pillar: Labor market efficiency .....	118	3.9
8th pillar: Financial market sophistication .....	99	3.7
9th pillar: Technological readiness .....	113	2.5
10th pillar: Market size .....	123	2.3
<b>Innovation and sophistication factors</b> .....	<b>100</b>	<b>3.2</b>
11th pillar: Business sophistication .....	103	3.5
12th pillar: Innovation .....	95	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....110	6.01	Intensity of local competition .....82
1.02	Intellectual property protection .....91	6.02	Extent of market dominance .....70
1.03	Diversion of public funds .....114	6.03	Effectiveness of anti-monopoly policy .....68
1.04	Public trust of politicians .....68	6.04	Extent and effect of taxation .....120
1.05	Judicial independence .....74	6.05	Total tax rate* .....119
1.06	Favoritism in decisions of government officials .....60	6.06	No. of procedures required to start a business* .....34
1.07	Wastefulness of government spending .....35	6.07	Time required to start a business* .....70
1.08	Burden of government regulation .....103	6.08	Agricultural policy costs .....119
1.09	Efficiency of legal framework .....70	6.09	Prevalence of trade barriers .....76
1.10	Transparency of government policymaking .....75	6.10	Trade-weighted tariff rate* .....84
1.11	Business costs of terrorism .....95	6.11	Prevalence of foreign ownership .....90
1.12	Business costs of crime and violence .....96	6.12	Business impact of rules on FDI .....105
1.13	Organized crime .....108	6.13	Burden of customs procedures .....119
1.14	Reliability of police services .....44	6.14	Degree of customer orientation .....113
1.15	Ethical behavior of firms .....88	6.15	Buyer sophistication .....108
1.16	Strength of auditing and reporting standards .....101	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....92	7.01	Cooperation in labor-employer relations .....90
1.18	Protection of minority shareholders' interests .....61	7.02	Flexibility of wage determination .....27
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....110
2.01	Quality of overall infrastructure .....95	7.04	Rigidity of employment* .....78
2.02	Quality of roads .....97	7.05	Hiring and firing practices .....57
2.03	Quality of railroad infrastructure .....87	7.06	Firing costs* .....65
2.04	Quality of port infrastructure .....96	7.07	Pay and productivity .....112
2.05	Quality of air transport infrastructure .....100	7.08	Reliance on professional management .....97
2.06	Available seat kilometers* .....120	7.09	Brain drain .....109
2.07	Quality of electricity supply .....121	7.10	Female participation in labor force* .....99
2.08	Telephone lines* .....120	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....100
3.01	Government surplus/deficit* .....88	8.02	Financing through local equity market .....100
3.02	National savings rate* .....121	8.03	Ease of access to loans .....112
3.03	Inflation* .....19	8.04	Venture capital availability .....106
3.04	Interest rate spread* .....109	8.05	Restriction on capital flows .....102
3.05	Government debt* .....n/a	8.06	Strength of investor protection* .....112
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....46
4.01	Business impact of malaria .....124	8.08	Regulation of securities exchanges .....102
4.02	Malaria incidence* .....123	8.09	Legal rights index* .....72
4.03	Business impact of tuberculosis .....118	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....85	9.01	Availability of latest technologies .....107
4.05	Business impact of HIV/AIDS .....113	9.02	Firm-level technology absorption .....88
4.06	HIV prevalence* .....105	9.03	Laws relating to ICT .....88
4.07	Infant mortality* .....122	9.04	FDI and technology transfer .....107
4.08	Life expectancy* .....117	9.05	Mobile telephone subscribers* .....119
4.09	Quality of primary education .....78	9.06	Internet users* .....120
4.10	Primary enrollment* .....110	9.07	Personal computers* .....122
4.11	Education expenditure* .....86	9.08	Broadband Internet subscribers* .....113
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....117	10.01	Domestic market size* .....119
5.02	Tertiary enrollment* .....116	10.02	Foreign market size* .....127
5.03	Quality of the educational system .....89	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....61	11.01	Local supplier quantity .....115
5.05	Quality of management schools .....56	11.02	Local supplier quality .....89
5.06	Internet access in schools .....100	11.03	State of cluster development .....113
5.07	Local availability of research and training services .....85	11.04	Nature of competitive advantage .....75
5.08	Extent of staff training .....122	11.05	Value chain breadth .....74
		11.06	Control of international distribution .....96
		11.07	Production process sophistication .....104
		11.08	Extent of marketing .....116
		11.09	Willingness to delegate authority .....127
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....84
		12.02	Quality of scientific research institutions .....97
		12.03	Company spending on R&D .....91
		12.04	University-industry research collaboration .....112
		12.05	Gov't procurement of advanced tech products .....49
		12.06	Availability of scientists and engineers .....78
		12.07	Utility patents* .....74

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

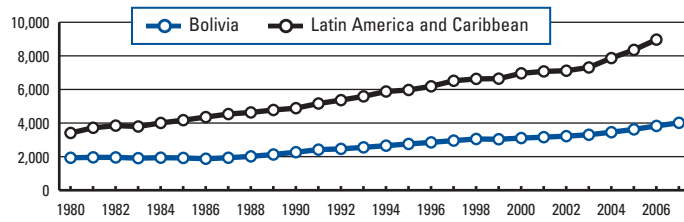


# Bolivia

## Key indicators

Total population (millions), 2007 .....	9.5
GDP (US\$ billions), 2007 .....	13.2
GDP per capita (US\$), 2007 .....	1,342.4
GDP (PPP) as share (%) of world total, 2007 .....	0.06

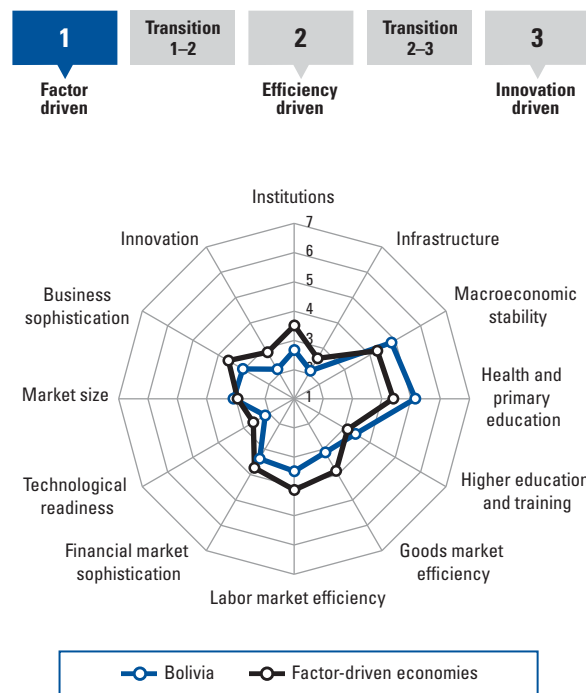
GDP (PPP US\$) per capita, 1980–2007



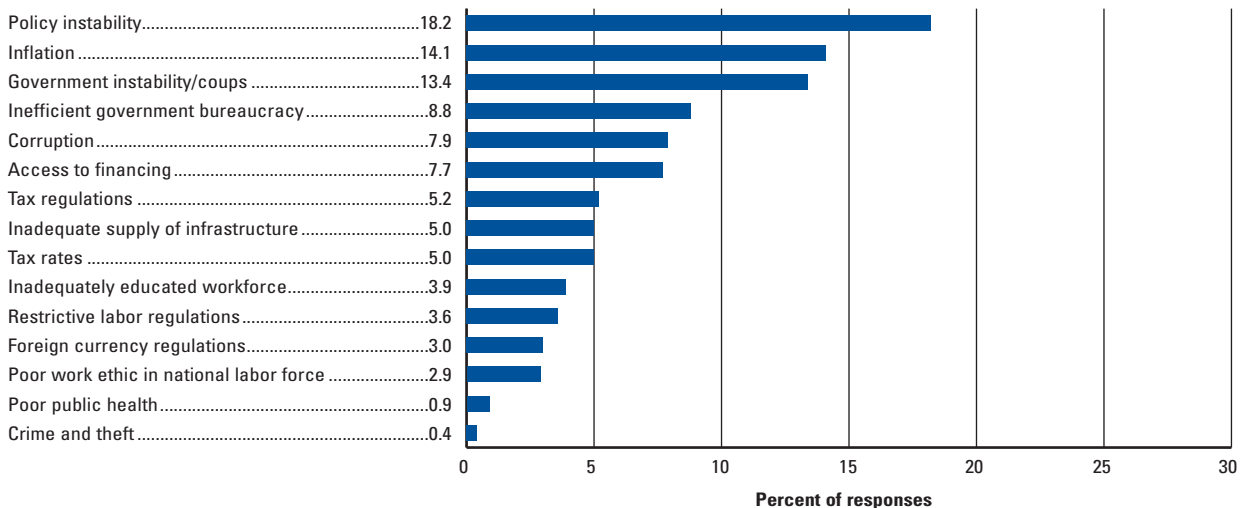
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>118</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	105	3.6
GCI 2006–2007 (out of 122) .....	99	3.5
<b>Basic requirements</b> .....	<b>108</b>	<b>3.7</b>
1st pillar: Institutions .....	131	2.7
2nd pillar: Infrastructure .....	126	2.1
3rd pillar: Macroeconomic stability .....	77	4.8
4th pillar: Health and primary education .....	93	5.1
<b>Efficiency enhancers</b> .....	<b>128</b>	<b>3.1</b>
5th pillar: Higher education and training .....	96	3.4
6th pillar: Goods market efficiency .....	131	3.1
7th pillar: Labor market efficiency .....	129	3.5
8th pillar: Financial market sophistication .....	119	3.4
9th pillar: Technological readiness .....	133	2.1
10th pillar: Market size .....	87	3.1
<b>Innovation and sophistication factors</b> .....	<b>134</b>	<b>2.6</b>
11th pillar: Business sophistication .....	133	3.0
12th pillar: Innovation .....	133	2.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....132	6.01	Intensity of local competition .....124
1.02	Intellectual property protection .....134	6.02	Extent of market dominance .....116
1.03	Diversion of public funds .....129	6.03	Effectiveness of anti-monopoly policy .....131
1.04	Public trust of politicians .....124	6.04	Extent and effect of taxation .....109
1.05	Judicial independence .....124	6.05	Total tax rate* .....122
1.06	Favoritism in decisions of government officials .....130	6.06	No. of procedures required to start a business* .....120
1.07	Wastefulness of government spending .....119	6.07	Time required to start a business* .....105
1.08	Burden of government regulation .....125	6.08	Agricultural policy costs .....77
1.09	Efficiency of legal framework .....131	6.09	Prevalence of trade barriers .....133
1.10	Transparency of government policymaking .....133	6.10	Trade-weighted tariff rate* .....87
1.11	Business costs of terrorism .....94	6.11	Prevalence of foreign ownership .....125
1.12	Business costs of crime and violence .....101	6.12	Business impact of rules on FDI .....132
1.13	Organized crime .....100	6.13	Burden of customs procedures .....113
1.14	Reliability of police services .....132	6.14	Degree of customer orientation .....133
1.15	Ethical behavior of firms .....132	6.15	Buyer sophistication .....128
1.16	Strength of auditing and reporting standards .....131	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....130	7.01	Cooperation in labor-employer relations .....121
1.18	Protection of minority shareholders' interests .....126	7.02	Flexibility of wage determination .....88
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....56
2.01	Quality of overall infrastructure .....128	7.04	Rigidity of employment* .....127
2.02	Quality of roads .....128	7.05	Hiring and firing practices .....127
2.03	Quality of railroad infrastructure .....96	7.06	Firing costs* .....127
2.04	Quality of port infrastructure .....98	7.07	Pay and productivity .....111
2.05	Quality of air transport infrastructure .....122	7.08	Reliance on professional management .....127
2.06	Available seat kilometers* .....90	7.09	Brain drain .....120
2.07	Quality of electricity supply .....96	7.10	Female participation in labor force* .....63
2.08	Telephone lines* .....98	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....112
3.01	Government surplus/deficit* .....37	8.02	Financing through local equity market .....114
3.02	National savings rate* .....44	8.03	Ease of access to loans .....121
3.03	Inflation* .....106	8.04	Venture capital availability .....112
3.04	Interest rate spread* .....108	8.05	Restriction on capital flows .....57
3.05	Government debt* .....79	8.06	Strength of investor protection* .....98
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....91
4.01	Business impact of malaria .....98	8.08	Regulation of securities exchanges .....96
4.02	Malaria incidence* .....102	8.09	Legal rights index* .....123
4.03	Business impact of tuberculosis .....105	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....105	9.01	Availability of latest technologies .....134
4.05	Business impact of HIV/AIDS .....86	9.02	Firm-level technology absorption .....134
4.06	HIV prevalence* .....50	9.03	Laws relating to ICT .....133
4.07	Infant mortality* .....102	9.04	FDI and technology transfer .....130
4.08	Life expectancy* .....96	9.05	Mobile telephone subscribers* .....96
4.09	Quality of primary education .....127	9.06	Internet users* .....99
4.10	Primary enrollment* .....53	9.07	Personal computers* .....98
4.11	Education expenditure* .....16	9.08	Broadband Internet subscribers* .....93
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....82	10.01	Domestic market size* .....88
5.02	Tertiary enrollment* .....52	10.02	Foreign market size* .....87
5.03	Quality of the educational system .....132	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....119	11.01	Local supplier quantity .....133
5.05	Quality of management schools .....108	11.02	Local supplier quality .....128
5.06	Internet access in schools .....127	11.03	State of cluster development .....115
5.07	Local availability of research and training services .....118	11.04	Nature of competitive advantage .....133
5.08	Extent of staff training .....124	11.05	Value chain breadth .....124
		11.06	Control of international distribution .....125
		11.07	Production process sophistication .....126
		11.08	Extent of marketing .....118
		11.09	Willingness to delegate authority .....108
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....128
		12.02	Quality of scientific research institutions .....130
		12.03	Company spending on R&D .....130
		12.04	University-industry research collaboration .....126
		12.05	Gov't procurement of advanced tech products .....134
		12.06	Availability of scientists and engineers .....128
		12.07	Utility patents* .....88

\* Hard data

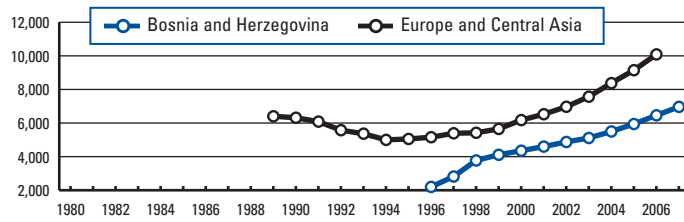
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Bosnia and Herzegovina

## Key indicators

Total population (millions), 2007 .....	4.0
GDP (US\$ billions), 2007 .....	14.8
GDP per capita (US\$), 2007 .....	3,712.1
GDP (PPP) as share (%) of world total, 2007 .....	0.00

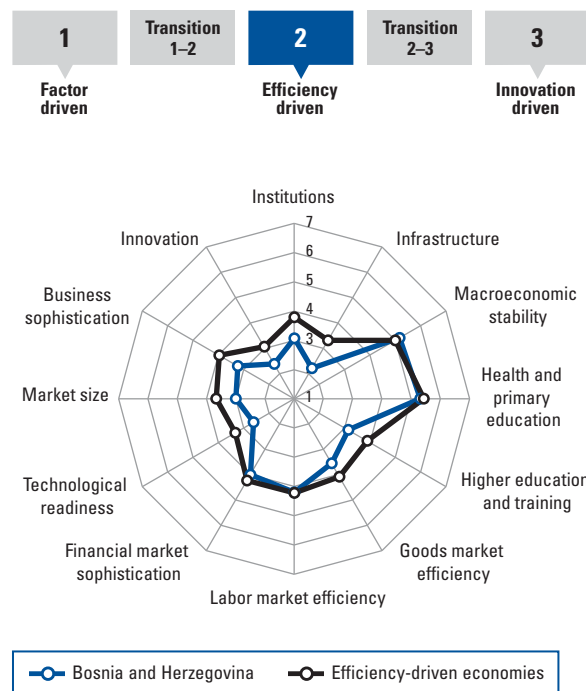
GDP (PPP US\$) per capita, 1980–2007



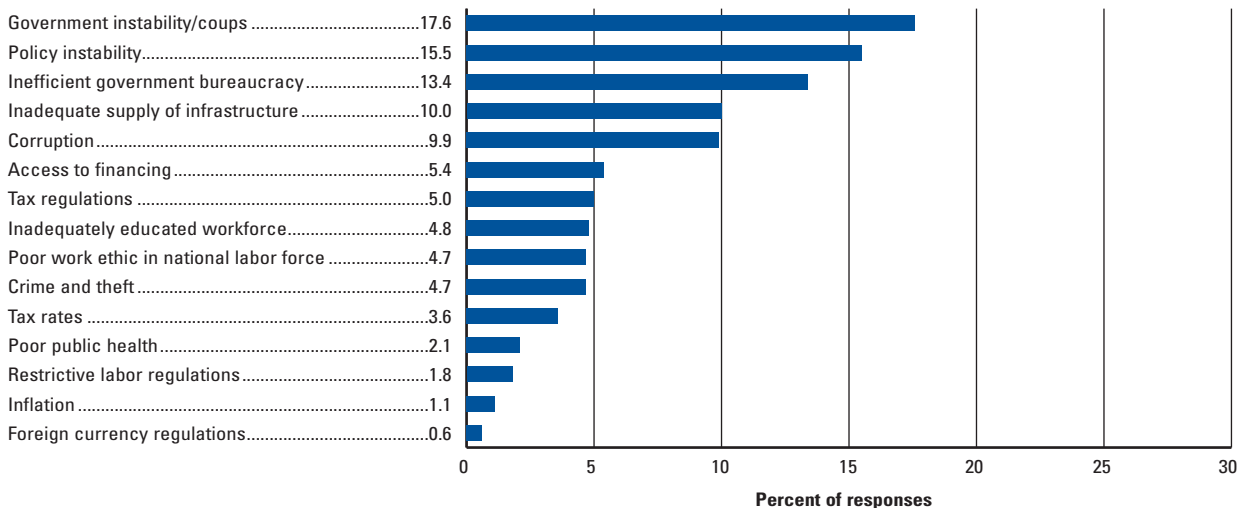
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>107</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	106	3.6
GCI 2006–2007 (out of 122) .....	82	3.8
<b>Basic requirements</b> .....	<b>98</b>	<b>3.9</b>
1st pillar: Institutions .....	123	3.1
2nd pillar: Infrastructure .....	123	2.2
3rd pillar: Macroeconomic stability .....	57	5.2
4th pillar: Health and primary education .....	82	5.3
<b>Efficiency enhancers</b> .....	<b>102</b>	<b>3.4</b>
5th pillar: Higher education and training .....	109	3.1
6th pillar: Goods market efficiency .....	123	3.5
7th pillar: Labor market efficiency .....	85	4.2
8th pillar: Financial market sophistication .....	86	4.0
9th pillar: Technological readiness .....	109	2.6
10th pillar: Market size .....	92	3.0
<b>Innovation and sophistication factors</b> .....	<b>129</b>	<b>2.8</b>
11th pillar: Business sophistication .....	125	3.2
12th pillar: Innovation .....	128	2.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....121	6.01	Intensity of local competition .....98
1.02	Intellectual property protection .....125	6.02	Extent of market dominance .....106
1.03	Diversion of public funds .....75	6.03	Effectiveness of anti-monopoly policy .....134
1.04	Public trust of politicians .....125	6.04	Extent and effect of taxation .....112
1.05	Judicial independence .....116	6.05	Total tax rate* .....66
1.06	Favoritism in decisions of government officials .....124	6.06	No. of procedures required to start a business* .....103
1.07	Wastefulness of government spending .....123	6.07	Time required to start a business* .....108
1.08	Burden of government regulation .....129	6.08	Agricultural policy costs .....121
1.09	Efficiency of legal framework .....128	6.09	Prevalence of trade barriers .....53
1.10	Transparency of government policymaking .....130	6.10	Trade-weighted tariff rate* .....94
1.11	Business costs of terrorism .....23	6.11	Prevalence of foreign ownership .....100
1.12	Business costs of crime and violence .....70	6.12	Business impact of rules on FDI .....128
1.13	Organized crime .....87	6.13	Burden of customs procedures .....92
1.14	Reliability of police services .....111	6.14	Degree of customer orientation .....110
1.15	Ethical behavior of firms .....130	6.15	Buyer sophistication .....119
1.16	Strength of auditing and reporting standards .....121	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....129	7.01	Cooperation in labor-employer relations .....102
1.18	Protection of minority shareholders' interests .....130	7.02	Flexibility of wage determination .....33
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....60
2.01	Quality of overall infrastructure .....127	7.04	Rigidity of employment* .....93
2.02	Quality of roads .....131	7.05	Hiring and firing practices .....20
2.03	Quality of railroad infrastructure .....104	7.06	Firing costs* .....53
2.04	Quality of port infrastructure .....134	7.07	Pay and productivity .....129
2.05	Quality of air transport infrastructure .....132	7.08	Reliance on professional management .....133
2.06	Available seat kilometers* .....130	7.09	Brain drain .....119
2.07	Quality of electricity supply .....60	7.10	Female participation in labor force* .....17
2.08	Telephone lines* .....54	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....120
3.01	Government surplus/deficit* .....79	8.02	Financing through local equity market .....99
3.02	National savings rate* .....130	8.03	Ease of access to loans .....96
3.03	Inflation* .....10	8.04	Venture capital availability .....113
3.04	Interest rate spread* .....38	8.05	Restriction on capital flows .....85
3.05	Government debt* .....59	8.06	Strength of investor protection* .....67
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....96
4.01	Business impact of malaria .....63	8.08	Regulation of securities exchanges .....97
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....16
4.03	Business impact of tuberculosis .....68	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....66	9.01	Availability of latest technologies .....123
4.05	Business impact of HIV/AIDS .....26	9.02	Firm-level technology absorption .....133
4.06	HIV prevalence* .....1	9.03	Laws relating to ICT .....118
4.07	Infant mortality* .....56	9.04	FDI and technology transfer .....133
4.08	Life expectancy* .....42	9.05	Mobile telephone subscribers* .....85
4.09	Quality of primary education .....57	9.06	Internet users* .....54
4.10	Primary enrollment* .....n/a	9.07	Personal computers* .....78
4.11	Education expenditure* .....n/a	9.08	Broadband Internet subscribers* .....70
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....110	10.01	Domestic market size* .....86
5.02	Tertiary enrollment* .....73	10.02	Foreign market size* .....103
5.03	Quality of the educational system .....92	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....45	11.01	Local supplier quantity .....93
5.05	Quality of management schools .....107	11.02	Local supplier quality .....113
5.06	Internet access in schools .....89	11.03	State of cluster development .....133
5.07	Local availability of research and training services .....126	11.04	Nature of competitive advantage .....116
5.08	Extent of staff training .....126	11.05	Value chain breadth .....113
		11.06	Control of international distribution .....130
		11.07	Production process sophistication .....123
		11.08	Extent of marketing .....100
		11.09	Willingness to delegate authority .....119
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....126
		12.02	Quality of scientific research institutions .....128
		12.03	Company spending on R&D .....119
		12.04	University-industry research collaboration .....125
		12.05	Gov't procurement of advanced tech products .....131
		12.06	Availability of scientists and engineers .....100
		12.07	Utility patents* .....88

\* Hard data

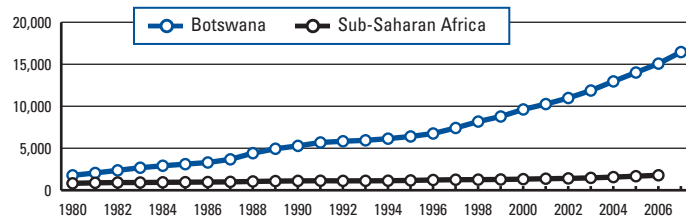
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Botswana

## Key indicators

Total population (millions), 2007 .....	1.8
GDP (US\$ billions), 2007 .....	12.3
GDP per capita (US\$), 2007 .....	7,888.4
GDP (PPP) as share (%) of world total, 2007 .....	0.04

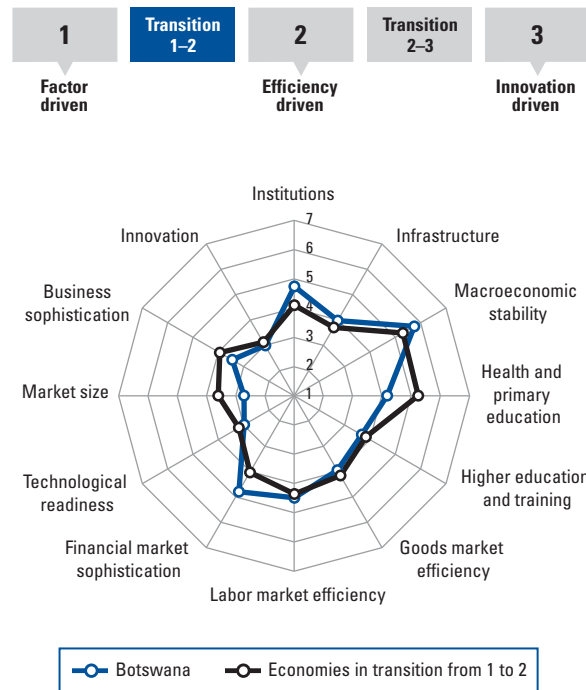
GDP (PPP US\$) per capita, 1980–2007



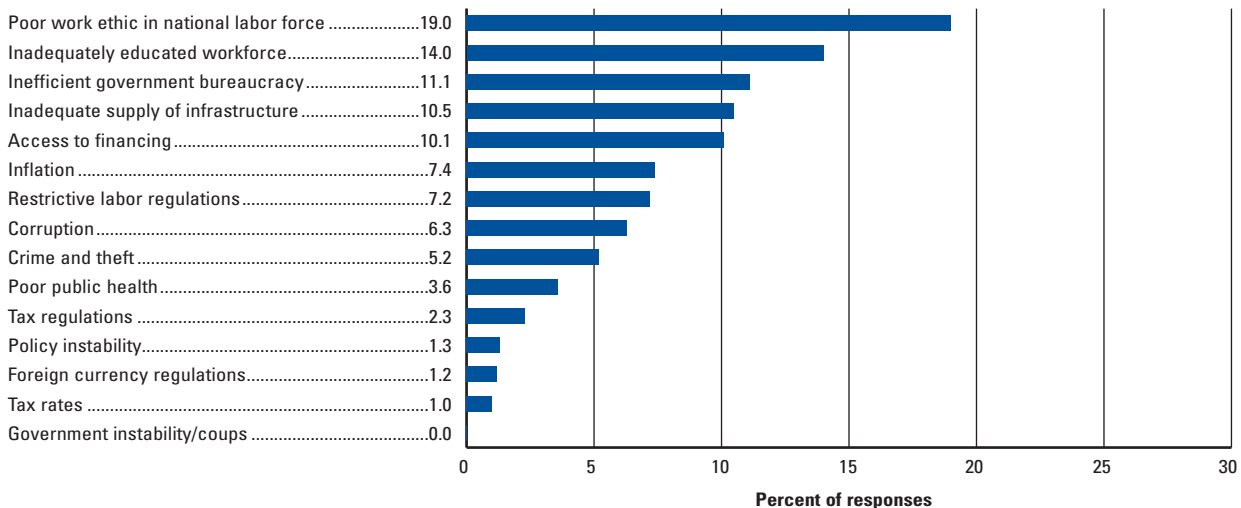
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>56</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	76	4.0
GCI 2006–2007 (out of 122) .....	57	4.1
<b>Basic requirements</b> .....	<b>53</b>	<b>4.6</b>
1st pillar: Institutions .....	36	4.7
2nd pillar: Infrastructure .....	52	4.0
3rd pillar: Macroeconomic stability .....	22	5.7
4th pillar: Health and primary education .....	112	4.2
<b>Efficiency enhancers</b> .....	<b>82</b>	<b>3.8</b>
5th pillar: Higher education and training .....	87	3.7
6th pillar: Goods market efficiency .....	93	3.9
7th pillar: Labor market efficiency .....	52	4.5
8th pillar: Financial market sophistication .....	40	4.8
9th pillar: Technological readiness .....	89	3.0
10th pillar: Market size .....	101	2.7
<b>Innovation and sophistication factors</b> .....	<b>98</b>	<b>3.2</b>
11th pillar: Business sophistication .....	106	3.5
12th pillar: Innovation .....	83	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....48	6.01	Intensity of local competition .....79
1.02	Intellectual property protection .....77	6.02	Extent of market dominance .....102
1.03	Diversion of public funds .....28	6.03	Effectiveness of anti-monopoly policy .....103
1.04	Public trust of politicians .....22	6.04	Extent and effect of taxation .....19
1.05	Judicial independence .....26	6.05	Total tax rate* .....5
1.06	Favoritism in decisions of government officials .....37	6.06	No. of procedures required to start a business* .....91
1.07	Wastefulness of government spending .....21	6.07	Time required to start a business* .....124
1.08	Burden of government regulation .....38	6.08	Agricultural policy costs .....48
1.09	Efficiency of legal framework .....33	6.09	Prevalence of trade barriers .....42
1.10	Transparency of government policymaking .....39	6.10	Trade-weighted tariff rate* .....56
1.11	Business costs of terrorism .....46	6.11	Prevalence of foreign ownership .....38
1.12	Business costs of crime and violence .....88	6.12	Business impact of rules on FDI .....33
1.13	Organized crime .....57	6.13	Burden of customs procedures .....59
1.14	Reliability of police services .....48	6.14	Degree of customer orientation .....126
1.15	Ethical behavior of firms .....34	6.15	Buyer sophistication .....84
1.16	Strength of auditing and reporting standards .....40	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....54	7.01	Cooperation in labor-employer relations .....72
1.18	Protection of minority shareholders' interests .....52	7.02	Flexibility of wage determination .....100
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....1
2.01	Quality of overall infrastructure .....43	7.04	Rigidity of employment* .....22
2.02	Quality of roads .....44	7.05	Hiring and firing practices .....86
2.03	Quality of railroad infrastructure .....36	7.06	Firing costs* .....105
2.04	Quality of port infrastructure .....60	7.07	Pay and productivity .....94
2.05	Quality of air transport infrastructure .....97	7.08	Reliance on professional management .....38
2.06	Available seat kilometers* .....131	7.09	Brain drain .....50
2.07	Quality of electricity supply .....73	7.10	Female participation in labor force* .....90
2.08	Telephone lines* .....97	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....71
3.01	Government surplus/deficit* .....13	8.02	Financing through local equity market .....62
3.02	National savings rate* .....13	8.03	Ease of access to loans .....50
3.03	Inflation* .....90	8.04	Venture capital availability .....45
3.04	Interest rate spread* .....96	8.05	Restriction on capital flows .....21
3.05	Government debt* .....4	8.06	Strength of investor protection* .....86
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....38
4.01	Business impact of malaria .....109	8.08	Regulation of securities exchanges .....60
4.02	Malaria incidence* .....111	8.09	Legal rights index* .....16
4.03	Business impact of tuberculosis .....124	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....128	9.01	Availability of latest technologies .....64
4.05	Business impact of HIV/AIDS .....128	9.02	Firm-level technology absorption .....73
4.06	HIV prevalence* .....134	9.03	Laws relating to ICT .....92
4.07	Infant mortality* .....120	9.04	FDI and technology transfer .....80
4.08	Life expectancy* .....120	9.05	Mobile telephone subscribers* .....86
4.09	Quality of primary education .....66	9.06	Internet users* .....109
4.10	Primary enrollment* .....107	9.07	Personal computers* .....83
4.11	Education expenditure* .....2	9.08	Broadband Internet subscribers* .....99
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....89	10.01	Domestic market size* .....109
5.02	Tertiary enrollment* .....115	10.02	Foreign market size* .....91
5.03	Quality of the educational system .....50	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....82	11.01	Local supplier quantity .....130
5.05	Quality of management schools .....105	11.02	Local supplier quality .....118
5.06	Internet access in schools .....98	11.03	State of cluster development .....81
5.07	Local availability of research and training services .....104	11.04	Nature of competitive advantage .....58
5.08	Extent of staff training .....69	11.05	Value chain breadth .....108
		11.06	Control of international distribution .....128
		11.07	Production process sophistication .....99
		11.08	Extent of marketing .....101
		11.09	Willingness to delegate authority .....101
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....98
		12.02	Quality of scientific research institutions .....66
		12.03	Company spending on R&D .....95
		12.04	University-industry research collaboration .....66
		12.05	Gov't procurement of advanced tech products .....50
		12.06	Availability of scientists and engineers .....111
		12.07	Utility patents* .....88

\* Hard data

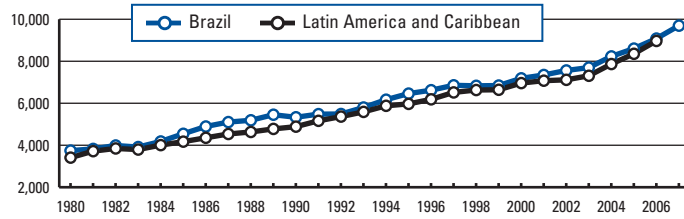
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Brazil

## Key indicators

Total population (millions), 2007 .....	191.3
GDP (US\$ billions), 2007 .....	1,313.6
GDP per capita (US\$), 2007 .....	6,937.9
GDP (PPP) as share (%) of world total, 2007 .....	2.81

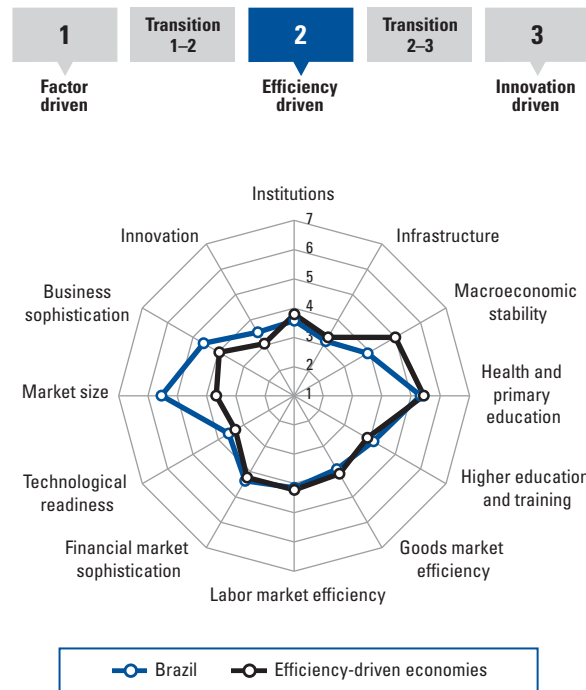
GDP (PPP US\$) per capita, 1980–2007



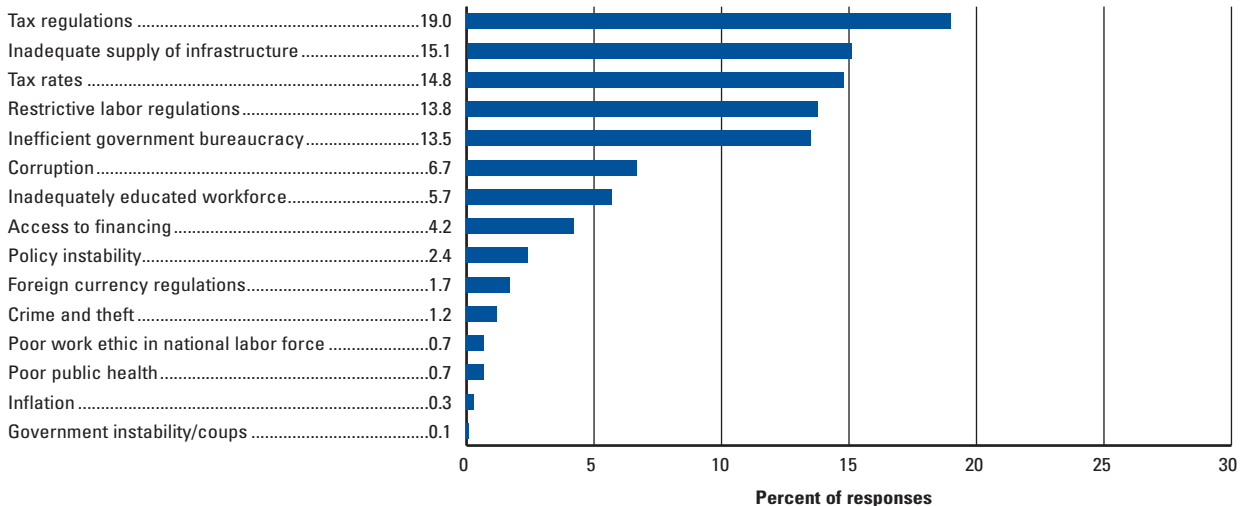
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>64</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	72	4.0
GCI 2006–2007 (out of 122) .....	66	4.1
<b>Basic requirements</b> .....	<b>96</b>	<b>4.0</b>
1st pillar: Institutions .....	91	3.6
2nd pillar: Infrastructure .....	78	3.2
3rd pillar: Macroeconomic stability .....	122	3.9
4th pillar: Health and primary education .....	79	5.3
<b>Efficiency enhancers</b> .....	<b>51</b>	<b>4.3</b>
5th pillar: Higher education and training .....	58	4.1
6th pillar: Goods market efficiency .....	101	3.9
7th pillar: Labor market efficiency .....	91	4.2
8th pillar: Financial market sophistication .....	64	4.4
9th pillar: Technological readiness .....	56	3.6
10th pillar: Market size .....	10	5.5
<b>Innovation and sophistication factors</b> .....	<b>42</b>	<b>4.0</b>
11th pillar: Business sophistication .....	35	4.6
12th pillar: Innovation .....	43	3.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....70	6.01	Intensity of local competition .....43
1.02	Intellectual property protection .....79	6.02	Extent of market dominance .....32
1.03	Diversion of public funds .....118	6.03	Effectiveness of anti-monopoly policy .....36
1.04	Public trust of politicians .....122	6.04	Extent and effect of taxation .....134
1.05	Judicial independence .....68	6.05	Total tax rate* .....116
1.06	Favoritism in decisions of government officials .....63	6.06	No. of procedures required to start a business* .....125
1.07	Wastefulness of government spending .....129	6.07	Time required to start a business* .....127
1.08	Burden of government regulation .....133	6.08	Agricultural policy costs .....27
1.09	Efficiency of legal framework .....98	6.09	Prevalence of trade barriers .....106
1.10	Transparency of government policymaking .....101	6.10	Trade-weighted tariff rate* .....92
1.11	Business costs of terrorism .....12	6.11	Prevalence of foreign ownership .....80
1.12	Business costs of crime and violence .....123	6.12	Business impact of rules on FDI .....82
1.13	Organized crime .....116	6.13	Burden of customs procedures .....127
1.14	Reliability of police services .....117	6.14	Degree of customer orientation .....56
1.15	Ethical behavior of firms .....89	6.15	Buyer sophistication .....69
1.16	Strength of auditing and reporting standards .....60	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....46	7.01	Cooperation in labor-employer relations .....84
1.18	Protection of minority shareholders' interests .....42	7.02	Flexibility of wage determination .....106
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....123
2.01	Quality of overall infrastructure .....98	7.04	Rigidity of employment* .....93
2.02	Quality of roads .....110	7.05	Hiring and firing practices .....112
2.03	Quality of railroad infrastructure .....86	7.06	Firing costs* .....67
2.04	Quality of port infrastructure .....123	7.07	Pay and productivity .....66
2.05	Quality of air transport infrastructure .....101	7.08	Reliance on professional management .....25
2.06	Available seat kilometers* .....12	7.09	Brain drain .....34
2.07	Quality of electricity supply .....58	7.10	Female participation in labor force* .....75
2.08	Telephone lines* .....62	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....21
3.01	Government surplus/deficit* .....91	8.02	Financing through local equity market .....56
3.02	National savings rate* .....86	8.03	Ease of access to loans .....77
3.03	Inflation* .....54	8.04	Venture capital availability .....79
3.04	Interest rate spread* .....131	8.05	Restriction on capital flows .....119
3.05	Government debt* .....85	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....24
4.01	Business impact of malaria .....66	8.08	Regulation of securities exchanges .....28
4.02	Malaria incidence* .....101	8.09	Legal rights index* .....119
4.03	Business impact of tuberculosis .....51	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....64	9.01	Availability of latest technologies .....58
4.05	Business impact of HIV/AIDS .....71	9.02	Firm-level technology absorption .....42
4.06	HIV prevalence* .....86	9.03	Laws relating to ICT .....49
4.07	Infant mortality* .....88	9.04	FDI and technology transfer .....43
4.08	Life expectancy* .....66	9.05	Mobile telephone subscribers* .....78
4.09	Quality of primary education .....119	9.06	Internet users* .....57
4.10	Primary enrollment* .....58	9.07	Personal computers* .....50
4.11	Education expenditure* .....64	9.08	Broadband Internet subscribers* .....52
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....14	10.01	Domestic market size* .....9
5.02	Tertiary enrollment* .....76	10.02	Foreign market size* .....23
5.03	Quality of the educational system .....117	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....124	11.01	Local supplier quantity .....13
5.05	Quality of management schools .....58	11.02	Local supplier quality .....41
5.06	Internet access in schools .....67	11.03	State of cluster development .....43
5.07	Local availability of research and training services .....26	11.04	Nature of competitive advantage .....96
5.08	Extent of staff training .....46	11.05	Value chain breadth .....66
		11.06	Control of international distribution .....46
		11.07	Production process sophistication .....33
		11.08	Extent of marketing .....27
		11.09	Willingness to delegate authority .....37
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....27
		12.02	Quality of scientific research institutions .....43
		12.03	Company spending on R&D .....31
		12.04	University-industry research collaboration .....50
		12.05	Gov't procurement of advanced tech products .....84
		12.06	Availability of scientists and engineers .....57
		12.07	Utility patents* .....58

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

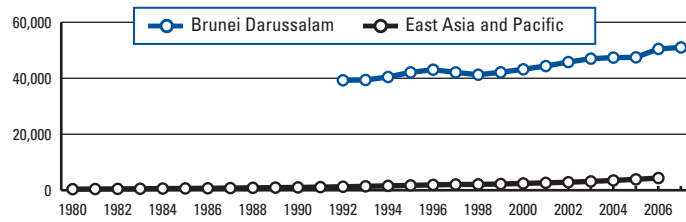


# Brunei Darussalam

## Key indicators

Total population (millions), 2007 .....	0.4
GDP (US\$ billions), 2007 .....	12.4
GDP per capita (US\$), 2007 .....	32,167.3
GDP (PPP) as share (%) of world total, 2007 .....	0.00

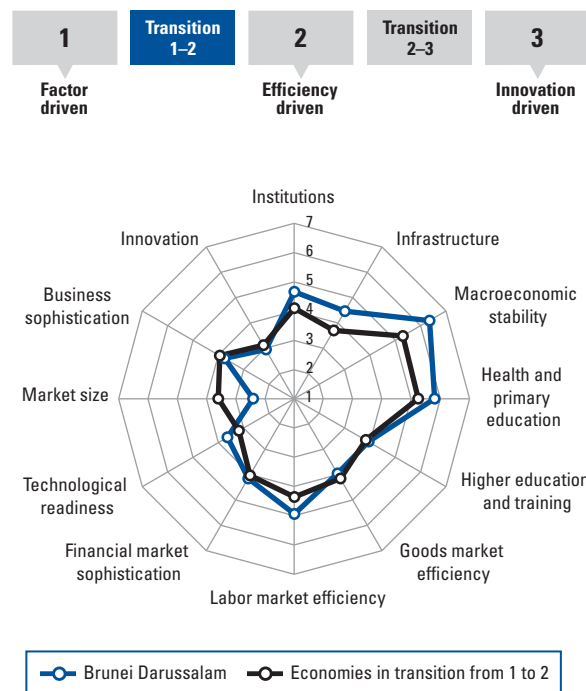
GDP (PPP US\$) per capita, 1980–2007



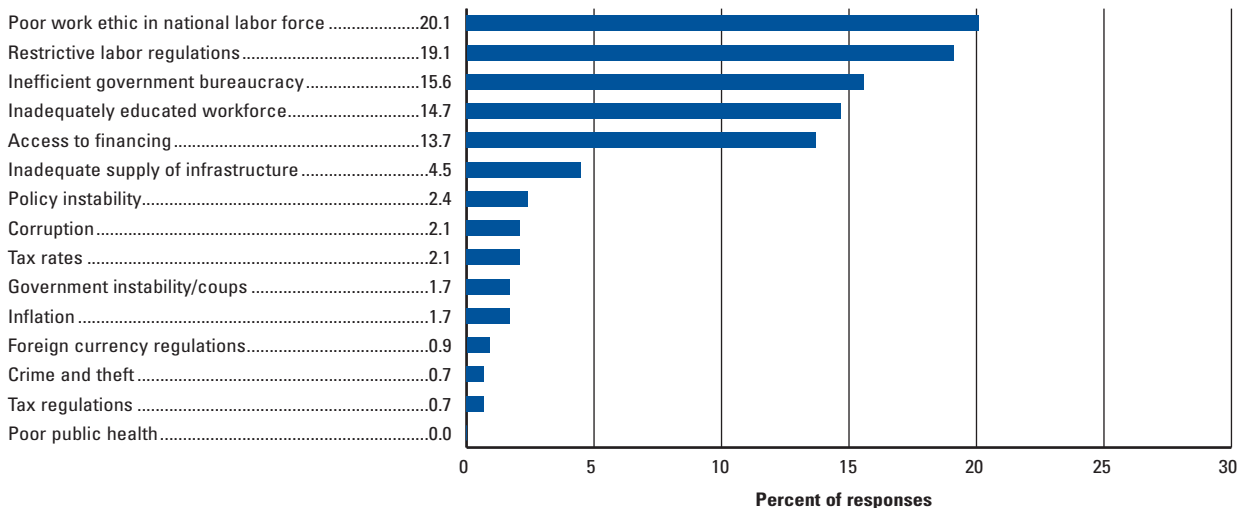
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>39</b>	<b>4.5</b>
GCI 2007–2008 (out of 131) .....	n/a	n/a
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>29</b>	<b>5.3</b>
1st pillar: Institutions .....	41	4.7
2nd pillar: Infrastructure .....	39	4.4
3rd pillar: Macroeconomic stability .....	2	6.3
4th pillar: Health and primary education .....	47	5.8
<b>Efficiency enhancers</b> .....	<b>77</b>	<b>3.8</b>
5th pillar: Higher education and training .....	69	3.9
6th pillar: Goods market efficiency .....	91	3.9
7th pillar: Labor market efficiency .....	16	4.9
8th pillar: Financial market sophistication .....	75	4.1
9th pillar: Technological readiness .....	54	3.6
10th pillar: Market size .....	116	2.4
<b>Innovation and sophistication factors</b> .....	<b>87</b>	<b>3.3</b>
11th pillar: Business sophistication .....	89	3.8
12th pillar: Innovation .....	91	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....62	6.01	Intensity of local competition .....81
1.02	Intellectual property protection .....52	6.02	Extent of market dominance .....61
1.03	Diversion of public funds .....31	6.03	Effectiveness of anti-monopoly policy .....83
1.04	Public trust of politicians .....23	6.04	Extent and effect of taxation .....10
1.05	Judicial independence .....54	6.05	Total tax rate* .....47
1.06	Favoritism in decisions of government officials .....31	6.06	No. of procedures required to start a business* .....125
1.07	Wastefulness of government spending .....15	6.07	Time required to start a business* .....125
1.08	Burden of government regulation .....58	6.08	Agricultural policy costs .....31
1.09	Efficiency of legal framework .....47	6.09	Prevalence of trade barriers .....80
1.10	Transparency of government policymaking .....36	6.10	Trade-weighted tariff rate* .....70
1.11	Business costs of terrorism .....22	6.11	Prevalence of foreign ownership .....121
1.12	Business costs of crime and violence .....15	6.12	Business impact of rules on FDI .....81
1.13	Organized crime .....17	6.13	Burden of customs procedures .....38
1.14	Reliability of police services .....42	6.14	Degree of customer orientation .....62
1.15	Ethical behavior of firms .....50	6.15	Buyer sophistication .....99
1.16	Strength of auditing and reporting standards .....63	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....43	7.01	Cooperation in labor-employer relations .....21
1.18	Protection of minority shareholders' interests .....93	7.02	Flexibility of wage determination .....36
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....18
2.01	Quality of overall infrastructure .....39	7.04	Rigidity of employment* .....8
2.02	Quality of roads .....28	7.05	Hiring and firing practices .....79
2.03	Quality of railroad infrastructure .....n/a	7.06	Firing costs* .....7
2.04	Quality of port infrastructure .....35	7.07	Pay and productivity .....22
2.05	Quality of air transport infrastructure .....38	7.08	Reliance on professional management .....82
2.06	Available seat kilometers* .....86	7.09	Brain drain .....30
2.07	Quality of electricity supply .....45	7.10	Female participation in labor force* .....109
2.08	Telephone lines* .....61	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....68
3.01	Government surplus/deficit* .....5	8.02	Financing through local equity market .....126
3.02	National savings rate* .....15	8.03	Ease of access to loans .....62
3.03	Inflation* .....4	8.04	Venture capital availability .....78
3.04	Interest rate spread* .....52	8.05	Restriction on capital flows .....71
3.05	Government debt* .....1	8.06	Strength of investor protection* .....86
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....61
4.01	Business impact of malaria .....89	8.08	Regulation of securities exchanges .....101
4.02	Malaria incidence* .....74	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....85	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....80	9.01	Availability of latest technologies .....59
4.05	Business impact of HIV/AIDS .....69	9.02	Firm-level technology absorption .....53
4.06	HIV prevalence* .....1	9.03	Laws relating to ICT .....85
4.07	Infant mortality* .....39	9.04	FDI and technology transfer .....82
4.08	Life expectancy* .....37	9.05	Mobile telephone subscribers* .....53
4.09	Quality of primary education .....32	9.06	Internet users* .....35
4.10	Primary enrollment* .....64	9.07	Personal computers* .....67
4.11	Education expenditure* .....101	9.08	Broadband Internet subscribers* .....57
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....33	10.01	Domestic market size* .....123
5.02	Tertiary enrollment* .....94	10.02	Foreign market size* .....92
5.03	Quality of the educational system .....48	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....53	11.01	Local supplier quantity .....63
5.05	Quality of management schools .....88	11.02	Local supplier quality .....82
5.06	Internet access in schools .....36	11.03	State of cluster development .....78
5.07	Local availability of research and training services .....105	11.04	Nature of competitive advantage .....39
5.08	Extent of staff training .....61	11.05	Value chain breadth .....128
		11.06	Control of international distribution .....127
		11.07	Production process sophistication .....87
		11.08	Extent of marketing .....106
		11.09	Willingness to delegate authority .....104
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....103
		12.02	Quality of scientific research institutions .....93
		12.03	Company spending on R&D .....92
		12.04	University-industry research collaboration .....76
		12.05	Gov't procurement of advanced tech products .....45
		12.06	Availability of scientists and engineers .....117
		12.07	Utility patents* .....88

\* Hard data

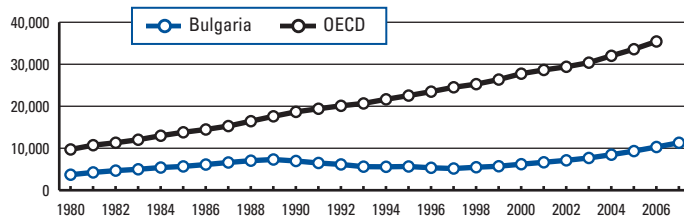
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Bulgaria

## Key indicators

Total population (millions), 2007	7.6
GDP (US\$ billions), 2007	39.6
GDP per capita (US\$), 2007	5,186.4
GDP (PPP) as share (%) of world total, 2007	0.13

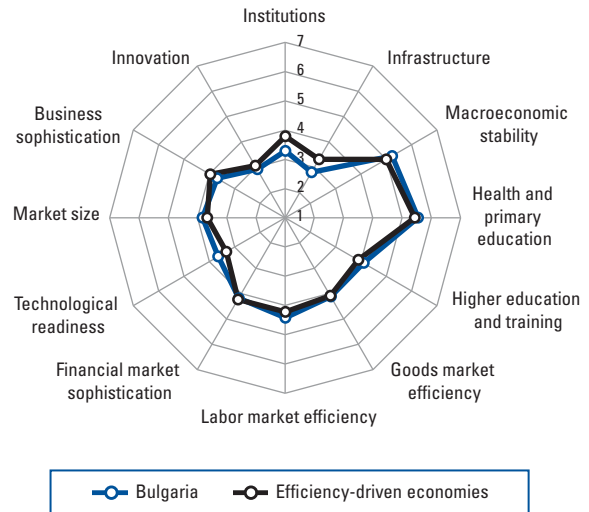
GDP (PPP US\$) per capita, 1980–2007



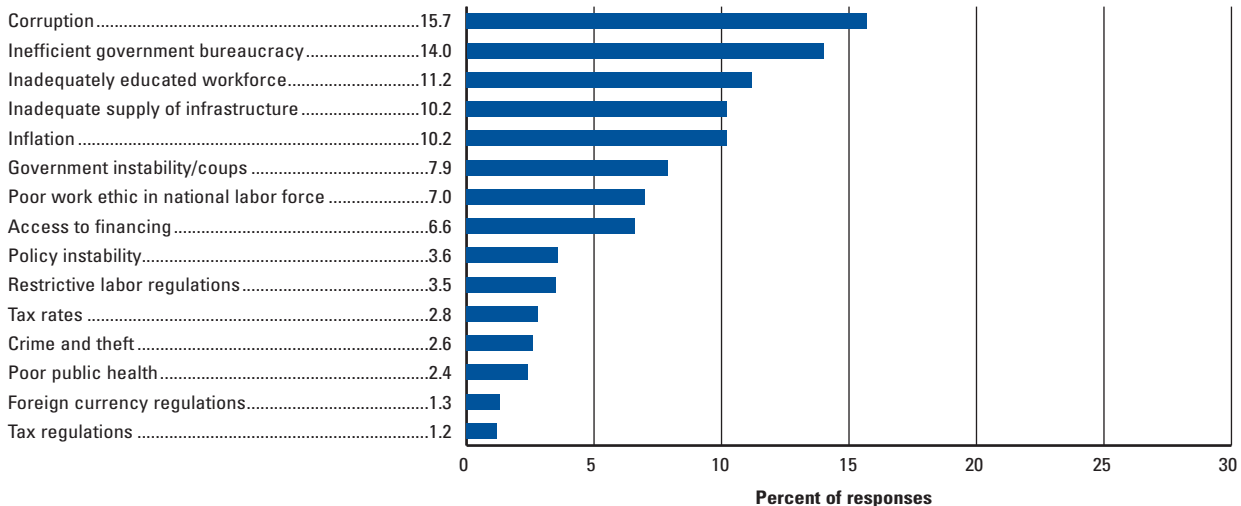
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>76</b>	<b>4.0</b>
GCI 2007–2008 (out of 131)	79	3.9
GCI 2006–2007 (out of 122)	74	4.0
<b>Basic requirements</b>	<b>82</b>	<b>4.2</b>
1st pillar: Institutions	111	3.3
2nd pillar: Infrastructure	95	2.8
3rd pillar: Macroeconomic stability	54	5.2
4th pillar: Health and primary education	68	5.5
<b>Efficiency enhancers</b>	<b>65</b>	<b>4.0</b>
5th pillar: Higher education and training	61	4.1
6th pillar: Goods market efficiency	77	4.1
7th pillar: Labor market efficiency	60	4.4
8th pillar: Financial market sophistication	74	4.2
9th pillar: Technological readiness	53	3.6
10th pillar: Market size	58	3.8
<b>Innovation and sophistication factors</b>	<b>92</b>	<b>3.3</b>
11th pillar: Business sophistication	92	3.7
12th pillar: Innovation	96	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	97
1.02 Intellectual property protection	103
1.03 Diversion of public funds	116
1.04 Public trust of politicians	112
1.05 Judicial independence	110
1.06 Favoritism in decisions of government officials	111
1.07 Wastefulness of government spending	109
1.08 Burden of government regulation	84
1.09 Efficiency of legal framework	119
1.10 Transparency of government policymaking	113
1.11 Business costs of terrorism	104
1.12 Business costs of crime and violence	99
1.13 Organized crime	120
1.14 Reliability of police services	112
1.15 Ethical behavior of firms	98
1.16 Strength of auditing and reporting standards	90
1.17 Efficacy of corporate boards	96
1.18 Protection of minority shareholders' interests	120
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	109
2.02 Quality of roads	117
2.03 Quality of railroad infrastructure	55
2.04 Quality of port infrastructure	79
2.05 Quality of air transport infrastructure	104
2.06 Available seat kilometers*	79
2.07 Quality of electricity supply	95
2.08 Telephone lines*	38
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	24
3.02 National savings rate*	98
3.03 Inflation*	93
3.04 Interest rate spread*	79
3.05 Government debt*	28
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	68
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	72
4.04 Tuberculosis incidence*	57
4.05 Business impact of HIV/AIDS	62
4.06 HIV prevalence*	1
4.07 Infant mortality*	54
4.08 Life expectancy*	55
4.09 Quality of primary education	79
4.10 Primary enrollment*	70
4.11 Education expenditure*	66
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	13
5.02 Tertiary enrollment*	46
5.03 Quality of the educational system	81
5.04 Quality of math and science education	51
5.05 Quality of management schools	93
5.06 Internet access in schools	53
5.07 Local availability of research and training services	70
5.08 Extent of staff training	118

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	66
6.02 Extent of market dominance	65
6.03 Effectiveness of anti-monopoly policy	93
6.04 Extent and effect of taxation	79
6.05 Total tax rate*	43
6.06 No. of procedures required to start a business*	58
6.07 Time required to start a business*	75
6.08 Agricultural policy costs	127
6.09 Prevalence of trade barriers	74
6.10 Trade-weighted tariff rate*	5
6.11 Prevalence of foreign ownership	102
6.12 Business impact of rules on FDI	118
6.13 Burden of customs procedures	79
6.14 Degree of customer orientation	82
6.15 Buyer sophistication	87
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	112
7.02 Flexibility of wage determination	26
7.03 Non-wage labor costs*	98
7.04 Rigidity of employment*	47
7.05 Hiring and firing practices	35
7.06 Firing costs*	15
7.07 Pay and productivity	42
7.08 Reliance on professional management	126
7.09 Brain drain	127
7.10 Female participation in labor force*	47
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	102
8.02 Financing through local equity market	90
8.03 Ease of access to loans	40
8.04 Venture capital availability	66
8.05 Restriction on capital flows	92
8.06 Strength of investor protection*	26
8.07 Soundness of banks	80
8.08 Regulation of securities exchanges	104
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	103
9.02 Firm-level technology absorption	114
9.03 Laws relating to ICT	44
9.04 FDI and technology transfer	115
9.05 Mobile telephone subscribers*	19
9.06 Internet users*	29
9.07 Personal computers*	79
9.08 Broadband Internet subscribers*	45
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	60
10.02 Foreign market size*	59
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	61
11.02 Local supplier quality	78
11.03 State of cluster development	99
11.04 Nature of competitive advantage	100
11.05 Value chain breadth	86
11.06 Control of international distribution	86
11.07 Production process sophistication	95
11.08 Extent of marketing	96
11.09 Willingness to delegate authority	125
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	80
12.02 Quality of scientific research institutions	75
12.03 Company spending on R&D	101
12.04 University-industry research collaboration	92
12.05 Gov't procurement of advanced tech products	82
12.06 Availability of scientists and engineers	93
12.07 Utility patents*	50

\* Hard data

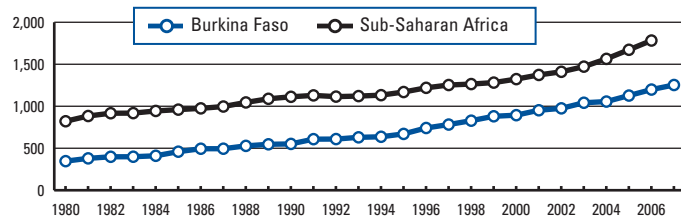
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Burkina Faso

## Key indicators

Total population (millions), 2007 .....	14.0
GDP (US\$ billions), 2007 .....	7.0
GDP per capita (US\$), 2007 .....	508.3
GDP (PPP) as share (%) of world total, 2007 .....	0.03

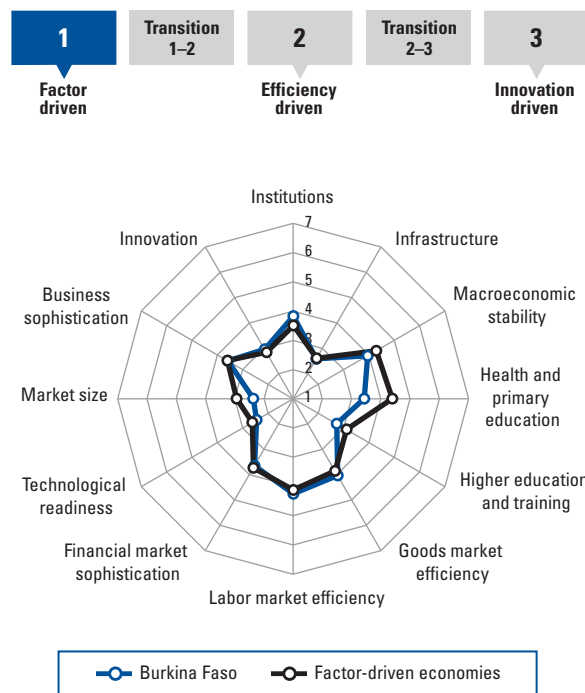
GDP (PPP US\$) per capita, 1980–2007



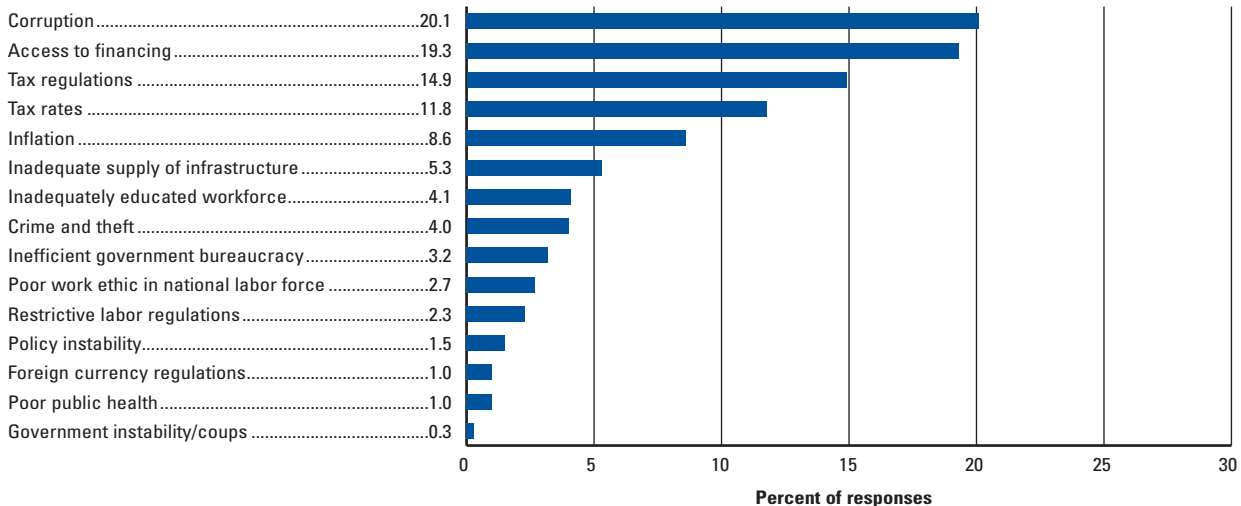
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>127</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	112	3.4
GCI 2006–2007 (out of 122) .....	114	3.3
<b>Basic requirements</b> .....	<b>126</b>	<b>3.4</b>
1st pillar: Institutions .....	75	3.8
2nd pillar: Infrastructure .....	104	2.6
3rd pillar: Macroeconomic stability .....	120	3.9
4th pillar: Health and primary education .....	131	3.4
<b>Efficiency enhancers</b> .....	<b>118</b>	<b>3.2</b>
5th pillar: Higher education and training .....	124	2.7
6th pillar: Goods market efficiency .....	83	4.0
7th pillar: Labor market efficiency .....	80	4.3
8th pillar: Financial market sophistication .....	108	3.7
9th pillar: Technological readiness .....	120	2.5
10th pillar: Market size .....	117	2.4
<b>Innovation and sophistication factors</b> .....	<b>95</b>	<b>3.3</b>
11th pillar: Business sophistication .....	96	3.6
12th pillar: Innovation .....	89	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	72 ■
1.02 Intellectual property protection .....	68 ■
1.03 Diversion of public funds .....	88 ■
1.04 Public trust of politicians .....	75 ■
1.05 Judicial independence .....	89 ■
1.06 Favoritism in decisions of government officials .....	59 ■
1.07 Wastefulness of government spending .....	59 ■
1.08 Burden of government regulation .....	42 ■
1.09 Efficiency of legal framework .....	75 ■
1.10 Transparency of government policymaking .....	34 ■
1.11 Business costs of terrorism .....	86 ■
1.12 Business costs of crime and violence .....	107 ■
1.13 Organized crime .....	106 ■
1.14 Reliability of police services .....	51 ■
1.15 Ethical behavior of firms .....	79 ■
1.16 Strength of auditing and reporting standards .....	93 ■
1.17 Efficacy of corporate boards .....	106 ■
1.18 Protection of minority shareholders' interests .....	62 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	100 ■
2.02 Quality of roads .....	98 ■
2.03 Quality of railroad infrastructure .....	75 ■
2.04 Quality of port infrastructure .....	66 ■
2.05 Quality of air transport infrastructure .....	107 ■
2.06 Available seat kilometers* .....	122 ■
2.07 Quality of electricity supply .....	106 ■
2.08 Telephone lines* .....	125 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	128 ■
3.02 National savings rate* .....	124 ■
3.03 Inflation* .....	2 ■
3.04 Interest rate spread* .....	n/a
3.05 Government debt* .....	n/a
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	119 ■
4.02 Malaria incidence* .....	126 ■
4.03 Business impact of tuberculosis .....	104 ■
4.04 Tuberculosis incidence* .....	110 ■
4.05 Business impact of HIV/AIDS .....	103 ■
4.06 HIV prevalence* .....	111 ■
4.07 Infant mortality* .....	123 ■
4.08 Life expectancy* .....	129 ■
4.09 Quality of primary education .....	86 ■
4.10 Primary enrollment* .....	130 ■
4.11 Education expenditure* .....	53 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	132 ■
5.02 Tertiary enrollment* .....	127 ■
5.03 Quality of the educational system .....	113 ■
5.04 Quality of math and science education .....	89 ■
5.05 Quality of management schools .....	79 ■
5.06 Internet access in schools .....	124 ■
5.07 Local availability of research and training services .....	80 ■
5.08 Extent of staff training .....	125 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	102 ■
6.02 Extent of market dominance .....	73 ■
6.03 Effectiveness of anti-monopoly policy .....	73 ■
6.04 Extent and effect of taxation .....	82 ■
6.05 Total tax rate* .....	84 ■
6.06 No. of procedures required to start a business* .....	19 ■
6.07 Time required to start a business* .....	38 ■
6.08 Agricultural policy costs .....	63 ■
6.09 Prevalence of trade barriers .....	75 ■
6.10 Trade-weighted tariff rate* .....	100 ■
6.11 Prevalence of foreign ownership .....	94 ■
6.12 Business impact of rules on FDI .....	93 ■
6.13 Burden of customs procedures .....	73 ■
6.14 Degree of customer orientation .....	86 ■
6.15 Buyer sophistication .....	106 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	55 ■
7.02 Flexibility of wage determination .....	93 ■
7.03 Non-wage labor costs* .....	85 ■
7.04 Rigidity of employment* .....	118 ■
7.05 Hiring and firing practices .....	55 ■
7.06 Firing costs* .....	60 ■
7.07 Pay and productivity .....	121 ■
7.08 Reliance on professional management .....	101 ■
7.09 Brain drain .....	58 ■
7.10 Female participation in labor force* .....	24 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	101 ■
8.02 Financing through local equity market .....	93 ■
8.03 Ease of access to loans .....	132 ■
8.04 Venture capital availability .....	132 ■
8.05 Restriction on capital flows .....	98 ■
8.06 Strength of investor protection* .....	107 ■
8.07 Soundness of banks .....	68 ■
8.08 Regulation of securities exchanges .....	95 ■
8.09 Legal rights index* .....	72 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	115 ■
9.02 Firm-level technology absorption .....	99 ■
9.03 Laws relating to ICT .....	100 ■
9.04 FDI and technology transfer .....	95 ■
9.05 Mobile telephone subscribers* .....	124 ■
9.06 Internet users* .....	128 ■
9.07 Personal computers* .....	120 ■
9.08 Broadband Internet subscribers* .....	115 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	110 ■
10.02 Foreign market size* .....	129 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	71 ■
11.02 Local supplier quality .....	76 ■
11.03 State of cluster development .....	119 ■
11.04 Nature of competitive advantage .....	64 ■
11.05 Value chain breadth .....	93 ■
11.06 Control of international distribution .....	93 ■
11.07 Production process sophistication .....	113 ■
11.08 Extent of marketing .....	121 ■
11.09 Willingness to delegate authority .....	131 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	62 ■
12.02 Quality of scientific research institutions .....	76 ■
12.03 Company spending on R&D .....	110 ■
12.04 University-industry research collaboration .....	108 ■
12.05 Gov't procurement of advanced tech products .....	47 ■
12.06 Availability of scientists and engineers .....	113 ■
12.07 Utility patents* .....	88 ■

\* Hard data

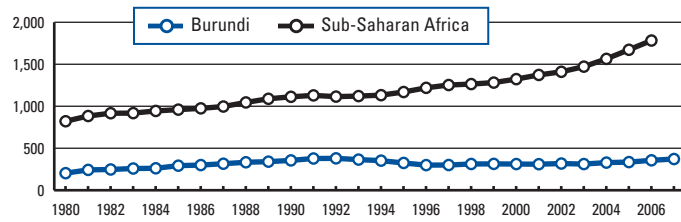
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Burundi

## Key indicators

Total population (millions), 2007 .....	8.1
GDP (US\$ billions), 2007 .....	1.0
GDP per capita (US\$), 2007 .....	128.5
GDP (PPP) as share (%) of world total, 2007 .....	0.00

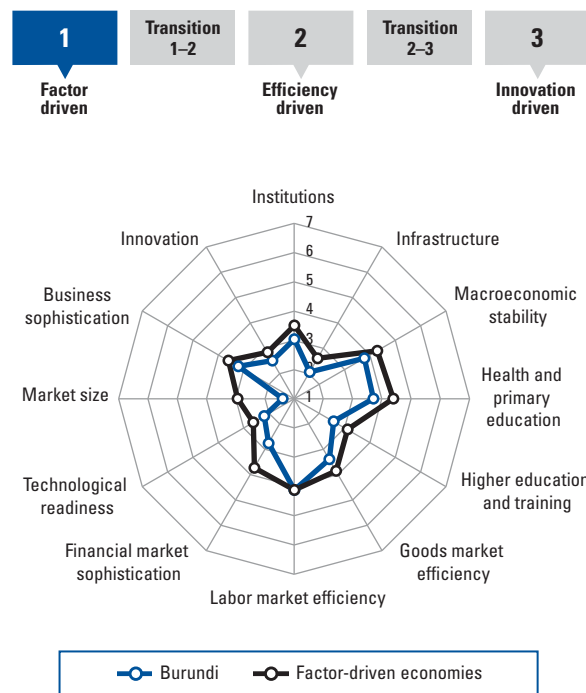
GDP (PPP US\$) per capita, 1980–2007



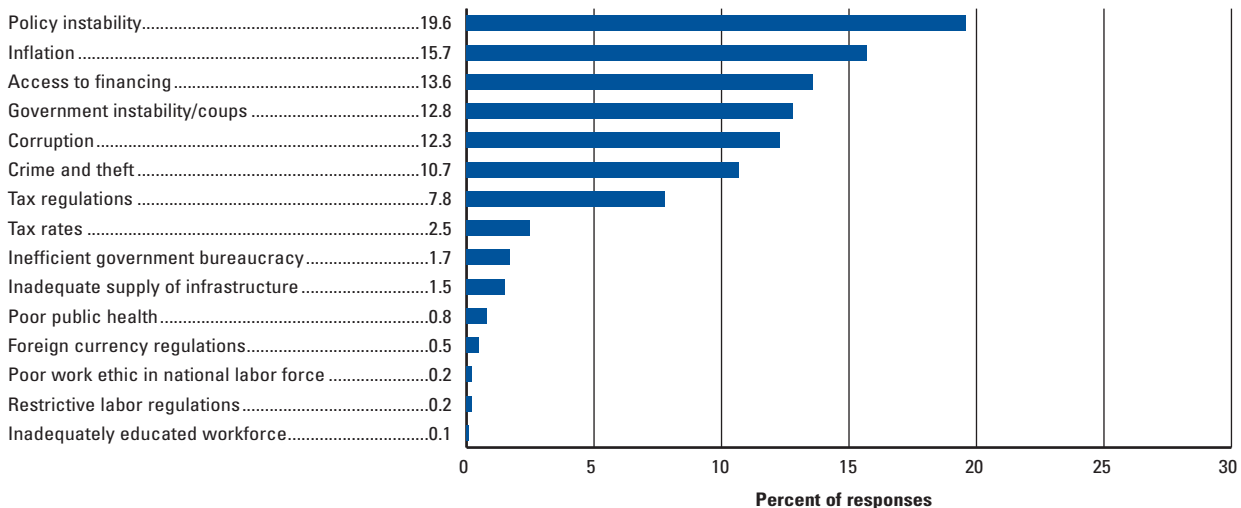
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>132</b>	<b>3.0</b>
GCI 2007–2008 (out of 131) .....	130	2.8
GCI 2006–2007 (out of 122) .....	122	2.7
<b>Basic requirements</b> .....	<b>132</b>	<b>3.1</b>
1st pillar: Institutions .....	124	3.0
2nd pillar: Infrastructure .....	129	2.1
3rd pillar: Macroeconomic stability .....	124	3.8
4th pillar: Health and primary education .....	124	3.7
<b>Efficiency enhancers</b> .....	<b>133</b>	<b>2.7</b>
5th pillar: Higher education and training .....	130	2.5
6th pillar: Goods market efficiency .....	128	3.4
7th pillar: Labor market efficiency .....	95	4.1
8th pillar: Financial market sophistication .....	134	2.8
9th pillar: Technological readiness .....	131	2.2
10th pillar: Market size .....	131	1.4
<b>Innovation and sophistication factors</b> .....	<b>125</b>	<b>2.9</b>
11th pillar: Business sophistication .....	127	3.2
12th pillar: Innovation .....	123	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	128	6.01 Intensity of local competition .....	119
1.02 Intellectual property protection .....	126	6.02 Extent of market dominance .....	115
1.03 Diversion of public funds .....	124	6.03 Effectiveness of anti-monopoly policy .....	99
1.04 Public trust of politicians .....	108	6.04 Extent and effect of taxation .....	115
1.05 Judicial independence .....	127	6.05 Total tax rate* .....	127
1.06 Favoritism in decisions of government officials .....	99	6.06 No. of procedures required to start a business* .....	91
1.07 Wastefulness of government spending .....	100	6.07 Time required to start a business* .....	96
1.08 Burden of government regulation .....	75	6.08 Agricultural policy costs .....	125
1.09 Efficiency of legal framework .....	123	6.09 Prevalence of trade barriers .....	117
1.10 Transparency of government policymaking .....	110	6.10 Trade-weighted tariff rate* .....	109
1.11 Business costs of terrorism .....	128	6.11 Prevalence of foreign ownership .....	120
1.12 Business costs of crime and violence .....	106	6.12 Business impact of rules on FDI .....	111
1.13 Organized crime .....	121	6.13 Burden of customs procedures .....	108
1.14 Reliability of police services .....	108	6.14 Degree of customer orientation .....	76
1.15 Ethical behavior of firms .....	109	6.15 Buyer sophistication .....	133
1.16 Strength of auditing and reporting standards .....	122	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	80	7.01 Cooperation in labor-employer relations .....	83
1.18 Protection of minority shareholders' interests .....	114	7.02 Flexibility of wage determination .....	15
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	24
2.01 Quality of overall infrastructure .....	129	7.04 Rigidity of employment* .....	79
2.02 Quality of roads .....	123	7.05 Hiring and firing practices .....	77
2.03 Quality of railroad infrastructure .....	n/a	7.06 Firing costs* .....	45
2.04 Quality of port infrastructure .....	99	7.07 Pay and productivity .....	134
2.05 Quality of air transport infrastructure .....	110	7.08 Reliance on professional management .....	129
2.06 Available seat kilometers* .....	132	7.09 Brain drain .....	130
2.07 Quality of electricity supply .....	119	7.10 Female participation in labor force* .....	2
2.08 Telephone lines* .....	128	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	129
3.01 Government surplus/deficit* .....	49	8.02 Financing through local equity market .....	122
3.02 National savings rate* .....	114	8.03 Ease of access to loans .....	127
3.03 Inflation* .....	105	8.04 Venture capital availability .....	109
3.04 Interest rate spread* .....	100	8.05 Restriction on capital flows .....	128
3.05 Government debt* .....	128	8.06 Strength of investor protection* .....	112
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	126
4.01 Business impact of malaria .....	122	8.08 Regulation of securities exchanges .....	127
4.02 Malaria incidence* .....	132	8.09 Legal rights index* .....	123
4.03 Business impact of tuberculosis .....	97	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	121	9.01 Availability of latest technologies .....	132
4.05 Business impact of HIV/AIDS .....	108	9.02 Firm-level technology absorption .....	113
4.06 HIV prevalence* .....	116	9.03 Laws relating to ICT .....	109
4.07 Infant mortality* .....	131	9.04 FDI and technology transfer .....	123
4.08 Life expectancy* .....	127	9.05 Mobile telephone subscribers* .....	133
4.09 Quality of primary education .....	112	9.06 Internet users* .....	125
4.10 Primary enrollment* .....	117	9.07 Personal computers* .....	119
4.11 Education expenditure* .....	39	9.08 Broadband Internet subscribers* .....	126
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	133	10.01 Domestic market size* .....	130
5.02 Tertiary enrollment* .....	129	10.02 Foreign market size* .....	133
5.03 Quality of the educational system .....	123	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	70	11.01 Local supplier quantity .....	110
5.05 Quality of management schools .....	103	11.02 Local supplier quality .....	119
5.06 Internet access in schools .....	131	11.03 State of cluster development .....	131
5.07 Local availability of research and training services .....	113	11.04 Nature of competitive advantage .....	76
5.08 Extent of staff training .....	131	11.05 Value chain breadth .....	77
		11.06 Control of international distribution .....	94
		11.07 Production process sophistication .....	127
		11.08 Extent of marketing .....	132
		11.09 Willingness to delegate authority .....	130
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	114
		12.02 Quality of scientific research institutions .....	105
		12.03 Company spending on R&D .....	109
		12.04 University-industry research collaboration .....	110
		12.05 Gov't procurement of advanced tech products .....	79
		12.06 Availability of scientists and engineers .....	134
		12.07 Utility patents* .....	88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

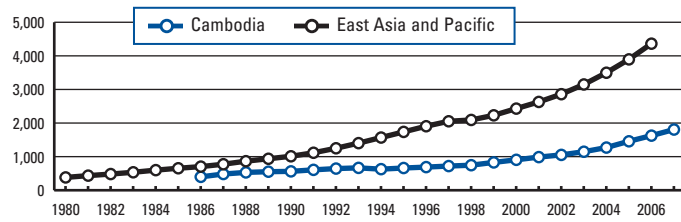


# Cambodia

## Key indicators

Total population (millions), 2007 .....	14.6
GDP (US\$ billions), 2007 .....	8.6
GDP per capita (US\$), 2007 .....	600.0
GDP (PPP) as share (%) of world total, 2007 .....	0.04

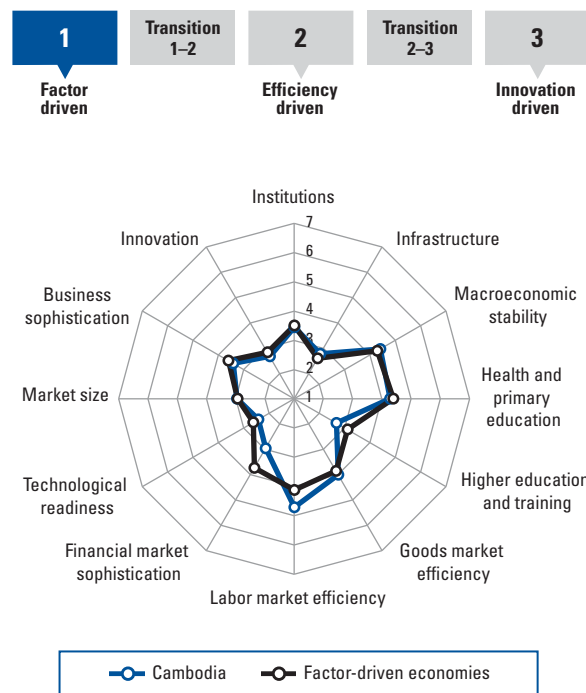
GDP (PPP US\$) per capita, 1980–2007



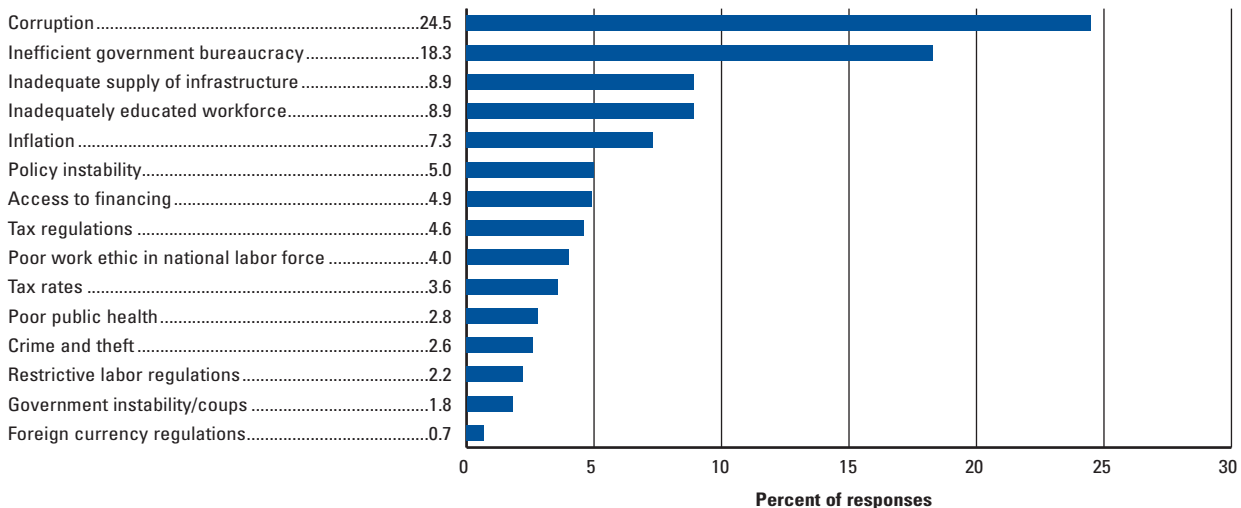
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>109</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	110	3.5
GCI 2006–2007 (out of 122) .....	105	3.4
<b>Basic requirements</b> .....	<b>107</b>	<b>3.7</b>
1st pillar: Institutions .....	103	3.4
2nd pillar: Infrastructure .....	97	2.8
3rd pillar: Macroeconomic stability .....	105	4.4
4th pillar: Health and primary education .....	111	4.3
<b>Efficiency enhancers</b> .....	<b>115</b>	<b>3.3</b>
5th pillar: Higher education and training .....	127	2.7
6th pillar: Goods market efficiency .....	88	4.0
7th pillar: Labor market efficiency .....	33	4.7
8th pillar: Financial market sophistication .....	130	3.0
9th pillar: Technological readiness .....	123	2.4
10th pillar: Market size .....	95	3.0
<b>Innovation and sophistication factors</b> .....	<b>112</b>	<b>3.0</b>
11th pillar: Business sophistication .....	110	3.4
12th pillar: Innovation .....	112	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	118
1.02 Intellectual property protection .....	110
1.03 Diversion of public funds .....	92
1.04 Public trust of politicians .....	70
1.05 Judicial independence .....	118
1.06 Favoritism in decisions of government officials .....	87
1.07 Wastefulness of government spending .....	81
1.08 Burden of government regulation .....	87
1.09 Efficiency of legal framework .....	91
1.10 Transparency of government policymaking .....	76
1.11 Business costs of terrorism .....	98
1.12 Business costs of crime and violence .....	79
1.13 Organized crime .....	83
1.14 Reliability of police services .....	115
1.15 Ethical behavior of firms .....	99
1.16 Strength of auditing and reporting standards .....	126
1.17 Efficacy of corporate boards .....	72
1.18 Protection of minority shareholders' interests .....	106
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	82
2.02 Quality of roads .....	80
2.03 Quality of railroad infrastructure .....	97
2.04 Quality of port infrastructure .....	91
2.05 Quality of air transport infrastructure .....	87
2.06 Available seat kilometers* .....	91
2.07 Quality of electricity supply .....	117
2.08 Telephone lines* .....	132
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	71
3.02 National savings rate* .....	93
3.03 Inflation* .....	74
3.04 Interest rate spread* .....	122
3.05 Government debt* .....	52
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	105
4.02 Malaria incidence* .....	109
4.03 Business impact of tuberculosis .....	109
4.04 Tuberculosis incidence* .....	127
4.05 Business impact of HIV/AIDS .....	109
4.06 HIV prevalence* .....	95
4.07 Infant mortality* .....	125
4.08 Life expectancy* .....	108
4.09 Quality of primary education .....	122
4.10 Primary enrollment* .....	87
4.11 Education expenditure* .....	121
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	115
5.02 Tertiary enrollment* .....	117
5.03 Quality of the educational system .....	112
5.04 Quality of math and science education .....	122
5.05 Quality of management schools .....	123
5.06 Internet access in schools .....	107
5.07 Local availability of research and training services .....	115
5.08 Extent of staff training .....	107

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	118
6.02 Extent of market dominance .....	88
6.03 Effectiveness of anti-monopoly policy .....	118
6.04 Extent and effect of taxation .....	44
6.05 Total tax rate* .....	9
6.06 No. of procedures required to start a business* .....	75
6.07 Time required to start a business* .....	120
6.08 Agricultural policy costs .....	40
6.09 Prevalence of trade barriers .....	105
6.10 Trade-weighted tariff rate* .....	107
6.11 Prevalence of foreign ownership .....	75
6.12 Business impact of rules on FDI .....	70
6.13 Burden of customs procedures .....	110
6.14 Degree of customer orientation .....	85
6.15 Buyer sophistication .....	65
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	113
7.02 Flexibility of wage determination .....	84
7.03 Non-wage labor costs* .....	1
7.04 Rigidity of employment* .....	90
7.05 Hiring and firing practices .....	47
7.06 Firing costs* .....	70
7.07 Pay and productivity .....	64
7.08 Reliance on professional management .....	121
7.09 Brain drain .....	55
7.10 Female participation in labor force* .....	6
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	114
8.02 Financing through local equity market .....	134
8.03 Ease of access to loans .....	107
8.04 Venture capital availability .....	95
8.05 Restriction on capital flows .....	62
8.06 Strength of investor protection* .....	50
8.07 Soundness of banks .....	125
8.08 Regulation of securities exchanges .....	130
8.09 Legal rights index* .....	128
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	109
9.02 Firm-level technology absorption .....	106
9.03 Laws relating to ICT .....	122
9.04 FDI and technology transfer .....	94
9.05 Mobile telephone subscribers* .....	120
9.06 Internet users* .....	130
9.07 Personal computers* .....	128
9.08 Broadband Internet subscribers* .....	108
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	96
10.02 Foreign market size* .....	79
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	126
11.02 Local supplier quality .....	117
11.03 State of cluster development .....	60
11.04 Nature of competitive advantage .....	86
11.05 Value chain breadth .....	88
11.06 Control of international distribution .....	123
11.07 Production process sophistication .....	107
11.08 Extent of marketing .....	117
11.09 Willingness to delegate authority .....	120
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	107
12.02 Quality of scientific research institutions .....	120
12.03 Company spending on R&D .....	75
12.04 University-industry research collaboration .....	106
12.05 Gov't procurement of advanced tech products .....	85
12.06 Availability of scientists and engineers .....	126
12.07 Utility patents* .....	88

\* Hard data

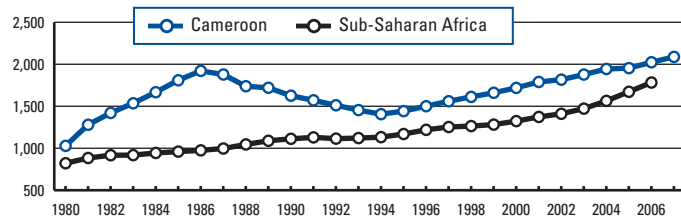
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Cameroon

## Key indicators

Total population (millions), 2007 .....	16.9
GDP (US\$ billions), 2007 .....	20.6
GDP per capita (US\$), 2007 .....	1,095.0
GDP (PPP) as share (%) of world total, 2007 .....	0.06

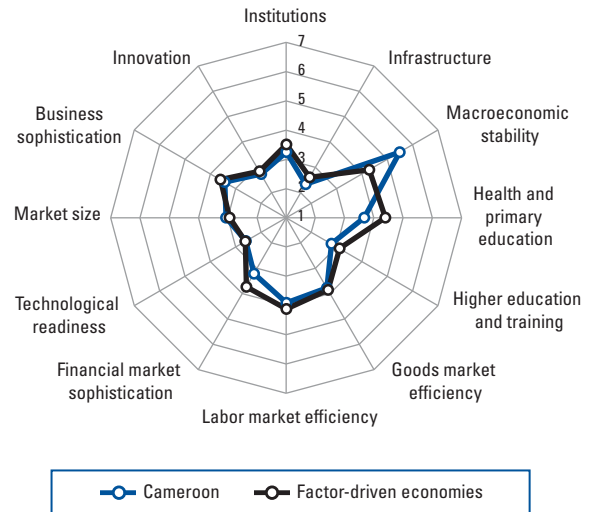
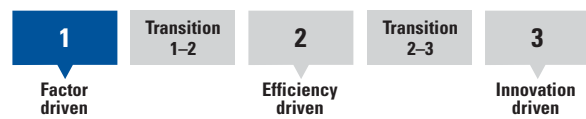
GDP (PPP US\$) per capita, 1980–2007



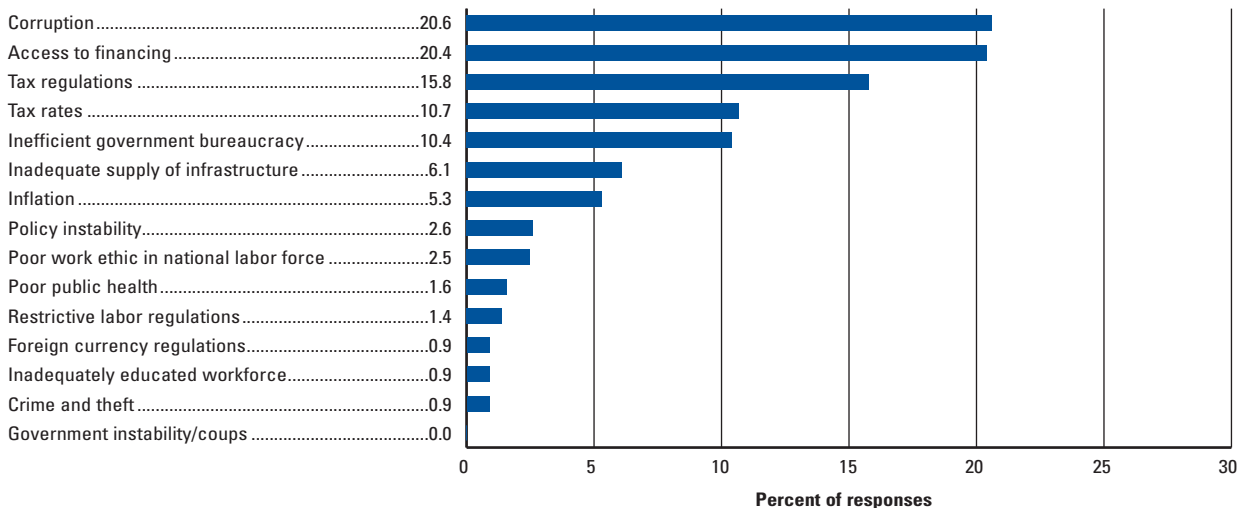
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>114</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	116	3.4
GCI 2006–2007 (out of 122) .....	109	3.4
<b>Basic requirements</b> .....	<b>109</b>	<b>3.7</b>
1st pillar: Institutions .....	116	3.2
2nd pillar: Infrastructure .....	117	2.3
3rd pillar: Macroeconomic stability .....	34	5.5
4th pillar: Health and primary education .....	125	3.7
<b>Efficiency enhancers</b> .....	<b>120</b>	<b>3.2</b>
5th pillar: Higher education and training .....	121	2.8
6th pillar: Goods market efficiency .....	108	3.8
7th pillar: Labor market efficiency .....	114	3.9
8th pillar: Financial market sophistication .....	124	3.2
9th pillar: Technological readiness .....	110	2.6
10th pillar: Market size .....	89	3.1
<b>Innovation and sophistication factors</b> .....	<b>108</b>	<b>3.1</b>
11th pillar: Business sophistication .....	108	3.4
12th pillar: Innovation .....	108	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....105	6.01	Intensity of local competition .....90
1.02	Intellectual property protection .....87	6.02	Extent of market dominance .....85
1.03	Diversion of public funds .....133	6.03	Effectiveness of anti-monopoly policy .....78
1.04	Public trust of politicians .....103	6.04	Extent and effect of taxation .....116
1.05	Judicial independence .....126	6.05	Total tax rate* .....97
1.06	Favoritism in decisions of government officials .....101	6.06	No. of procedures required to start a business* .....108
1.07	Wastefulness of government spending .....110	6.07	Time required to start a business* .....87
1.08	Burden of government regulation .....122	6.08	Agricultural policy costs .....44
1.09	Efficiency of legal framework .....112	6.09	Prevalence of trade barriers .....92
1.10	Transparency of government policymaking .....53	6.10	Trade-weighted tariff rate* .....121
1.11	Business costs of terrorism .....63	6.11	Prevalence of foreign ownership .....59
1.12	Business costs of crime and violence .....98	6.12	Business impact of rules on FDI .....104
1.13	Organized crime .....90	6.13	Burden of customs procedures .....111
1.14	Reliability of police services .....68	6.14	Degree of customer orientation .....98
1.15	Ethical behavior of firms .....125	6.15	Buyer sophistication .....113
1.16	Strength of auditing and reporting standards .....120	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....105	7.01	Cooperation in labor-employer relations .....108
1.18	Protection of minority shareholders' interests .....84	7.02	Flexibility of wage determination .....94
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....65
2.01	Quality of overall infrastructure .....111	7.04	Rigidity of employment* .....93
2.02	Quality of roads .....113	7.05	Hiring and firing practices .....56
2.03	Quality of railroad infrastructure .....71	7.06	Firing costs* .....59
2.04	Quality of port infrastructure .....114	7.07	Pay and productivity .....115
2.05	Quality of air transport infrastructure .....125	7.08	Reliance on professional management .....120
2.06	Available seat kilometers* .....100	7.09	Brain drain .....103
2.07	Quality of electricity supply .....111	7.10	Female participation in labor force* .....91
2.08	Telephone lines* .....123	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....134
3.01	Government surplus/deficit* .....21	8.02	Financing through local equity market .....119
3.02	National savings rate* .....88	8.03	Ease of access to loans .....126
3.03	Inflation* .....9	8.04	Venture capital availability .....123
3.04	Interest rate spread* .....114	8.05	Restriction on capital flows .....106
3.05	Government debt* .....19	8.06	Strength of investor protection* .....86
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....82
4.01	Business impact of malaria .....117	8.08	Regulation of securities exchanges .....126
4.02	Malaria incidence* .....118	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....110	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....104	9.01	Availability of latest technologies .....86
4.05	Business impact of HIV/AIDS .....114	9.02	Firm-level technology absorption .....78
4.06	HIV prevalence* .....123	9.03	Laws relating to ICT .....128
4.07	Infant mortality* .....121	9.04	FDI and technology transfer .....75
4.08	Life expectancy* .....121	9.05	Mobile telephone subscribers* .....113
4.09	Quality of primary education .....87	9.06	Internet users* .....118
4.10	Primary enrollment* .....n/a	9.07	Personal computers* .....113
4.11	Education expenditure* .....123	9.08	Broadband Internet subscribers* .....121
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....128	10.01	Domestic market size* .....81
5.02	Tertiary enrollment* .....108	10.02	Foreign market size* .....97
5.03	Quality of the educational system .....85	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....86	11.01	Local supplier quantity .....56
5.05	Quality of management schools .....78	11.02	Local supplier quality .....106
5.06	Internet access in schools .....121	11.03	State of cluster development .....124
5.07	Local availability of research and training services .....94	11.04	Nature of competitive advantage .....128
5.08	Extent of staff training .....104	11.05	Value chain breadth .....116
		11.06	Control of international distribution .....99
		11.07	Production process sophistication .....115
		11.08	Extent of marketing .....91
		11.09	Willingness to delegate authority .....129
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....110
		12.02	Quality of scientific research institutions .....116
		12.03	Company spending on R&D .....104
		12.04	University-industry research collaboration .....119
		12.05	Gov't procurement of advanced tech products .....99
		12.06	Availability of scientists and engineers .....87
		12.07	Utility patents* .....79

\* Hard data

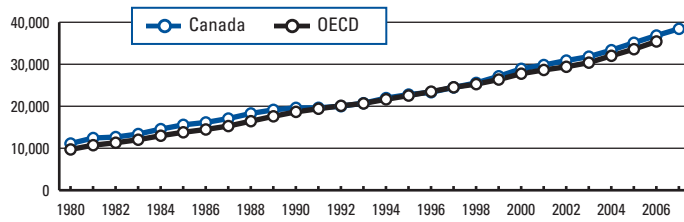
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Canada

## Key indicators

Total population (millions), 2007 .....	32.9
GDP (US\$ billions), 2007 .....	1,432.1
GDP per capita (US\$), 2007 .....	43,484.9
GDP (PPP) as share (%) of world total, 2007 .....	1.96

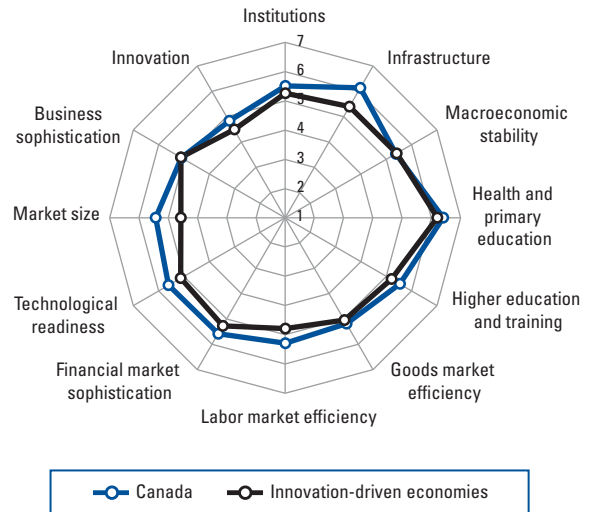
GDP (PPP US\$) per capita, 1980–2007



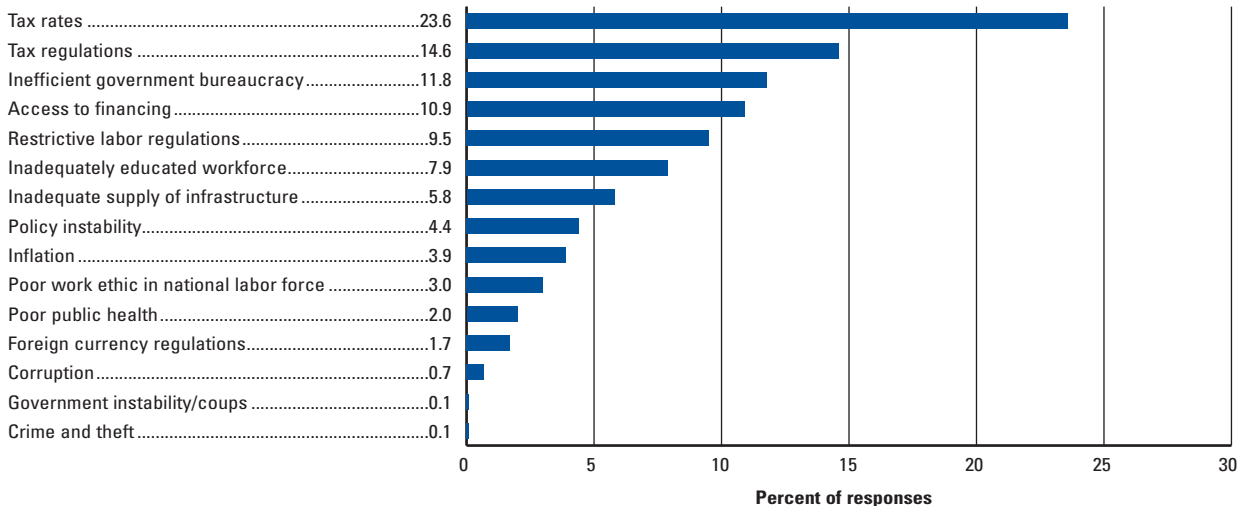
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>10</b>	<b>5.4</b>
GCI 2007–2008 (out of 131) .....	13	5.3
GCI 2006–2007 (out of 122) .....	12	5.4
<b>Basic requirements</b> .....	<b>8</b>	<b>5.8</b>
1st pillar: Institutions .....	15	5.5
2nd pillar: Infrastructure .....	6	6.1
3rd pillar: Macroeconomic stability .....	43	5.4
4th pillar: Health and primary education .....	6	6.4
<b>Efficiency enhancers</b> .....	<b>5</b>	<b>5.4</b>
5th pillar: Higher education and training .....	9	5.5
6th pillar: Goods market efficiency .....	16	5.2
7th pillar: Labor market efficiency .....	7	5.3
8th pillar: Financial market sophistication .....	10	5.6
9th pillar: Technological readiness .....	9	5.6
10th pillar: Market size .....	14	5.4
<b>Innovation and sophistication factors</b> .....	<b>16</b>	<b>5.0</b>
11th pillar: Business sophistication .....	18	5.1
12th pillar: Innovation .....	13	4.8

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	8	6.01 Intensity of local competition	23
1.02 Intellectual property protection	19	6.02 Extent of market dominance	18
1.03 Diversion of public funds	18	6.03 Effectiveness of anti-monopoly policy	16
1.04 Public trust of politicians	24	6.04 Extent and effect of taxation	88
1.05 Judicial independence	9	6.05 Total tax rate*	72
1.06 Favoritism in decisions of government officials	24	6.06 No. of procedures required to start a business*	1
1.07 Wastefulness of government spending	32	6.07 Time required to start a business*	2
1.08 Burden of government regulation	40	6.08 Agricultural policy costs	45
1.09 Efficiency of legal framework	14	6.09 Prevalence of trade barriers	38
1.10 Transparency of government policymaking	16	6.10 Trade-weighted tariff rate*	36
1.11 Business costs of terrorism	73	6.11 Prevalence of foreign ownership	34
1.12 Business costs of crime and violence	41	6.12 Business impact of rules on FDI	45
1.13 Organized crime	38	6.13 Burden of customs procedures	25
1.14 Reliability of police services	9	6.14 Degree of customer orientation	15
1.15 Ethical behavior of firms	12	6.15 Buyer sophistication	14
1.16 Strength of auditing and reporting standards	10		
1.17 Efficacy of corporate boards	11	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	9	7.01 Cooperation in labor-employer relations	34
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	24
2.01 Quality of overall infrastructure	10	7.03 Non-wage labor costs*	46
2.02 Quality of roads	10	7.04 Rigidity of employment*	6
2.03 Quality of railroad infrastructure	15	7.05 Hiring and firing practices	30
2.04 Quality of port infrastructure	14	7.06 Firing costs*	50
2.05 Quality of air transport infrastructure	17	7.07 Pay and productivity	31
2.06 Available seat kilometers*	9	7.08 Reliance on professional management	11
2.07 Quality of electricity supply	15	7.09 Brain drain	20
2.08 Telephone lines*	3	7.10 Female participation in labor force*	22
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	44	8.01 Financial market sophistication	6
3.02 National savings rate*	61	8.02 Financing through local equity market	26
3.03 Inflation*	26	8.03 Ease of access to loans	25
3.04 Interest rate spread*	46	8.04 Venture capital availability	19
3.05 Government debt*	107	8.05 Restriction on capital flows	31
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	5
4.01 Business impact of malaria	14	8.07 Soundness of banks	1
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	23
4.03 Business impact of tuberculosis	21	8.09 Legal rights index*	16
4.04 Tuberculosis incidence*	3	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	38	9.01 Availability of latest technologies	9
4.06 HIV prevalence*	74	9.02 Firm-level technology absorption	18
4.07 Infant mortality*	26	9.03 Laws relating to ICT	14
4.08 Life expectancy*	5	9.04 FDI and technology transfer	7
4.09 Quality of primary education	6	9.05 Mobile telephone subscribers*	75
4.10 Primary enrollment*	6	9.06 Internet users*	6
4.11 Education expenditure*	35	9.07 Personal computers*	1
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	10
5.01 Secondary enrollment*	6	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	24	10.01 Domestic market size*	13
5.03 Quality of the educational system	8	10.02 Foreign market size*	15
5.04 Quality of math and science education	13	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	4	11.01 Local supplier quantity	17
5.06 Internet access in schools	13	11.02 Local supplier quality	12
5.07 Local availability of research and training services	10	11.03 State of cluster development	16
5.08 Extent of staff training	19	11.04 Nature of competitive advantage	40
		11.05 Value chain breadth	48
		11.06 Control of international distribution	20
		11.07 Production process sophistication	22
		11.08 Extent of marketing	9
		11.09 Willingness to delegate authority	12
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	18
		12.02 Quality of scientific research institutions	4
		12.03 Company spending on R&D	22
		12.04 University-industry research collaboration	14
		12.05 Gov't procurement of advanced tech products	29
		12.06 Availability of scientists and engineers	7
		12.07 Utility patents*	10

\* Hard data

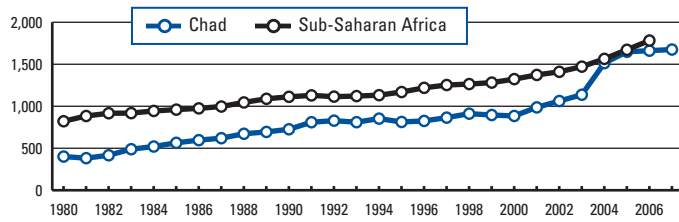
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Chad

## Key indicators

Total population (millions), 2007 .....	10.3
GDP (US\$ billions), 2007 .....	7.1
GDP per capita (US\$), 2007 .....	747.4
GDP (PPP) as share (%) of world total, 2007 .....	0.03

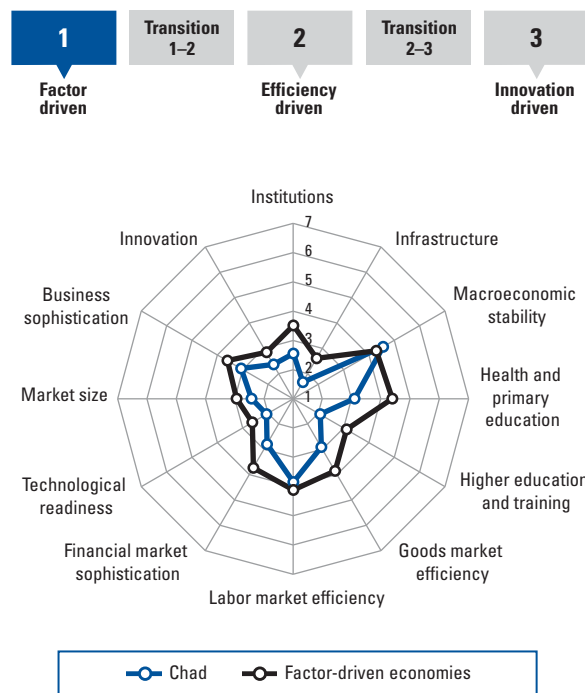
GDP (PPP US\$) per capita, 1980–2007



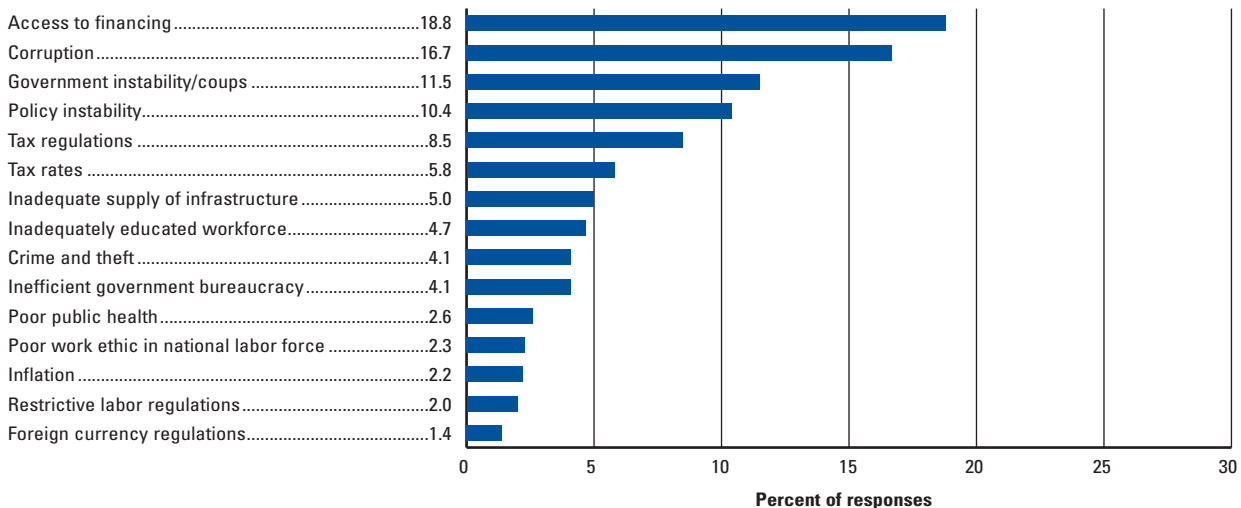
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>134</b>	<b>2.8</b>
GCI 2007–2008 (out of 131) .....	131	2.8
GCI 2006–2007 (out of 122) .....	121	2.8
<b>Basic requirements</b> .....	<b>133</b>	<b>3.0</b>
1st pillar: Institutions .....	133	2.5
2nd pillar: Infrastructure .....	134	1.7
3rd pillar: Macroeconomic stability .....	97	4.5
4th pillar: Health and primary education .....	134	3.1
<b>Efficiency enhancers</b> .....	<b>134</b>	<b>2.7</b>
5th pillar: Higher education and training .....	134	2.1
6th pillar: Goods market efficiency .....	134	2.9
7th pillar: Labor market efficiency .....	119	3.8
8th pillar: Financial market sophistication .....	133	2.8
9th pillar: Technological readiness .....	134	2.1
10th pillar: Market size .....	113	2.4
<b>Innovation and sophistication factors</b> .....	<b>131</b>	<b>2.7</b>
11th pillar: Business sophistication .....	129	3.1
12th pillar: Innovation .....	130	2.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....130	6.01	Intensity of local competition .....133
1.02	Intellectual property protection .....129	6.02	Extent of market dominance .....120
1.03	Diversion of public funds .....134	6.03	Effectiveness of anti-monopoly policy .....127
1.04	Public trust of politicians .....118	6.04	Extent and effect of taxation .....118
1.05	Judicial independence .....130	6.05	Total tax rate* .....112
1.06	Favoritism in decisions of government officials .....127	6.06	No. of procedures required to start a business* .....128
1.07	Wastefulness of government spending .....130	6.07	Time required to start a business* .....117
1.08	Burden of government regulation .....101	6.08	Agricultural policy costs .....85
1.09	Efficiency of legal framework .....125	6.09	Prevalence of trade barriers .....128
1.10	Transparency of government policymaking .....116	6.10	Trade-weighted tariff rate* .....124
1.11	Business costs of terrorism .....122	6.11	Prevalence of foreign ownership .....119
1.12	Business costs of crime and violence .....120	6.12	Business impact of rules on FDI .....125
1.13	Organized crime .....131	6.13	Burden of customs procedures .....134
1.14	Reliability of police services .....127	6.14	Degree of customer orientation .....134
1.15	Ethical behavior of firms .....133	6.15	Buyer sophistication .....134
1.16	Strength of auditing and reporting standards .....133	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....134	7.01	Cooperation in labor-employer relations .....130
1.18	Protection of minority shareholders' interests .....121	7.02	Flexibility of wage determination .....46
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....89
2.01	Quality of overall infrastructure .....134	7.04	Rigidity of employment* .....93
2.02	Quality of roads .....132	7.05	Hiring and firing practices .....89
2.03	Quality of railroad infrastructure .....n/a	7.06	Firing costs* .....65
2.04	Quality of port infrastructure .....117	7.07	Pay and productivity .....130
2.05	Quality of air transport infrastructure .....129	7.08	Reliance on professional management .....134
2.06	Available seat kilometers* .....126	7.09	Brain drain .....117
2.07	Quality of electricity supply .....134	7.10	Female participation in labor force* .....35
2.08	Telephone lines* .....133	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....132
3.01	Government surplus/deficit* .....47	8.02	Financing through local equity market .....133
3.02	National savings rate* .....123	8.03	Ease of access to loans .....129
3.03	Inflation* .....1	8.04	Venture capital availability .....133
3.04	Interest rate spread* .....114	8.05	Restriction on capital flows .....130
3.05	Government debt* .....38	8.06	Strength of investor protection* .....98
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....127
4.01	Business impact of malaria .....131	8.08	Regulation of securities exchanges .....133
4.02	Malaria incidence* .....117	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....128	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....116	9.01	Availability of latest technologies .....133
4.05	Business impact of HIV/AIDS .....126	9.02	Firm-level technology absorption .....129
4.06	HIV prevalence* .....121	9.03	Laws relating to ICT .....123
4.07	Infant mortality* .....134	9.04	FDI and technology transfer .....131
4.08	Life expectancy* .....130	9.05	Mobile telephone subscribers* .....129
4.09	Quality of primary education .....130	9.06	Internet users* .....127
4.10	Primary enrollment* .....128	9.07	Personal computers* .....131
4.11	Education expenditure* .....125	9.08	Broadband Internet subscribers* .....126
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....131	10.01	Domestic market size* .....121
5.02	Tertiary enrollment* .....132	10.02	Foreign market size* .....99
5.03	Quality of the educational system .....128	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....126	11.01	Local supplier quantity .....85
5.05	Quality of management schools .....132	11.02	Local supplier quality .....132
5.06	Internet access in schools .....132	11.03	State of cluster development .....132
5.07	Local availability of research and training services .....127	11.04	Nature of competitive advantage .....80
5.08	Extent of staff training .....134	11.05	Value chain breadth .....84
		11.06	Control of international distribution .....117
		11.07	Production process sophistication .....133
		11.08	Extent of marketing .....133
		11.09	Willingness to delegate authority .....134
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....108
		12.02	Quality of scientific research institutions .....126
		12.03	Company spending on R&D .....129
		12.04	University-industry research collaboration .....132
		12.05	Gov't procurement of advanced tech products .....101
		12.06	Availability of scientists and engineers .....129
		12.07	Utility patents* .....88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

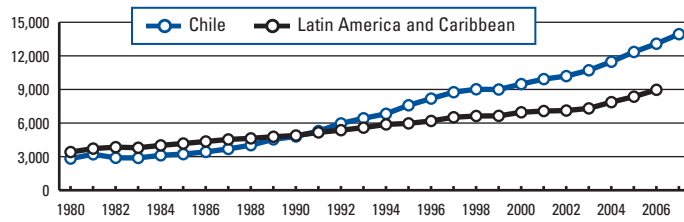


# Chile

## Key indicators

Total population (millions), 2007 .....	16.6
GDP (US\$ billions), 2007 .....	163.8
GDP per capita (US\$), 2007 .....	9,879.1
GDP (PPP) as share (%) of world total, 2007 .....	0.36

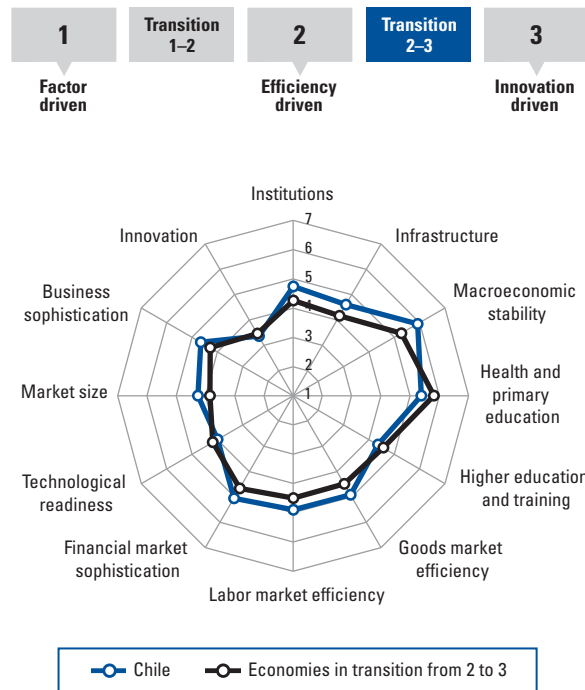
GDP (PPP US\$) per capita, 1980–2007



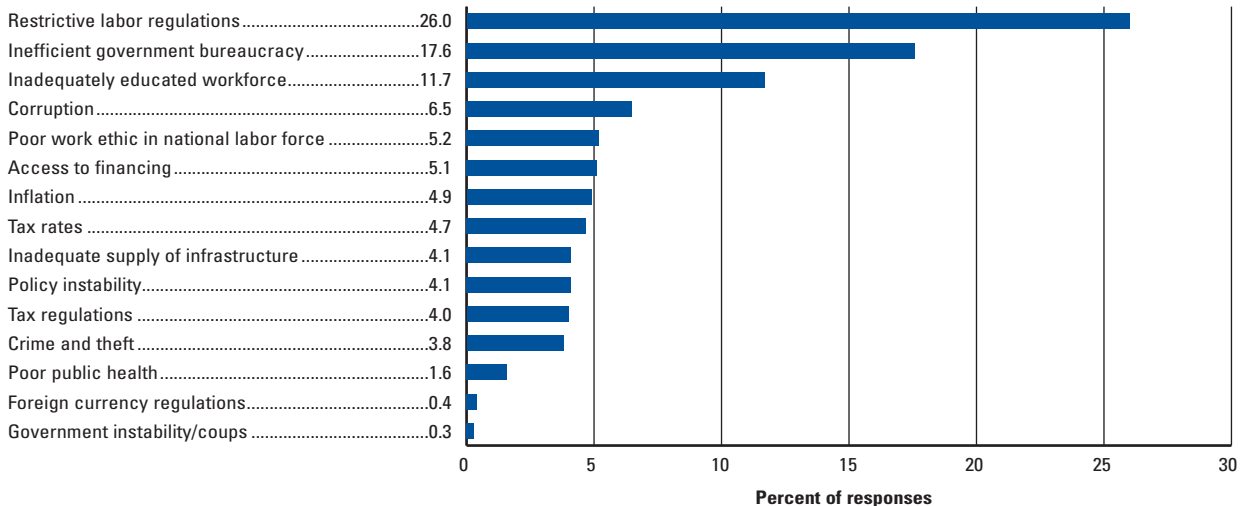
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>28</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	26	4.8
GCI 2006–2007 (out of 122) .....	27	4.8
<b>Basic requirements</b> .....	<b>36</b>	<b>5.1</b>
1st pillar: Institutions .....	37	4.7
2nd pillar: Infrastructure .....	30	4.6
3rd pillar: Macroeconomic stability .....	14	5.9
4th pillar: Health and primary education .....	73	5.4
<b>Efficiency enhancers</b> .....	<b>30</b>	<b>4.6</b>
5th pillar: Higher education and training .....	50	4.3
6th pillar: Goods market efficiency .....	26	4.9
7th pillar: Labor market efficiency .....	17	4.9
8th pillar: Financial market sophistication .....	29	5.1
9th pillar: Technological readiness .....	42	4.0
10th pillar: Market size .....	47	4.3
<b>Innovation and sophistication factors</b> .....	<b>44</b>	<b>4.0</b>
11th pillar: Business sophistication .....	31	4.7
12th pillar: Innovation .....	56	3.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....40	6.01	Intensity of local competition .....19
1.02	Intellectual property protection .....63	6.02	Extent of market dominance .....57
1.03	Diversion of public funds .....52	6.03	Effectiveness of anti-monopoly policy .....25
1.04	Public trust of politicians .....42	6.04	Extent and effect of taxation .....45
1.05	Judicial independence .....52	6.05	Total tax rate* .....12
1.06	Favoritism in decisions of government officials .....41	6.06	No. of procedures required to start a business* .....58
1.07	Wastefulness of government spending .....49	6.07	Time required to a business* .....61
1.08	Burden of government regulation .....34	6.08	Agricultural policy costs .....3
1.09	Efficiency of legal framework .....30	6.09	Prevalence of trade barriers .....5
1.10	Transparency of government policymaking .....26	6.10	Trade-weighted tariff rate* .....57
1.11	Business costs of terrorism .....27	6.11	Prevalence of foreign ownership .....11
1.12	Business costs of crime and violence .....84	6.12	Business impact of rules on FDI .....19
1.13	Organized crime .....32	6.13	Burden of customs procedures .....7
1.14	Reliability of police services .....16	6.14	Degree of customer orientation .....47
1.15	Ethical behavior of firms .....23	6.15	Buyer sophistication .....29
1.16	Strength of auditing and reporting standards .....32	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....7	7.01	Cooperation in labor-employer relations .....51
1.18	Protection of minority shareholders' interests .....32	7.02	Flexibility of wage determination .....6
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....12
2.01	Quality of overall infrastructure .....29	7.04	Rigidity of employment* .....32
2.02	Quality of roads .....22	7.05	Hiring and firing practices .....74
2.03	Quality of railroad infrastructure .....73	7.06	Firing costs* .....81
2.04	Quality of port infrastructure .....37	7.07	Pay and productivity .....21
2.05	Quality of air transport infrastructure .....24	7.08	Reliance on professional management .....18
2.06	Available seat kilometers* .....39	7.09	Brain drain .....6
2.07	Quality of electricity supply .....49	7.10	Female participation in labor force* .....111
2.08	Telephone lines* .....63	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....26
3.01	Government surplus/deficit* .....10	8.02	Financing through local equity market .....10
3.02	National savings rate* .....51	8.03	Ease of access to loans .....28
3.03	Inflation* .....60	8.04	Venture capital availability .....37
3.04	Interest rate spread* .....23	8.05	Restriction on capital flows .....36
3.05	Government debt* .....7	8.06	Strength of investor protection* .....26
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....18
4.01	Business impact of malaria .....26	8.08	Regulation of securities exchanges .....14
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....72
4.03	Business impact of tuberculosis .....22	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....31	9.01	Availability of latest technologies .....42
4.05	Business impact of HIV/AIDS .....43	9.02	Firm-level technology absorption .....33
4.06	HIV prevalence* .....68	9.03	Laws relating to ICT .....26
4.07	Infant mortality* .....39	9.04	FDI and technology transfer .....31
4.08	Life expectancy* .....29	9.05	Mobile telephone subscribers* .....55
4.09	Quality of primary education .....110	9.06	Internet users* .....51
4.10	Primary enrollment* .....99	9.07	Personal computers* .....53
4.11	Education expenditure* .....84	9.08	Broadband Internet subscribers* .....38
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....54	10.01	Domestic market size* .....47
5.02	Tertiary enrollment* .....41	10.02	Foreign market size* .....43
5.03	Quality of the educational system .....86	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....107	11.01	Local supplier quantity .....20
5.05	Quality of management schools .....19	11.02	Local supplier quality .....28
5.06	Internet access in schools .....41	11.03	State of cluster development .....53
5.07	Local availability of research and training services .....46	11.04	Nature of competitive advantage .....69
5.08	Extent of staff training .....48	11.05	Value chain breadth .....55
		11.06	Control of international distribution .....24
		11.07	Production process sophistication .....36
		11.08	Extent of marketing .....18
		11.09	Willingness to delegate authority .....36
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....57
		12.02	Quality of scientific research institutions .....62
		12.03	Company spending on R&D .....64
		12.04	University-industry research collaboration .....51
		12.05	Gov't procurement of advanced tech products .....53
		12.06	Availability of scientists and engineers .....35
		12.07	Utility patents* .....40

\* Hard data

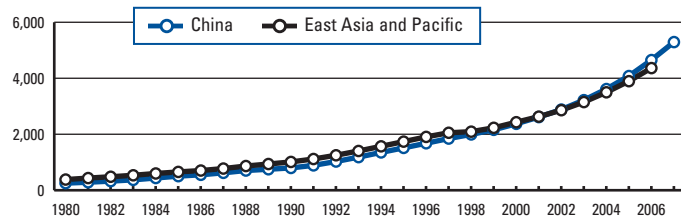
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# China

## Key indicators

Total population (millions), 2007 .....	1,331.4
GDP (US\$ billions), 2007 .....	3,250.8
GDP per capita (US\$), 2007 .....	2,460.8
GDP (PPP) as share (%) of world total, 2007 .....	10.83

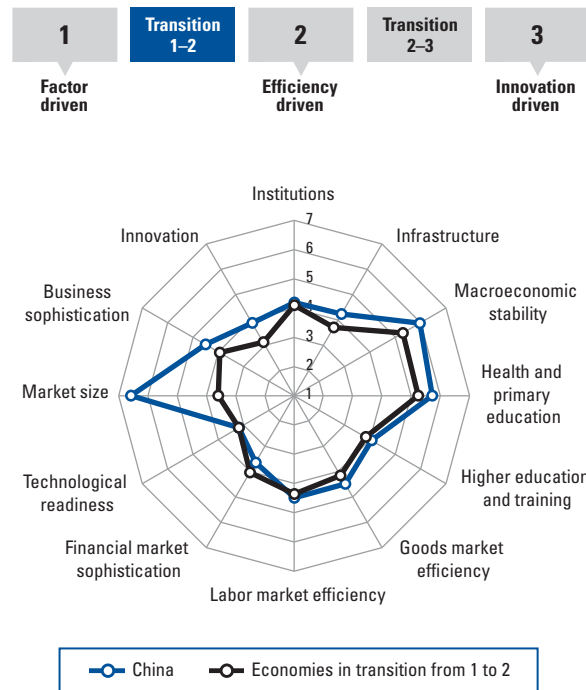
GDP (PPP US\$) per capita, 1980–2007



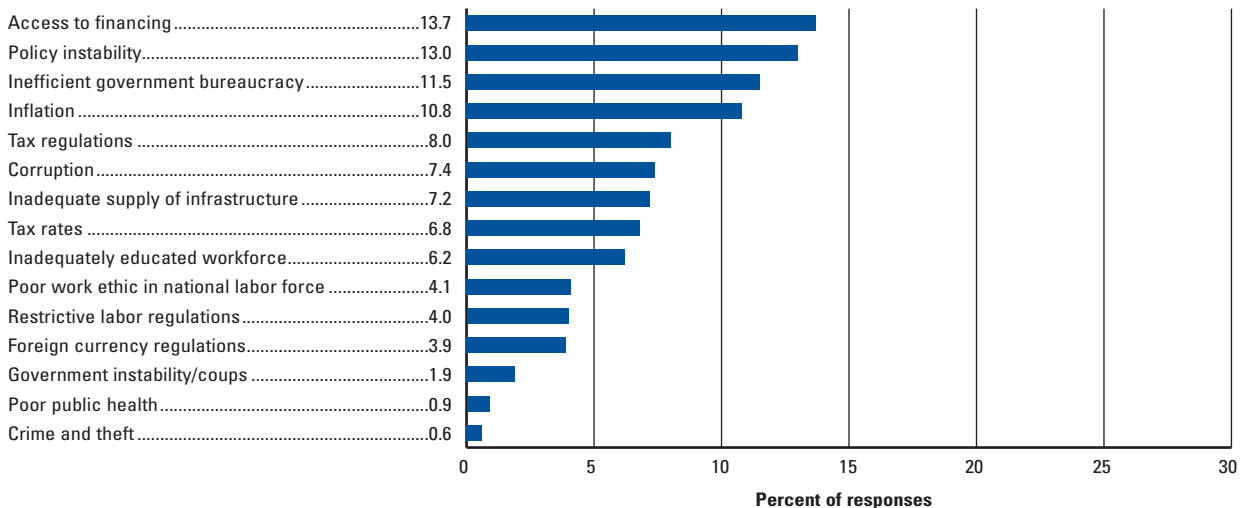
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>30</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	34	4.6
GCI 2006–2007 (out of 122) .....	34	4.6
<b>Basic requirements</b> .....	<b>42</b>	<b>5.0</b>
1st pillar: Institutions .....	56	4.2
2nd pillar: Infrastructure .....	47	4.2
3rd pillar: Macroeconomic stability .....	11	5.9
4th pillar: Health and primary education .....	50	5.7
<b>Efficiency enhancers</b> .....	<b>40</b>	<b>4.4</b>
5th pillar: Higher education and training .....	64	4.1
6th pillar: Goods market efficiency .....	51	4.5
7th pillar: Labor market efficiency .....	51	4.5
8th pillar: Financial market sophistication .....	109	3.6
9th pillar: Technological readiness .....	77	3.2
10th pillar: Market size .....	2	6.6
<b>Innovation and sophistication factors</b> .....	<b>32</b>	<b>4.2</b>
11th pillar: Business sophistication .....	43	4.5
12th pillar: Innovation .....	28	3.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....54	6.01	Intensity of local competition .....27
1.02	Intellectual property protection .....53	6.02	Extent of market dominance .....39
1.03	Diversion of public funds .....66	6.03	Effectiveness of anti-monopoly policy .....55
1.04	Public trust of politicians .....36	6.04	Extent and effect of taxation .....36
1.05	Judicial independence .....69	6.05	Total tax rate* .....120
1.06	Favoritism in decisions of government officials .....47	6.06	No. of procedures required to start a business* .....108
1.07	Wastefulness of government spending .....36	6.07	Time required to start a business* .....83
1.08	Burden of government regulation .....23	6.08	Agricultural policy costs .....6
1.09	Efficiency of legal framework .....54	6.09	Prevalence of trade barriers .....72
1.10	Transparency of government policymaking .....46	6.10	Trade-weighted tariff rate* .....122
1.11	Business costs of terrorism .....89	6.11	Prevalence of foreign ownership .....105
1.12	Business costs of crime and violence .....56	6.12	Business impact of rules on FDI .....55
1.13	Organized crime .....84	6.13	Burden of customs procedures .....42
1.14	Reliability of police services .....50	6.14	Degree of customer orientation .....73
1.15	Ethical behavior of firms .....60	6.15	Buyer sophistication .....21
1.16	Strength of auditing and reporting standards .....86	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....90	7.01	Cooperation in labor-employer relations .....65
1.18	Protection of minority shareholders' interests .....94	7.02	Flexibility of wage determination .....52
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....126
2.01	Quality of overall infrastructure .....58	7.04	Rigidity of employment* .....32
2.02	Quality of roads .....51	7.05	Hiring and firing practices .....53
2.03	Quality of railroad infrastructure .....28	7.06	Firing costs* .....108
2.04	Quality of port infrastructure .....54	7.07	Pay and productivity .....9
2.05	Quality of air transport infrastructure .....74	7.08	Reliance on professional management .....46
2.06	Available seat kilometers* .....2	7.09	Brain drain .....36
2.07	Quality of electricity supply .....68	7.10	Female participation in labor force* .....32
2.08	Telephone lines* .....47	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....83
3.01	Government surplus/deficit* .....49	8.02	Financing through local equity market .....80
3.02	National savings rate* .....5	8.03	Ease of access to loans .....99
3.03	Inflation* .....62	8.04	Venture capital availability .....49
3.04	Interest rate spread* .....33	8.05	Restriction on capital flows .....121
3.05	Government debt* .....22	8.06	Strength of investor protection* .....67
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....108
4.01	Business impact of malaria .....77	8.08	Regulation of securities exchanges .....109
4.02	Malaria incidence* .....71	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....73	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....87	9.01	Availability of latest technologies .....83
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4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....47
4.07	Infant mortality* .....80	9.04	FDI and technology transfer .....79
4.08	Life expectancy* .....55	9.05	Mobile telephone subscribers* .....90
4.09	Quality of primary education .....34	9.06	Internet users* .....85
4.10	Primary enrollment* .....5	9.07	Personal computers* .....81
4.11	Education expenditure* .....120	9.08	Broadband Internet subscribers* .....49
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....92	10.01	Domestic market size* .....2
5.02	Tertiary enrollment* .....81	10.02	Foreign market size* .....1
5.03	Quality of the educational system .....55	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....38	11.01	Local supplier quantity .....18
5.05	Quality of management schools .....74	11.02	Local supplier quality .....62
5.06	Internet access in schools .....33	11.03	State of cluster development .....19
5.07	Local availability of research and training services .....39	11.04	Nature of competitive advantage .....71
5.08	Extent of staff training .....42	11.05	Value chain breadth .....56
		11.06	Control of international distribution .....47
		11.07	Production process sophistication .....59
		11.08	Extent of marketing .....62
		11.09	Willingness to delegate authority .....58
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....25
		12.02	Quality of scientific research institutions .....37
		12.03	Company spending on R&D .....24
		12.04	University-industry research collaboration .....23
		12.05	Gov't procurement of advanced tech products .....20
		12.06	Availability of scientists and engineers .....52
		12.07	Utility patents* .....54

\* Hard data

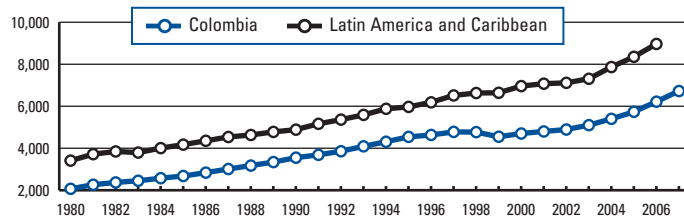
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Colombia

## Key indicators

Total population (millions), 2007 .....	47.0
GDP (US\$ billions), 2007 .....	171.6
GDP per capita (US\$), 2007 .....	3,611.5
GDP (PPP) as share (%) of world total, 2007 .....	0.49

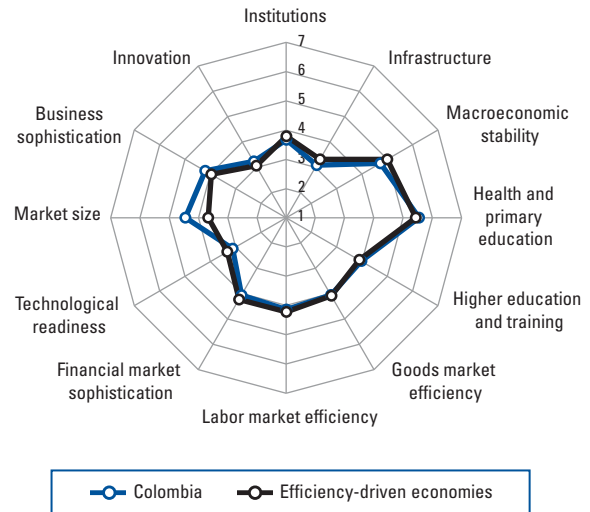
GDP (PPP US\$) per capita, 1980–2007



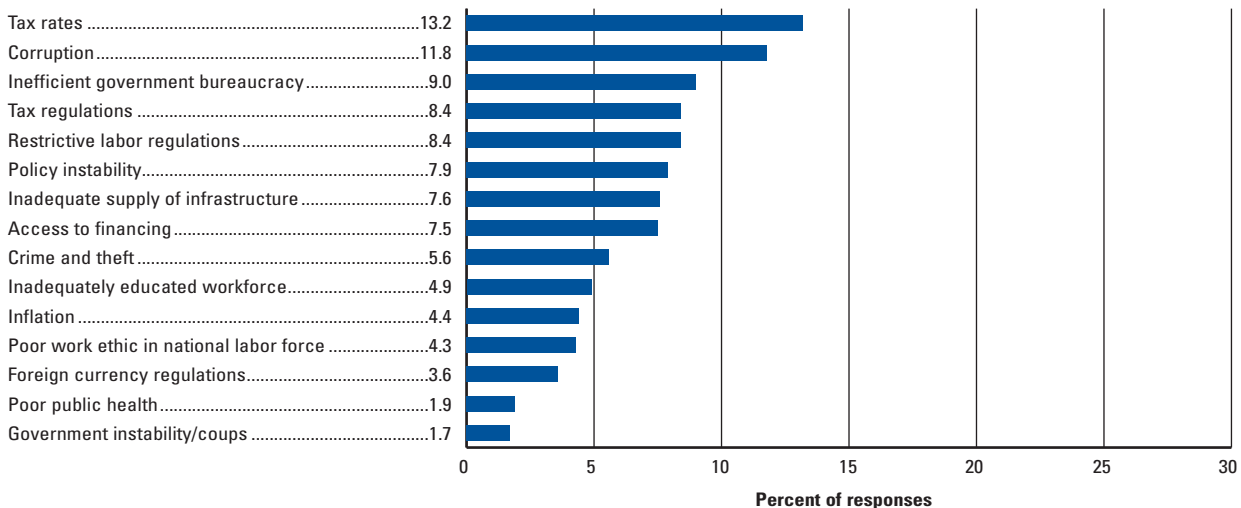
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>74</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	69	4.0
GCI 2006–2007 (out of 122) .....	63	4.1
<b>Basic requirements</b> .....	<b>77</b>	<b>4.2</b>
1st pillar: Institutions .....	87	3.7
2nd pillar: Infrastructure .....	80	3.1
3rd pillar: Macroeconomic stability .....	88	4.7
4th pillar: Health and primary education .....	67	5.5
<b>Efficiency enhancers</b> .....	<b>70</b>	<b>4.0</b>
5th pillar: Higher education and training .....	68	4.0
6th pillar: Goods market efficiency .....	82	4.0
7th pillar: Labor market efficiency .....	92	4.1
8th pillar: Financial market sophistication .....	81	4.1
9th pillar: Technological readiness .....	80	3.1
10th pillar: Market size .....	37	4.4
<b>Innovation and sophistication factors</b> .....	<b>60</b>	<b>3.7</b>
11th pillar: Business sophistication .....	64	4.2
12th pillar: Innovation .....	61	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	73 .....	6.01 Intensity of local competition .....	70 .....
1.02 Intellectual property protection .....	74 .....	6.02 Extent of market dominance .....	92 .....
1.03 Diversion of public funds .....	87 .....	6.03 Effectiveness of anti-monopoly policy .....	57 .....
1.04 Public trust of politicians .....	80 .....	6.04 Extent and effect of taxation .....	104 .....
1.05 Judicial independence .....	63 .....	6.05 Total tax rate* .....	124 .....
1.06 Favoritism in decisions of government officials .....	95 .....	6.06 No. of procedures required to start a business* .....	91 .....
1.07 Wastefulness of government spending .....	79 .....	6.07 Time required to start a business* .....	94 .....
1.08 Burden of government regulation .....	96 .....	6.08 Agricultural policy costs .....	67 .....
1.09 Efficiency of legal framework .....	60 .....	6.09 Prevalence of trade barriers .....	111 .....
1.10 Transparency of government policymaking .....	48 .....	6.10 Trade-weighted tariff rate* .....	102 .....
1.11 Business costs of terrorism .....	134 .....	6.11 Prevalence of foreign ownership .....	86 .....
1.12 Business costs of crime and violence .....	118 .....	6.12 Business impact of rules on FDI .....	80 .....
1.13 Organized crime .....	129 .....	6.13 Burden of customs procedures .....	82 .....
1.14 Reliability of police services .....	77 .....	6.14 Degree of customer orientation .....	39 .....
1.15 Ethical behavior of firms .....	68 .....	6.15 Buyer sophistication .....	62 .....
1.16 Strength of auditing and reporting standards .....	83 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	77 .....	7.01 Cooperation in labor-employer relations .....	53 .....
1.18 Protection of minority shareholders' interests .....	64 .....	7.02 Flexibility of wage determination .....	71 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	110 .....
2.01 Quality of overall infrastructure .....	84 .....	7.04 Rigidity of employment* .....	40 .....
2.02 Quality of roads .....	91 .....	7.05 Hiring and firing practices .....	73 .....
2.03 Quality of railroad infrastructure .....	100 .....	7.06 Firing costs* .....	89 .....
2.04 Quality of port infrastructure .....	108 .....	7.07 Pay and productivity .....	104 .....
2.05 Quality of air transport infrastructure .....	64 .....	7.08 Reliance on professional management .....	72 .....
2.06 Available seat kilometers* .....	46 .....	7.09 Brain drain .....	70 .....
2.07 Quality of electricity supply .....	56 .....	7.10 Female participation in labor force* .....	59 .....
2.08 Telephone lines* .....	70 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	69 .....
3.01 Government surplus/deficit* .....	69 .....	8.02 Financing through local equity market .....	78 .....
3.02 National savings rate* .....	81 .....	8.03 Ease of access to loans .....	60 .....
3.03 Inflation* .....	71 .....	8.04 Venture capital availability .....	72 .....
3.04 Interest rate spread* .....	94 .....	8.05 Restriction on capital flows .....	107 .....
3.05 Government debt* .....	92 .....	8.06 Strength of investor protection* .....	19 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	77 .....
4.01 Business impact of malaria .....	88 .....	8.08 Regulation of securities exchanges .....	51 .....
4.02 Malaria incidence* .....	106 .....	8.09 Legal rights index* .....	119 .....
4.03 Business impact of tuberculosis .....	80 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	62 .....	9.01 Availability of latest technologies .....	110 .....
4.05 Business impact of HIV/AIDS .....	93 .....	9.02 Firm-level technology absorption .....	101 .....
4.06 HIV prevalence* .....	86 .....	9.03 Laws relating to ICT .....	53 .....
4.07 Infant mortality* .....	67 .....	9.04 FDI and technology transfer .....	88 .....
4.08 Life expectancy* .....	50 .....	9.05 Mobile telephone subscribers* .....	69 .....
4.09 Quality of primary education .....	70 .....	9.06 Internet users* .....	75 .....
4.10 Primary enrollment* .....	95 .....	9.07 Personal computers* .....	82 .....
4.11 Education expenditure* .....	42 .....	9.08 Broadband Internet subscribers* .....	65 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	83 .....	10.01 Domestic market size* .....	30 .....
5.02 Tertiary enrollment* .....	68 .....	10.02 Foreign market size* .....	54 .....
5.03 Quality of the educational system .....	61 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	79 .....	11.01 Local supplier quantity .....	46 .....
5.05 Quality of management schools .....	51 .....	11.02 Local supplier quality .....	45 .....
5.06 Internet access in schools .....	78 .....	11.03 State of cluster development .....	62 .....
5.07 Local availability of research and training services .....	61 .....	11.04 Nature of competitive advantage .....	70 .....
5.08 Extent of staff training .....	91 .....	11.05 Value chain breadth .....	49 .....
		11.06 Control of international distribution .....	66 .....
		11.07 Production process sophistication .....	75 .....
		11.08 Extent of marketing .....	74 .....
		11.09 Willingness to delegate authority .....	82 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	54 .....
		12.02 Quality of scientific research institutions .....	77 .....
		12.03 Company spending on R&D .....	66 .....
		12.04 University-industry research collaboration .....	44 .....
		12.05 Gov't procurement of advanced tech products .....	46 .....
		12.06 Availability of scientists and engineers .....	88 .....
		12.07 Utility patents* .....	78 .....

\* Hard data

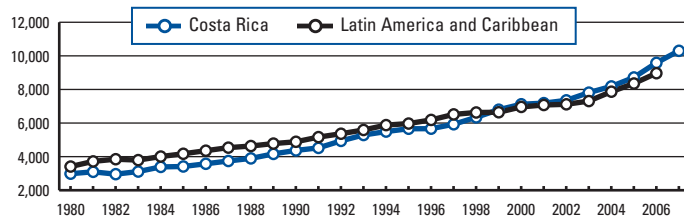
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Costa Rica

## Key indicators

Total population (millions), 2007 .....	4.5
GDP (US\$ billions), 2007 .....	26.2
GDP per capita (US\$), 2007 .....	5,905.3
GDP (PPP) as share (%) of world total, 2007 .....	0.07

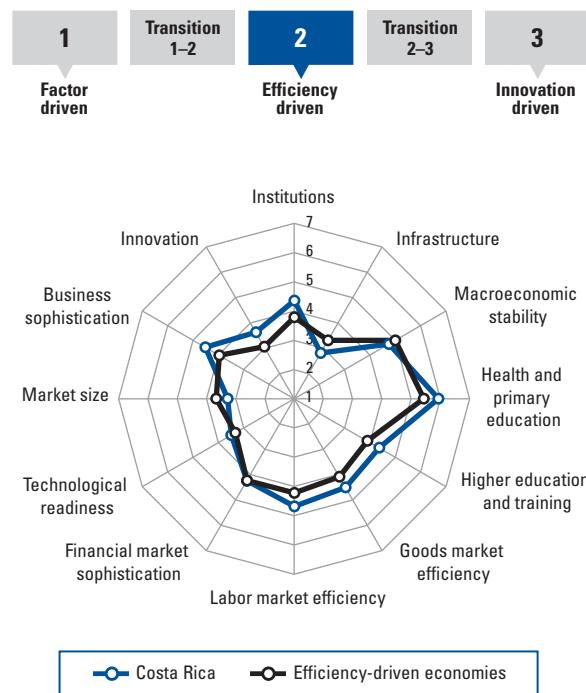
GDP (PPP US\$) per capita, 1980–2007



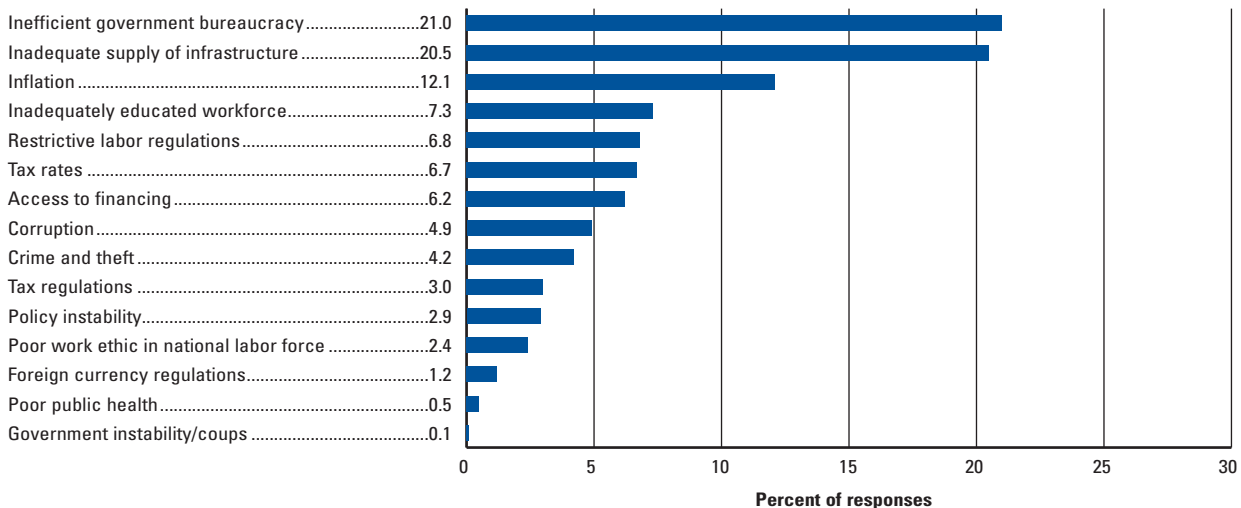
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>59</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	63	4.1
GCI 2006–2007 (out of 122) .....	68	4.1
<b>Basic requirements</b> .....	<b>63</b>	<b>4.5</b>
1st pillar: Institutions .....	50	4.4
2nd pillar: Infrastructure .....	94	2.8
3rd pillar: Macroeconomic stability .....	85	4.7
4th pillar: Health and primary education .....	37	5.9
<b>Efficiency enhancers</b> .....	<b>60</b>	<b>4.1</b>
5th pillar: Higher education and training .....	49	4.4
6th pillar: Goods market efficiency .....	49	4.5
7th pillar: Labor market efficiency .....	35	4.7
8th pillar: Financial market sophistication .....	70	4.2
9th pillar: Technological readiness .....	60	3.5
10th pillar: Market size .....	78	3.3
<b>Innovation and sophistication factors</b> .....	<b>39</b>	<b>4.1</b>
11th pillar: Business sophistication .....	42	4.5
12th pillar: Innovation .....	38	3.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	71
1.02 Intellectual property protection	66
1.03 Diversion of public funds	46
1.04 Public trust of politicians	40
1.05 Judicial independence	31
1.06 Favoritism in decisions of government officials	38
1.07 Wastefulness of government spending	41
1.08 Burden of government regulation	72
1.09 Efficiency of legal framework	45
1.10 Transparency of government policymaking	52
1.11 Business costs of terrorism	59
1.12 Business costs of crime and violence	108
1.13 Organized crime	73
1.14 Reliability of police services	84
1.15 Ethical behavior of firms	38
1.16 Strength of auditing and reporting standards	64
1.17 Efficacy of corporate boards	41
1.18 Protection of minority shareholders' interests	60
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	103
2.02 Quality of roads	118
2.03 Quality of railroad infrastructure	114
2.04 Quality of port infrastructure	128
2.05 Quality of air transport infrastructure	58
2.06 Available seat kilometers*	70
2.07 Quality of electricity supply	40
2.08 Telephone lines*	40
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	51
3.02 National savings rate*	80
3.03 Inflation*	113
3.04 Interest rate spread*	82
3.05 Government debt*	81
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	59
4.02 Malaria incidence*	82
4.03 Business impact of tuberculosis	38
4.04 Tuberculosis incidence*	29
4.05 Business impact of HIV/AIDS	58
4.06 HIV prevalence*	74
4.07 Infant mortality*	51
4.08 Life expectancy*	29
4.09 Quality of primary education	46
4.10 Primary enrollment*	11
4.11 Education expenditure*	72
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	71
5.02 Tertiary enrollment*	78
5.03 Quality of the educational system	32
5.04 Quality of math and science education	64
5.05 Quality of management schools	20
5.06 Internet access in schools	68
5.07 Local availability of research and training services	40
5.08 Extent of staff training	25

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	48
6.02 Extent of market dominance	25
6.03 Effectiveness of anti-monopoly policy	56
6.04 Extent and effect of taxation	46
6.05 Total tax rate*	106
6.06 No. of procedures required to start a business*	103
6.07 Time required to start a business*	118
6.08 Agricultural policy costs	42
6.09 Prevalence of trade barriers	93
6.10 Trade-weighted tariff rate*	37
6.11 Prevalence of foreign ownership	10
6.12 Business impact of rules on FDI	17
6.13 Burden of customs procedures	76
6.14 Degree of customer orientation	38
6.15 Buyer sophistication	35
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	8
7.02 Flexibility of wage determination	55
7.03 Non-wage labor costs*	103
7.04 Rigidity of employment*	54
7.05 Hiring and firing practices	15
7.06 Firing costs*	61
7.07 Pay and productivity	38
7.08 Reliance on professional management	41
7.09 Brain drain	15
7.10 Female participation in labor force*	105
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	74
8.02 Financing through local equity market	94
8.03 Ease of access to loans	73
8.04 Venture capital availability	76
8.05 Restriction on capital flows	51
8.06 Strength of investor protection*	118
8.07 Soundness of banks	47
8.08 Regulation of securities exchanges	42
8.09 Legal rights index*	72
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	76
9.02 Firm-level technology absorption	55
9.03 Laws relating to ICT	67
9.04 FDI and technology transfer	8
9.05 Mobile telephone subscribers*	92
9.06 Internet users*	49
9.07 Personal computers*	39
9.08 Broadband Internet subscribers*	58
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	77
10.02 Foreign market size*	75
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	40
11.02 Local supplier quality	39
11.03 State of cluster development	67
11.04 Nature of competitive advantage	30
11.05 Value chain breadth	34
11.06 Control of international distribution	71
11.07 Production process sophistication	48
11.08 Extent of marketing	48
11.09 Willingness to delegate authority	19
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	43
12.02 Quality of scientific research institutions	34
12.03 Company spending on R&D	30
12.04 University-industry research collaboration	33
12.05 Gov't procurement of advanced tech products	38
12.06 Availability of scientists and engineers	46
12.07 Utility patents*	53

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

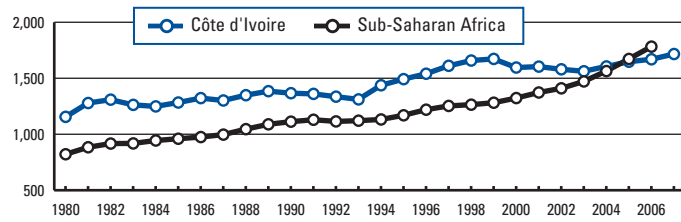


# Côte d'Ivoire

## Key indicators

Total population (millions), 2007 .....	18.8
GDP (US\$ billions), 2007 .....	19.6
GDP per capita (US\$), 2007 .....	1,045.2
GDP (PPP) as share (%) of world total, 2007 .....	0.05

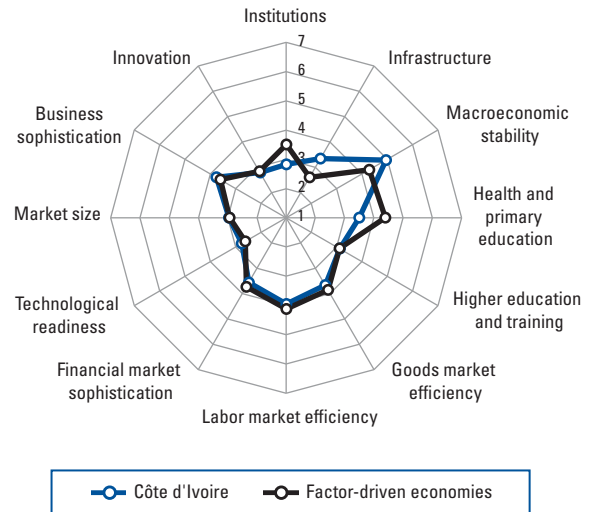
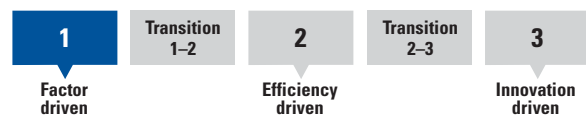
GDP (PPP US\$) per capita, 1980–2007



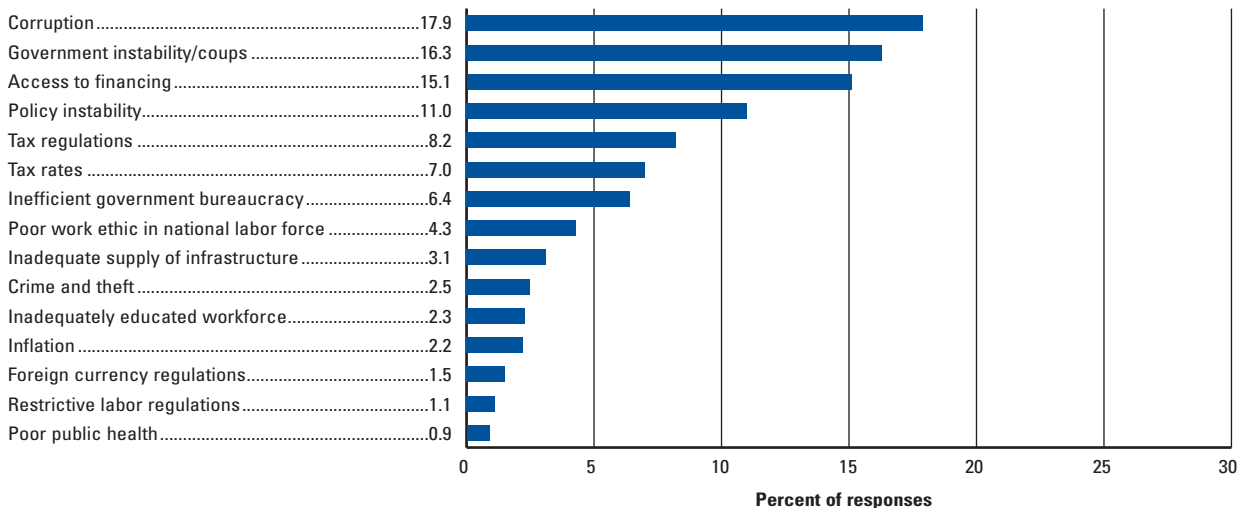
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>110</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	n/a	n/a
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>113</b>	<b>3.6</b>
1st pillar: Institutions .....	130	2.8
2nd pillar: Infrastructure .....	73	3.3
3rd pillar: Macroeconomic stability .....	69	4.9
4th pillar: Health and primary education .....	127	3.5
<b>Efficiency enhancers</b> .....	<b>109</b>	<b>3.3</b>
5th pillar: Higher education and training .....	112	3.1
6th pillar: Goods market efficiency .....	117	3.7
7th pillar: Labor market efficiency .....	111	3.9
8th pillar: Financial market sophistication .....	113	3.6
9th pillar: Technological readiness .....	99	2.8
10th pillar: Market size .....	94	3.0
<b>Innovation and sophistication factors</b> .....	<b>94</b>	<b>3.3</b>
11th pillar: Business sophistication .....	88	3.8
12th pillar: Innovation .....	105	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....113	6.01	Intensity of local competition .....83
1.02	Intellectual property protection .....131	6.02	Extent of market dominance .....129
1.03	Diversion of public funds .....130	6.03	Effectiveness of anti-monopoly policy .....116
1.04	Public trust of politicians .....129	6.04	Extent and effect of taxation .....85
1.05	Judicial independence .....132	6.05	Total tax rate* .....71
1.06	Favoritism in decisions of government officials .....118	6.06	No. of procedures required to start a business* .....75
1.07	Wastefulness of government spending .....124	6.07	Time required to start a business* .....92
1.08	Burden of government regulation .....111	6.08	Agricultural policy costs .....96
1.09	Efficiency of legal framework .....132	6.09	Prevalence of trade barriers .....89
1.10	Transparency of government policymaking .....66	6.10	Trade-weighted tariff rate* .....103
1.11	Business costs of terrorism .....111	6.11	Prevalence of foreign ownership .....21
1.12	Business costs of crime and violence .....129	6.12	Business impact of rules on FDI .....39
1.13	Organized crime .....133	6.13	Burden of customs procedures .....112
1.14	Reliability of police services .....121	6.14	Degree of customer orientation .....122
1.15	Ethical behavior of firms .....124	6.15	Buyer sophistication .....118
1.16	Strength of auditing and reporting standards .....98	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....107	7.01	Cooperation in labor-employer relations .....92
1.18	Protection of minority shareholders' interests .....72	7.02	Flexibility of wage determination .....69
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....75
2.01	Quality of overall infrastructure .....68	7.04	Rigidity of employment* .....70
2.02	Quality of roads .....58	7.05	Hiring and firing practices .....69
2.03	Quality of railroad infrastructure .....80	7.06	Firing costs* .....79
2.04	Quality of port infrastructure .....40	7.07	Pay and productivity .....88
2.05	Quality of air transport infrastructure .....82	7.08	Reliance on professional management .....84
2.06	Available seat kilometers* .....103	7.09	Brain drain .....68
2.07	Quality of electricity supply .....63	7.10	Female participation in labor force* .....119
2.08	Telephone lines* .....115	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....97
3.01	Government surplus/deficit* .....56	8.02	Financing through local equity market .....75
3.02	National savings rate* .....99	8.03	Ease of access to loans .....134
3.03	Inflation* .....23	8.04	Venture capital availability .....134
3.04	Interest rate spread* .....73	8.05	Restriction on capital flows .....115
3.05	Government debt* .....116	8.06	Strength of investor protection* .....112
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....78
4.01	Business impact of malaria .....125	8.08	Regulation of securities exchanges .....71
4.02	Malaria incidence* .....113	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....125	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....125	9.01	Availability of latest technologies .....73
4.05	Business impact of HIV/AIDS .....122	9.02	Firm-level technology absorption .....41
4.06	HIV prevalence* .....122	9.03	Laws relating to ICT .....130
4.07	Infant mortality* .....132	9.04	FDI and technology transfer .....68
4.08	Life expectancy* .....118	9.05	Mobile telephone subscribers* .....109
4.09	Quality of primary education .....90	9.06	Internet users* .....119
4.10	Primary enrollment* .....129	9.07	Personal computers* .....108
4.11	Education expenditure* .....49	9.08	Broadband Internet subscribers* .....104
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....125	10.01	Domestic market size* .....95
5.02	Tertiary enrollment* .....109	10.02	Foreign market size* .....83
5.03	Quality of the educational system .....106	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....71	11.01	Local supplier quantity .....82
5.05	Quality of management schools .....62	11.02	Local supplier quality .....70
5.06	Internet access in schools .....108	11.03	State of cluster development .....74
5.07	Local availability of research and training services .....84	11.04	Nature of competitive advantage .....120
5.08	Extent of staff training .....68	11.05	Value chain breadth .....110
		11.06	Control of international distribution .....87
		11.07	Production process sophistication .....108
		11.08	Extent of marketing .....84
		11.09	Willingness to delegate authority .....116
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....122
		12.02	Quality of scientific research institutions .....104
		12.03	Company spending on R&D .....113
		12.04	University-industry research collaboration .....127
		12.05	Gov't procurement of advanced tech products .....80
		12.06	Availability of scientists and engineers .....27
		12.07	Utility patents* .....88

\* Hard data

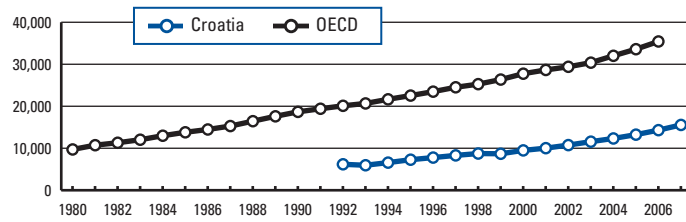
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Croatia

## Key indicators

Total population (millions), 2007 .....	4.6
GDP (US\$ billions), 2007 .....	51.4
GDP per capita (US\$), 2007 .....	11,576.0
GDP (PPP) as share (%) of world total, 2007 .....	0.11

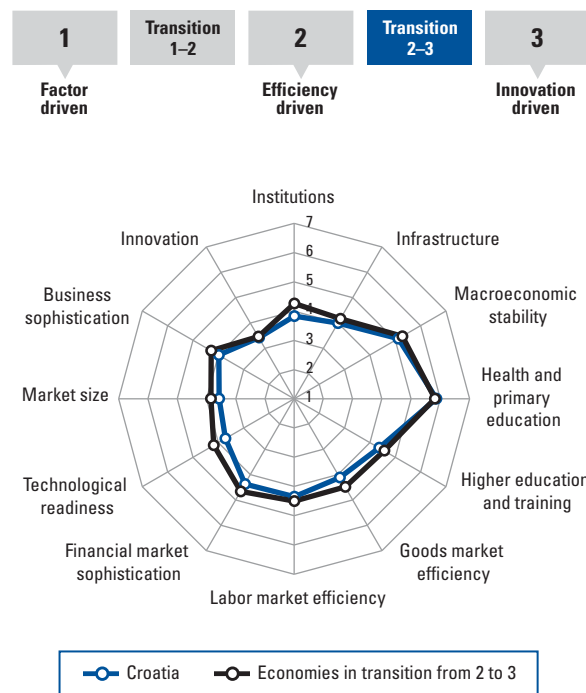
GDP (PPP US\$) per capita, 1980–2007



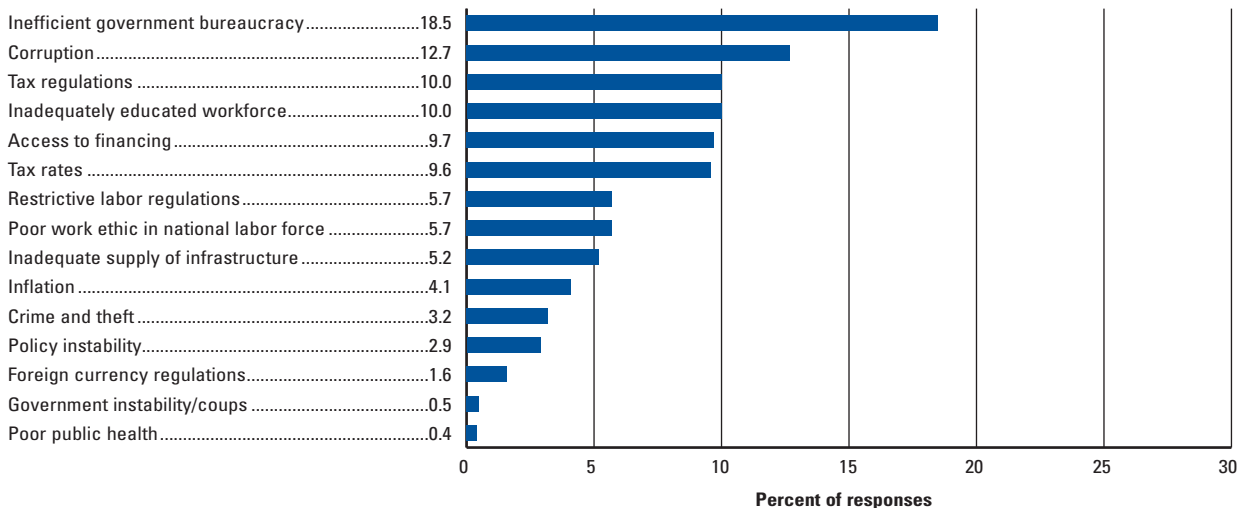
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>61</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	57	4.2
GCI 2006–2007 (out of 122) .....	56	4.2
<b>Basic requirements</b> .....	<b>49</b>	<b>4.7</b>
1st pillar: Institutions .....	74	3.8
2nd pillar: Infrastructure .....	51	4.0
3rd pillar: Macroeconomic stability .....	61	5.1
4th pillar: Health and primary education .....	41	5.9
<b>Efficiency enhancers</b> .....	<b>62</b>	<b>4.1</b>
5th pillar: Higher education and training .....	48	4.4
6th pillar: Goods market efficiency .....	76	4.1
7th pillar: Labor market efficiency .....	68	4.4
8th pillar: Financial market sophistication .....	63	4.4
9th pillar: Technological readiness .....	47	3.7
10th pillar: Market size .....	66	3.6
<b>Innovation and sophistication factors</b> .....	<b>62</b>	<b>3.7</b>
11th pillar: Business sophistication .....	72	4.0
12th pillar: Innovation .....	50	3.4

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....84	6.01	Intensity of local competition .....68
1.02	Intellectual property protection .....58	6.02	Extent of market dominance .....90
1.03	Diversion of public funds .....59	6.03	Effectiveness of anti-monopoly policy .....86
1.04	Public trust of politicians .....79	6.04	Extent and effect of taxation .....97
1.05	Judicial independence .....94	6.05	Total tax rate* .....25
1.06	Favoritism in decisions of government officials .....86	6.06	No. of procedures required to start a business* .....44
1.07	Wastefulness of government spending .....85	6.07	Time required to start a business* .....92
1.08	Burden of government regulation .....107	6.08	Agricultural policy costs .....112
1.09	Efficiency of legal framework .....88	6.09	Prevalence of trade barriers .....64
1.10	Transparency of government policymaking .....90	6.10	Trade-weighted tariff rate* .....35
1.11	Business costs of terrorism .....39	6.11	Prevalence of foreign ownership .....82
1.12	Business costs of crime and violence .....49	6.12	Business impact of rules on FDI .....117
1.13	Organized crime .....77	6.13	Burden of customs procedures .....57
1.14	Reliability of police services .....53	6.14	Degree of customer orientation .....80
1.15	Ethical behavior of firms .....77	6.15	Buyer sophistication .....82
1.16	Strength of auditing and reporting standards .....69	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....103	7.01	Cooperation in labor-employer relations .....117
1.18	Protection of minority shareholders' interests .....99	7.02	Flexibility of wage determination .....57
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....69
2.01	Quality of overall infrastructure .....53	7.04	Rigidity of employment* .....106
2.02	Quality of roads .....34	7.05	Hiring and firing practices .....68
2.03	Quality of railroad infrastructure .....45	7.06	Firing costs* .....70
2.04	Quality of port infrastructure .....90	7.07	Pay and productivity .....62
2.05	Quality of air transport infrastructure .....81	7.08	Reliance on professional management .....78
2.06	Available seat kilometers* .....92	7.09	Brain drain .....75
2.07	Quality of electricity supply .....42	7.10	Female participation in labor force* .....50
2.08	Telephone lines* .....32	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....65
3.01	Government surplus/deficit* .....92	8.02	Financing through local equity market .....64
3.02	National savings rate* .....55	8.03	Ease of access to loans .....72
3.03	Inflation* .....46	8.04	Venture capital availability .....83
3.04	Interest rate spread* .....89	8.05	Restriction on capital flows .....77
3.05	Government debt* .....69	8.06	Strength of investor protection* .....98
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....56
4.01	Business impact of malaria .....6	8.08	Regulation of securities exchanges .....75
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....11	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....57	9.01	Availability of latest technologies .....70
4.05	Business impact of HIV/AIDS .....6	9.02	Firm-level technology absorption .....100
4.06	HIV prevalence* .....1	9.03	Laws relating to ICT .....51
4.07	Infant mortality* .....31	9.04	FDI and technology transfer .....117
4.08	Life expectancy* .....40	9.05	Mobile telephone subscribers* .....33
4.09	Quality of primary education .....33	9.06	Internet users* .....36
4.10	Primary enrollment* .....82	9.07	Personal computers* .....43
4.11	Education expenditure* .....53	9.08	Broadband Internet subscribers* .....41
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....55	10.01	Domestic market size* .....66
5.02	Tertiary enrollment* .....49	10.02	Foreign market size* .....70
5.03	Quality of the educational system .....66	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....30	11.01	Local supplier quantity .....90
5.05	Quality of management schools .....77	11.02	Local supplier quality .....73
5.06	Internet access in schools .....46	11.03	State of cluster development .....114
5.07	Local availability of research and training services .....47	11.04	Nature of competitive advantage .....42
5.08	Extent of staff training .....64	11.05	Value chain breadth .....63
		11.06	Control of international distribution .....64
		11.07	Production process sophistication .....60
		11.08	Extent of marketing .....61
		11.09	Willingness to delegate authority .....48
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....42
		12.02	Quality of scientific research institutions .....50
		12.03	Company spending on R&D .....45
		12.04	University-industry research collaboration .....43
		12.05	Gov't procurement of advanced tech products .....69
		12.06	Availability of scientists and engineers .....58
		12.07	Utility patents* .....35

\* Hard data

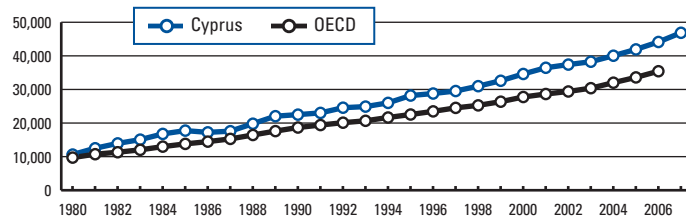
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Cyprus

## Key indicators

Total population (millions), 2007 .....	0.8
GDP (US\$ billions), 2007 .....	21.3
GDP per capita (US\$), 2007 .....	27,326.7
GDP (PPP) as share (%) of world total, 2007 .....	0.03

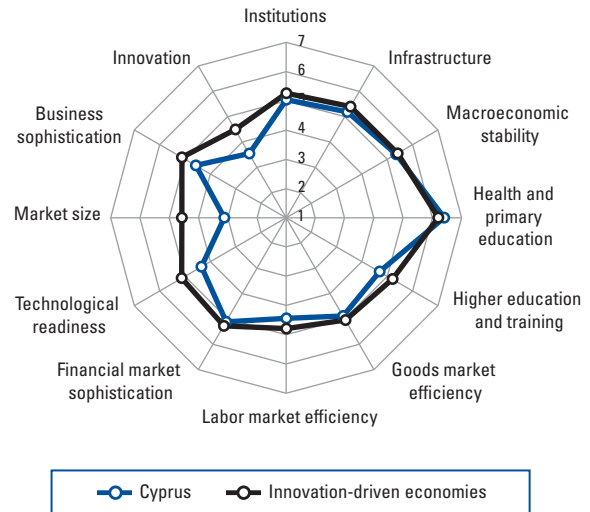
GDP (PPP US\$) per capita, 1980–2007



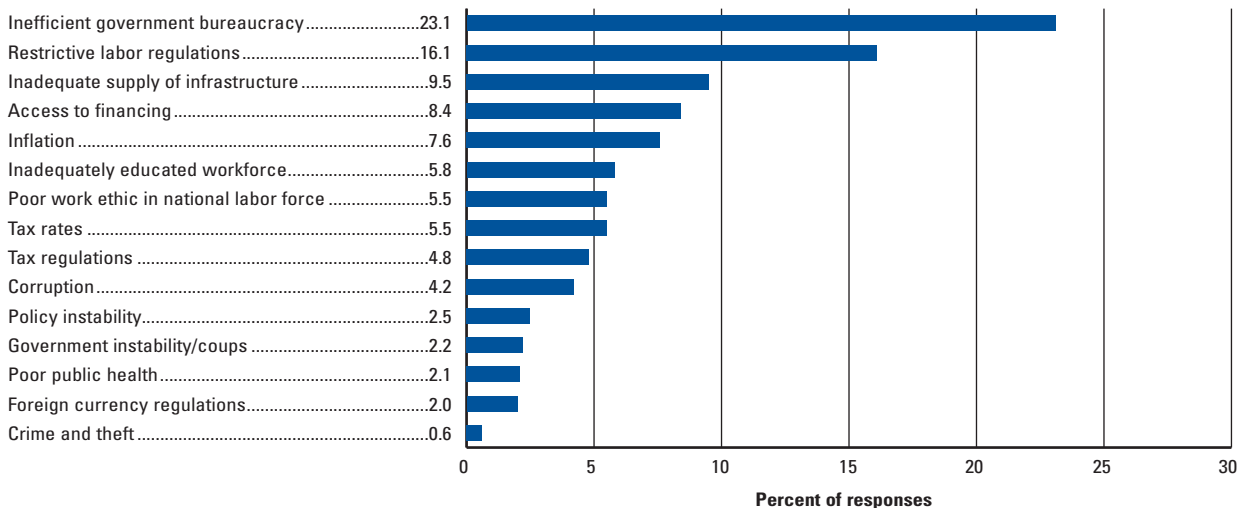
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>40</b>	<b>4.5</b>
GCI 2007–2008 (out of 131) .....	55	4.2
GCI 2006–2007 (out of 122) .....	49	4.3
<b>Basic requirements</b> .....	<b>23</b>	<b>5.5</b>
1st pillar: Institutions .....	24	5.0
2nd pillar: Infrastructure .....	25	5.2
3rd pillar: Macroeconomic stability .....	46	5.3
4th pillar: Health and primary education .....	7	6.4
<b>Efficiency enhancers</b> .....	<b>39</b>	<b>4.4</b>
5th pillar: Higher education and training .....	32	4.7
6th pillar: Goods market efficiency .....	28	4.9
7th pillar: Labor market efficiency .....	56	4.4
8th pillar: Financial market sophistication .....	27	5.1
9th pillar: Technological readiness .....	35	4.4
10th pillar: Market size .....	82	3.1
<b>Innovation and sophistication factors</b> .....	<b>41</b>	<b>4.0</b>
11th pillar: Business sophistication .....	36	4.6
12th pillar: Innovation .....	41	3.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	29	6.01 Intensity of local competition .....	26
1.02 Intellectual property protection .....	35	6.02 Extent of market dominance .....	36
1.03 Diversion of public funds .....	23	6.03 Effectiveness of anti-monopoly policy .....	27
1.04 Public trust of politicians .....	26	6.04 Extent and effect of taxation .....	14
1.05 Judicial independence .....	24	6.05 Total tax rate* .....	n/a
1.06 Favoritism in decisions of government officials .....	32	6.06 No. of procedures required to start a business* .....	n/a
1.07 Wastefulness of government spending .....	19	6.07 Time required to start a business* .....	n/a
1.08 Burden of government regulation .....	21	6.08 Agricultural policy costs .....	37
1.09 Efficiency of legal framework .....	23	6.09 Prevalence of trade barriers .....	19
1.10 Transparency of government policymaking .....	32	6.10 Trade-weighted tariff rate* .....	5
1.11 Business costs of terrorism .....	26	6.11 Prevalence of foreign ownership .....	66
1.12 Business costs of crime and violence .....	12	6.12 Business impact of rules on FDI .....	32
1.13 Organized crime .....	20	6.13 Burden of customs procedures .....	24
1.14 Reliability of police services .....	30	6.14 Degree of customer orientation .....	36
1.15 Ethical behavior of firms .....	41	6.15 Buyer sophistication .....	26
1.16 Strength of auditing and reporting standards .....	23		
1.17 Efficacy of corporate boards .....	97	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	35	7.01 Cooperation in labor-employer relations .....	22
		7.02 Flexibility of wage determination .....	110
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	n/a
2.01 Quality of overall infrastructure .....	21	7.04 Rigidity of employment* .....	n/a
2.02 Quality of roads .....	15	7.05 Hiring and firing practices .....	82
2.03 Quality of railroad infrastructure .....	n/a	7.06 Firing costs* .....	n/a
2.04 Quality of port infrastructure .....	26	7.07 Pay and productivity .....	68
2.05 Quality of air transport infrastructure .....	44	7.08 Reliance on professional management .....	96
2.06 Available seat kilometers* .....	61	7.09 Brain drain .....	39
2.07 Quality of electricity supply .....	24	7.10 Female participation in labor force* .....	53
2.08 Telephone lines* .....	19		
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit* .....	38	8.01 Financial market sophistication .....	36
3.02 National savings rate* .....	117	8.02 Financing through local equity market .....	72
3.03 Inflation* .....	27	8.03 Ease of access to loans .....	22
3.04 Interest rate spread* .....	32	8.04 Venture capital availability .....	30
3.05 Government debt* .....	101	8.05 Restriction on capital flows .....	38
		8.06 Strength of investor protection* .....	n/a
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	37
4.01 Business impact of malaria .....	32	8.08 Regulation of securities exchanges .....	54
4.02 Malaria incidence* .....	1	8.09 Legal rights index* .....	n/a
4.03 Business impact of tuberculosis .....	10		
4.04 Tuberculosis incidence* .....	3	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS .....	12	9.01 Availability of latest technologies .....	35
4.06 HIV prevalence* .....	50	9.02 Firm-level technology absorption .....	50
4.07 Infant mortality* .....	10	9.03 Laws relating to ICT .....	40
4.08 Life expectancy* .....	12	9.04 FDI and technology transfer .....	70
4.09 Quality of primary education .....	12	9.05 Mobile telephone subscribers* .....	27
4.10 Primary enrollment* .....	10	9.06 Internet users* .....	33
4.11 Education expenditure* .....	21	9.07 Personal computers* .....	27
		9.08 Broadband Internet subscribers* .....	36
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	37	10.01 Domestic market size* .....	85
5.02 Tertiary enrollment* .....	62	10.02 Foreign market size* .....	81
5.03 Quality of the educational system .....	10		
5.04 Quality of math and science education .....	10	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	42	11.01 Local supplier quantity .....	60
5.06 Internet access in schools .....	38	11.02 Local supplier quality .....	42
5.07 Local availability of research and training services .....	49	11.03 State of cluster development .....	29
5.08 Extent of staff training .....	56	11.04 Nature of competitive advantage .....	25
		11.05 Value chain breadth .....	35
		11.06 Control of international distribution .....	22
		11.07 Production process sophistication .....	46
		11.08 Extent of marketing .....	38
		11.09 Willingness to delegate authority .....	73
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	51
		12.02 Quality of scientific research institutions .....	63
		12.03 Company spending on R&D .....	49
		12.04 University-industry research collaboration .....	59
		12.05 Gov't procurement of advanced tech products .....	36
		12.06 Availability of scientists and engineers .....	23
		12.07 Utility patents* .....	32

\* Hard data

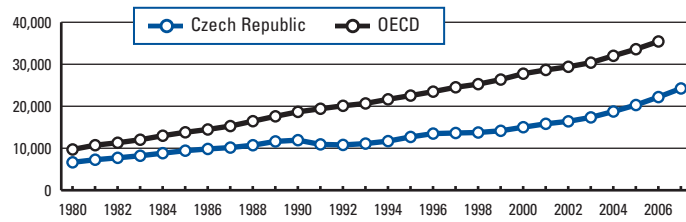
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Czech Republic

## Key indicators

Total population (millions), 2007 .....	10.2
GDP (US\$ billions), 2007 .....	175.3
GDP per capita (US\$), 2007 .....	17,069.7
GDP (PPP) as share (%) of world total, 2007 .....	0.38

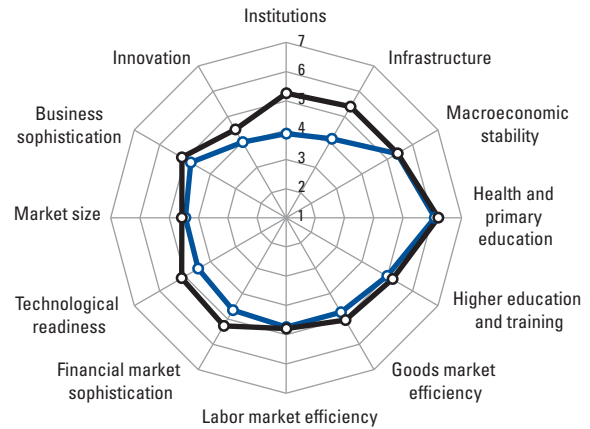
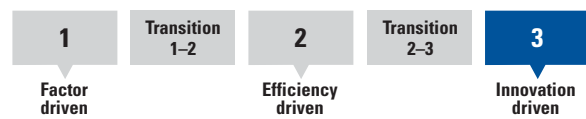
GDP (PPP US\$) per capita, 1980–2007



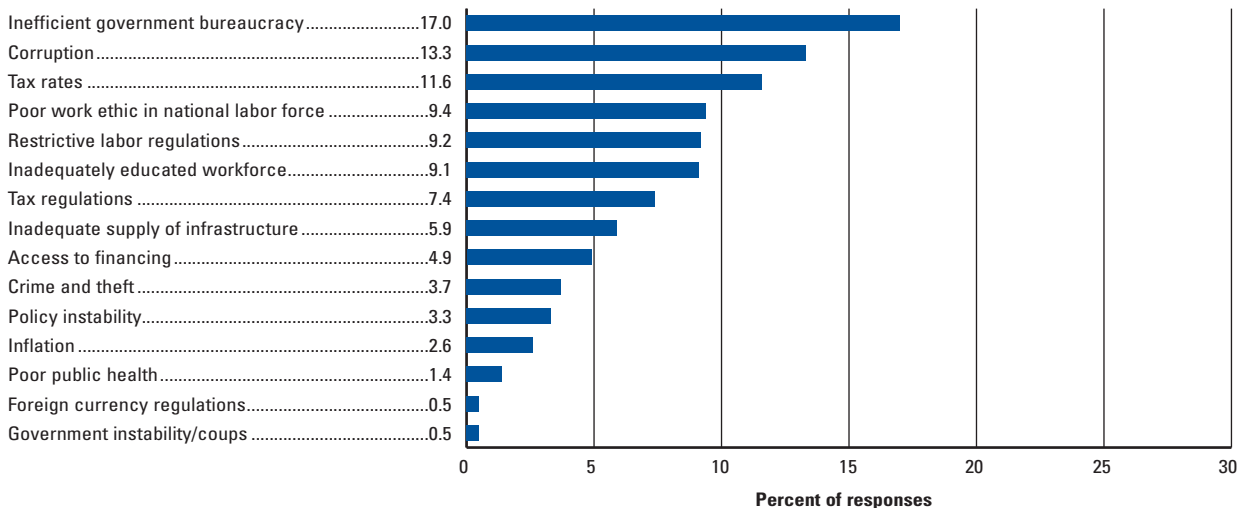
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>33</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	33	4.6
GCI 2006–2007 (out of 122) .....	31	4.7
<b>Basic requirements</b> .....	<b>45</b>	<b>4.9</b>
1st pillar: Institutions .....	72	3.9
2nd pillar: Infrastructure .....	50	4.1
3rd pillar: Macroeconomic stability .....	42	5.4
4th pillar: Health and primary education .....	29	6.1
<b>Efficiency enhancers</b> .....	<b>28</b>	<b>4.7</b>
5th pillar: Higher education and training .....	25	5.0
6th pillar: Goods market efficiency .....	33	4.7
7th pillar: Labor market efficiency .....	28	4.7
8th pillar: Financial market sophistication .....	47	4.6
9th pillar: Technological readiness .....	33	4.5
10th pillar: Market size .....	38	4.4
<b>Innovation and sophistication factors</b> .....	<b>25</b>	<b>4.4</b>
11th pillar: Business sophistication .....	29	4.8
12th pillar: Innovation .....	25	4.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	63 .....	6.01 Intensity of local competition .....	13 .....
1.02 Intellectual property protection .....	51 .....	6.02 Extent of market dominance .....	37 .....
1.03 Diversion of public funds .....	98 .....	6.03 Effectiveness of anti-monopoly policy .....	34 .....
1.04 Public trust of politicians .....	117 .....	6.04 Extent and effect of taxation .....	61 .....
1.05 Judicial independence .....	61 .....	6.05 Total tax rate* .....	82 .....
1.06 Favoritism in decisions of government officials .....	110 .....	6.06 No. of procedures required to start a business* .....	75 .....
1.07 Wastefulness of government spending .....	106 .....	6.07 Time required to start a business* .....	36 .....
1.08 Burden of government regulation .....	115 .....	6.08 Agricultural policy costs .....	64 .....
1.09 Efficiency of legal framework .....	86 .....	6.09 Prevalence of trade barriers .....	8 .....
1.10 Transparency of government policymaking .....	104 .....	6.10 Trade-weighted tariff rate* .....	5 .....
1.11 Business costs of terrorism .....	13 .....	6.11 Prevalence of foreign ownership .....	52 .....
1.12 Business costs of crime and violence .....	36 .....	6.12 Business impact of rules on FDI .....	25 .....
1.13 Organized crime .....	36 .....	6.13 Burden of customs procedures .....	43 .....
1.14 Reliability of police services .....	91 .....	6.14 Degree of customer orientation .....	53 .....
1.15 Ethical behavior of firms .....	91 .....	6.15 Buyer sophistication .....	41 .....
1.16 Strength of auditing and reporting standards .....	52 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	29 .....	7.01 Cooperation in labor-employer relations .....	57 .....
1.18 Protection of minority shareholders' interests .....	87 .....	7.02 Flexibility of wage determination .....	7 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	121 .....
2.01 Quality of overall infrastructure .....	51 .....	7.04 Rigidity of employment* .....	51 .....
2.02 Quality of roads .....	81 .....	7.05 Hiring and firing practices .....	100 .....
2.03 Quality of railroad infrastructure .....	23 .....	7.06 Firing costs* .....	35 .....
2.04 Quality of port infrastructure .....	61 .....	7.07 Pay and productivity .....	13 .....
2.05 Quality of air transport infrastructure .....	45 .....	7.08 Reliance on professional management .....	29 .....
2.06 Available seat kilometers* .....	57 .....	7.09 Brain drain .....	43 .....
2.07 Quality of electricity supply .....	20 .....	7.10 Female participation in labor force* .....	44 .....
2.08 Telephone lines* .....	45 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	49 .....
3.01 Government surplus/deficit* .....	82 .....	8.02 Financing through local equity market .....	71 .....
3.02 National savings rate* .....	58 .....	8.03 Ease of access to loans .....	48 .....
3.03 Inflation* .....	43 .....	8.04 Venture capital availability .....	68 .....
3.04 Interest rate spread* .....	56 .....	8.05 Restriction on capital flows .....	39 .....
3.05 Government debt* .....	57 .....	8.06 Strength of investor protection* .....	67 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	57 .....
4.01 Business impact of malaria .....	10 .....	8.08 Regulation of securities exchanges .....	59 .....
4.02 Malaria incidence* .....	1 .....	8.09 Legal rights index* .....	29 .....
4.03 Business impact of tuberculosis .....	41 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	21 .....	9.01 Availability of latest technologies .....	49 .....
4.05 Business impact of HIV/AIDS .....	53 .....	9.02 Firm-level technology absorption .....	38 .....
4.06 HIV prevalence* .....	23 .....	9.03 Laws relating to ICT .....	39 .....
4.07 Infant mortality* .....	4 .....	9.04 FDI and technology transfer .....	13 .....
4.08 Life expectancy* .....	37 .....	9.05 Mobile telephone subscribers* .....	7 .....
4.09 Quality of primary education .....	15 .....	9.06 Internet users* .....	40 .....
4.10 Primary enrollment* .....	69 .....	9.07 Personal computers* .....	34 .....
4.11 Education expenditure* .....	67 .....	9.08 Broadband Internet subscribers* .....	33 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	41 .....	10.01 Domestic market size* .....	40 .....
5.02 Tertiary enrollment* .....	38 .....	10.02 Foreign market size* .....	26 .....
5.03 Quality of the educational system .....	26 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	8 .....	11.01 Local supplier quantity .....	8 .....
5.05 Quality of management schools .....	34 .....	11.02 Local supplier quality .....	21 .....
5.06 Internet access in schools .....	19 .....	11.03 State of cluster development .....	35 .....
5.07 Local availability of research and training services .....	23 .....	11.04 Nature of competitive advantage .....	48 .....
5.08 Extent of staff training .....	28 .....	11.05 Value chain breadth .....	22 .....
		11.06 Control of international distribution .....	85 .....
		11.07 Production process sophistication .....	26 .....
		11.08 Extent of marketing .....	32 .....
		11.09 Willingness to delegate authority .....	46 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	24 .....
		12.02 Quality of scientific research institutions .....	26 .....
		12.03 Company spending on R&D .....	26 .....
		12.04 University-industry research collaboration .....	26 .....
		12.05 Gov't procurement of advanced tech products .....	35 .....
		12.06 Availability of scientists and engineers .....	11 .....
		12.07 Utility patents* .....	34 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

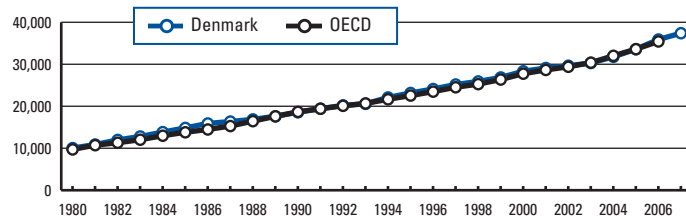


# Denmark

## Key indicators

Total population (millions), 2007 .....	5.5
GDP (US\$ billions), 2007 .....	311.9
GDP per capita (US\$), 2007 .....	57,260.9
GDP (PPP) as share (%) of world total, 2007 .....	0.32

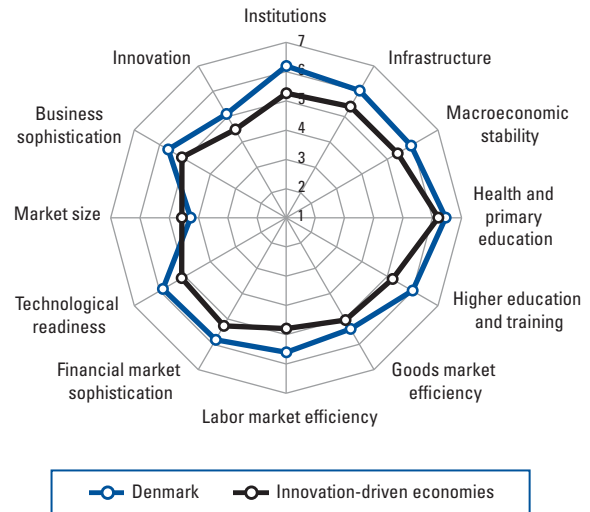
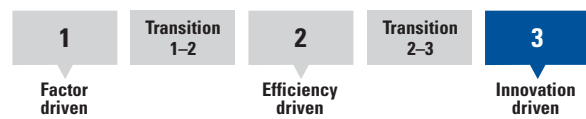
GDP (PPP US\$) per capita, 1980–2007



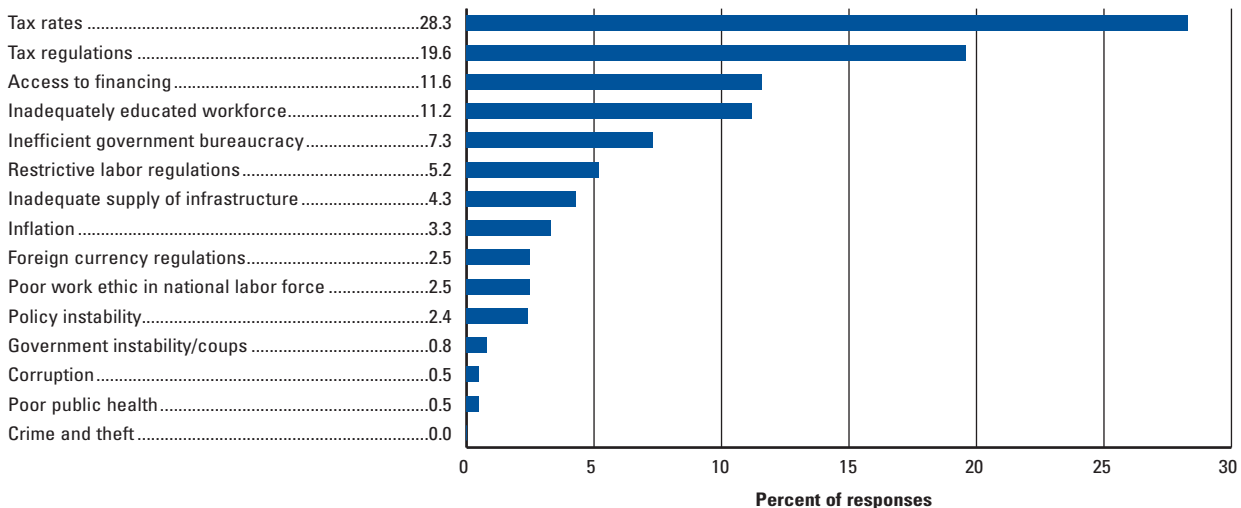
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>3</b>	<b>5.6</b>
GCI 2007–2008 (out of 131) .....	3	5.6
GCI 2006–2007 (out of 122) .....	3	5.6
<b>Basic requirements</b> .....	<b>4</b>	<b>6.1</b>
1st pillar: Institutions .....	3	6.2
2nd pillar: Infrastructure .....	8	6.0
3rd pillar: Macroeconomic stability .....	12	5.9
4th pillar: Health and primary education .....	4	6.4
<b>Efficiency enhancers</b> .....	<b>3</b>	<b>5.5</b>
5th pillar: Higher education and training .....	2	6.0
6th pillar: Goods market efficiency .....	4	5.4
7th pillar: Labor market efficiency .....	5	5.6
8th pillar: Financial market sophistication .....	4	5.8
9th pillar: Technological readiness .....	3	5.9
10th pillar: Market size .....	46	4.3
<b>Innovation and sophistication factors</b> .....	<b>7</b>	<b>5.4</b>
11th pillar: Business sophistication .....	5	5.7
12th pillar: Innovation .....	10	5.1

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	
<b>1st pillar: Institutions</b>		
1.01 Property rights	2	■
1.02 Intellectual property protection	3	■
1.03 Diversion of public funds	1	■
1.04 Public trust of politicians	2	■
1.05 Judicial independence	5	■
1.06 Favoritism in decisions of government officials	1	■
1.07 Wastefulness of government spending	7	■
1.08 Burden of government regulation	25	■
1.09 Efficiency of legal framework	1	■
1.10 Transparency of government policymaking	4	■
1.11 Business costs of terrorism	41	■
1.12 Business costs of crime and violence	8	■
1.13 Organized crime	2	■
1.14 Reliability of police services	2	■
1.15 Ethical behavior of firms	3	■
1.16 Strength of auditing and reporting standards	16	■
1.17 Efficacy of corporate boards	5	■
1.18 Protection of minority shareholders' interests	2	■
<b>2nd pillar: Infrastructure</b>		
2.01 Quality of overall infrastructure	7	■
2.02 Quality of roads	7	■
2.03 Quality of railroad infrastructure	14	■
2.04 Quality of port infrastructure	5	■
2.05 Quality of air transport infrastructure	7	■
2.06 Available seat kilometers*	41	■
2.07 Quality of electricity supply	1	■
2.08 Telephone lines*	7	■
<b>3rd pillar: Macroeconomic stability</b>		
3.01 Government surplus/deficit*	20	■
3.02 National savings rate*	56	■
3.03 Inflation*	15	■
3.04 Interest rate spread*	29	■
3.05 Government debt*	55	■
<b>4th pillar: Health and primary education</b>		
4.01 Business impact of malaria	5	■
4.02 Malaria incidence*	1	■
4.03 Business impact of tuberculosis	3	■
4.04 Tuberculosis incidence*	16	■
4.05 Business impact of HIV/AIDS	9	■
4.06 HIV prevalence*	50	■
4.07 Infant mortality*	10	■
4.08 Life expectancy*	22	■
4.09 Quality of primary education	14	■
4.10 Primary enrollment*	47	■
4.11 Education expenditure*	4	■
<b>5th pillar: Higher education and training</b>		
5.01 Secondary enrollment*	3	■
5.02 Tertiary enrollment*	7	■
5.03 Quality of the educational system	6	■
5.04 Quality of math and science education	20	■
5.05 Quality of management schools	8	■
5.06 Internet access in schools	6	■
5.07 Local availability of research and training services	6	■
5.08 Extent of staff training	1	■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

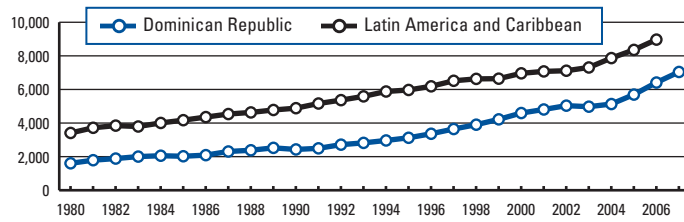
INDICATOR	RANK/134	
<b>6th pillar: Goods market efficiency</b>		
6.01 Intensity of local competition	25	■
6.02 Extent of market dominance	8	■
6.03 Effectiveness of anti-monopoly policy	3	■
6.04 Extent and effect of taxation	124	■
6.05 Total tax rate*	30	■
6.06 No. of procedures required to start a business*	7	■
6.07 Time required to start a business*	6	■
6.08 Agricultural policy costs	32	■
6.09 Prevalence of trade barriers	13	■
6.10 Trade-weighted tariff rate*	5	■
6.11 Prevalence of foreign ownership	17	■
6.12 Business impact of rules on FDI	24	■
6.13 Burden of customs procedures	4	■
6.14 Degree of customer orientation	6	■
6.15 Buyer sophistication	8	■
<b>7th pillar: Labor market efficiency</b>		
7.01 Cooperation in labor-employer relations	1	■
7.02 Flexibility of wage determination	107	■
7.03 Non-wage labor costs*	9	■
7.04 Rigidity of employment*	14	■
7.05 Hiring and firing practices	1	■
7.06 Firing costs*	1	■
7.07 Pay and productivity	24	■
7.08 Reliance on professional management	3	■
7.09 Brain drain	17	■
7.10 Female participation in labor force*	19	■
<b>8th pillar: Financial market sophistication</b>		
8.01 Financial market sophistication	11	■
8.02 Financing through local equity market	21	■
8.03 Ease of access to loans	1	■
8.04 Venture capital availability	9	■
8.05 Restriction on capital flows	6	■
8.06 Strength of investor protection*	19	■
8.07 Soundness of banks	5	■
8.08 Regulation of securities exchanges	2	■
8.09 Legal rights index*	8	■
<b>9th pillar: Technological readiness</b>		
9.01 Availability of latest technologies	4	■
9.02 Firm-level technology absorption	6	■
9.03 Laws relating to ICT	1	■
9.04 FDI and technology transfer	41	■
9.05 Mobile telephone subscribers*	20	■
9.06 Internet users*	16	■
9.07 Personal computers*	7	■
9.08 Broadband Internet subscribers*	1	■
<b>10th pillar: Market size</b>		
10.01 Domestic market size*	46	■
10.02 Foreign market size*	44	■
<b>11th pillar: Business sophistication</b>		
11.01 Local supplier quantity	15	■
11.02 Local supplier quality	9	■
11.03 State of cluster development	11	■
11.04 Nature of competitive advantage	3	■
11.05 Value chain breadth	6	■
11.06 Control of international distribution	10	■
11.07 Production process sophistication	5	■
11.08 Extent of marketing	6	■
11.09 Willingness to delegate authority	2	■
<b>12th pillar: Innovation</b>		
12.01 Capacity for innovation	7	■
12.02 Quality of scientific research institutions	12	■
12.03 Company spending on R&D	6	■
12.04 University-industry research collaboration	7	■
12.05 Gov't procurement of advanced tech products	10	■
12.06 Availability of scientists and engineers	13	■
12.07 Utility patents*	14	■

# Dominican Republic

## Key indicators

Total population (millions), 2007	9.1
GDP (US\$ billions), 2007	36.4
GDP per capita (US\$), 2007	4,147.3
GDP (PPP) as share (%) of world total, 2007	0.10

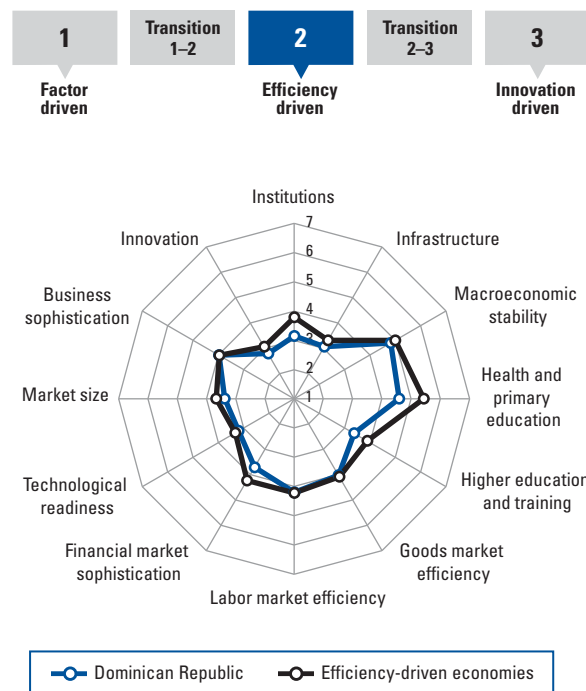
GDP (PPP US\$) per capita, 1980–2007



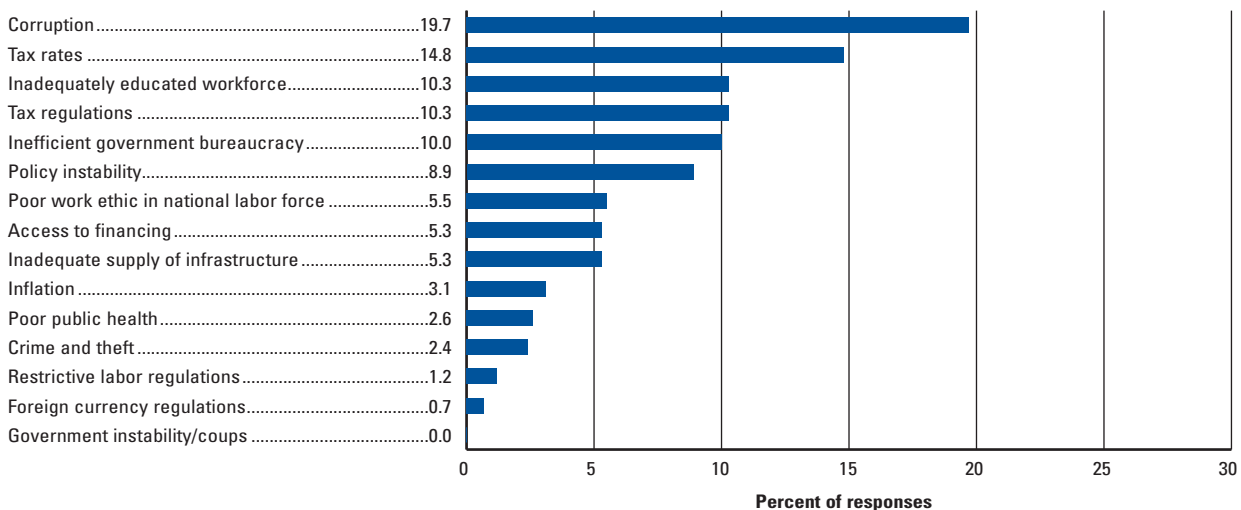
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>98</b>	<b>3.7</b>
GCI 2007–2008 (out of 131)	96	3.7
GCI 2006–2007 (out of 122)	93	3.7
<b>Basic requirements</b>	<b>99</b>	<b>3.9</b>
1st pillar: Institutions	119	3.1
2nd pillar: Infrastructure	81	3.1
3rd pillar: Macroeconomic stability	78	4.8
4th pillar: Health and primary education	106	4.6
<b>Efficiency enhancers</b>	<b>90</b>	<b>3.6</b>
5th pillar: Higher education and training	99	3.4
6th pillar: Goods market efficiency	86	4.0
7th pillar: Labor market efficiency	86	4.2
8th pillar: Financial market sophistication	101	3.7
9th pillar: Technological readiness	73	3.2
10th pillar: Market size	72	3.4
<b>Innovation and sophistication factors</b>	<b>86</b>	<b>3.4</b>
11th pillar: Business sophistication	75	4.0
12th pillar: Innovation	103	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	90	6.01 Intensity of local competition	87
1.02 Intellectual property protection	73	6.02 Extent of market dominance	107
1.03 Diversion of public funds	127	6.03 Effectiveness of anti-monopoly policy	110
1.04 Public trust of politicians	121	6.04 Extent and effect of taxation	125
1.05 Judicial independence	103	6.05 Total tax rate*	56
1.06 Favoritism in decisions of government officials	132	6.06 No. of procedures required to start a business*	58
1.07 Wastefulness of government spending	131	6.07 Time required to start a business*	47
1.08 Burden of government regulation	93	6.08 Agricultural policy costs	83
1.09 Efficiency of legal framework	120	6.09 Prevalence of trade barriers	103
1.10 Transparency of government policymaking	80	6.10 Trade-weighted tariff rate*	78
1.11 Business costs of terrorism	49	6.11 Prevalence of foreign ownership	36
1.12 Business costs of crime and violence	116	6.12 Business impact of rules on FDI	67
1.13 Organized crime	103	6.13 Burden of customs procedures	62
1.14 Reliability of police services	129	6.14 Degree of customer orientation	81
1.15 Ethical behavior of firms	119	6.15 Buyer sophistication	79
1.16 Strength of auditing and reporting standards	103		
1.17 Efficacy of corporate boards	116	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	119	7.01 Cooperation in labor-employer relations	31
		7.02 Flexibility of wage determination	48
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs*	56
2.01 Quality of overall infrastructure	75	7.04 Rigidity of employment*	54
2.02 Quality of roads	64	7.05 Hiring and firing practices	37
2.03 Quality of railroad infrastructure	110	7.06 Firing costs*	104
2.04 Quality of port infrastructure	74	7.07 Pay and productivity	50
2.05 Quality of air transport infrastructure	37	7.08 Reliance on professional management	98
2.06 Available seat kilometers*	51	7.09 Brain drain	61
2.07 Quality of electricity supply	133	7.10 Female participation in labor force*	106
2.08 Telephone lines*	90		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication	85
3.01 Government surplus/deficit*	57	8.02 Financing through local equity market	113
3.02 National savings rate*	118	8.03 Ease of access to loans	105
3.03 Inflation*	75	8.04 Venture capital availability	93
3.04 Interest rate spread*	107	8.05 Restriction on capital flows	74
3.05 Government debt*	30	8.06 Strength of investor protection*	98
		8.07 Soundness of banks	90
		8.08 Regulation of securities exchanges	106
		8.09 Legal rights index*	72
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria	102	9.01 Availability of latest technologies	87
4.02 Malaria incidence*	81	9.02 Firm-level technology absorption	62
4.03 Business impact of tuberculosis	96	9.03 Laws relating to ICT	58
4.04 Tuberculosis incidence*	84	9.04 FDI and technology transfer	49
4.05 Business impact of HIV/AIDS	112	9.05 Mobile telephone subscribers*	83
4.06 HIV prevalence*	103	9.06 Internet users*	71
4.07 Infant mortality*	84	9.07 Personal computers*	99
4.08 Life expectancy*	83	9.08 Broadband Internet subscribers*	67
4.09 Quality of primary education	134		
4.10 Primary enrollment*	113	<b>10th pillar: Market size</b>	
4.11 Education expenditure*	117	10.01 Domestic market size*	71
		10.02 Foreign market size*	89
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment*	96	11.01 Local supplier quantity	57
5.02 Tertiary enrollment*	61	11.02 Local supplier quality	75
5.03 Quality of the educational system	131	11.03 State of cluster development	85
5.04 Quality of math and science education	131	11.04 Nature of competitive advantage	92
5.05 Quality of management schools	100	11.05 Value chain breadth	76
5.06 Internet access in schools	83	11.06 Control of international distribution	75
5.07 Local availability of research and training services	89	11.07 Production process sophistication	92
5.08 Extent of staff training	78	11.08 Extent of marketing	41
		11.09 Willingness to delegate authority	71
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	91
		12.02 Quality of scientific research institutions	124
		12.03 Company spending on R&D	100
		12.04 University-industry research collaboration	95
		12.05 Gov't procurement of advanced tech products	72
		12.06 Availability of scientists and engineers	107
		12.07 Utility patents*	75

\* Hard data

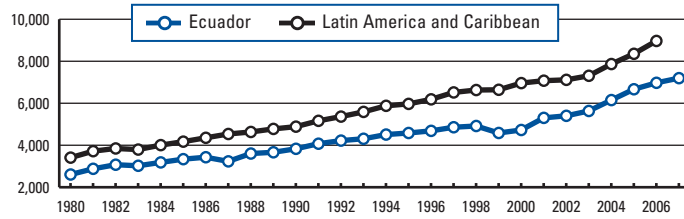
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Ecuador

## Key indicators

Total population (millions), 2007 .....	13.6
GDP (US\$ billions), 2007 .....	44.2
GDP per capita (US\$), 2007 .....	3,218.2
GDP (PPP) as share (%) of world total, 2007 .....	0.15

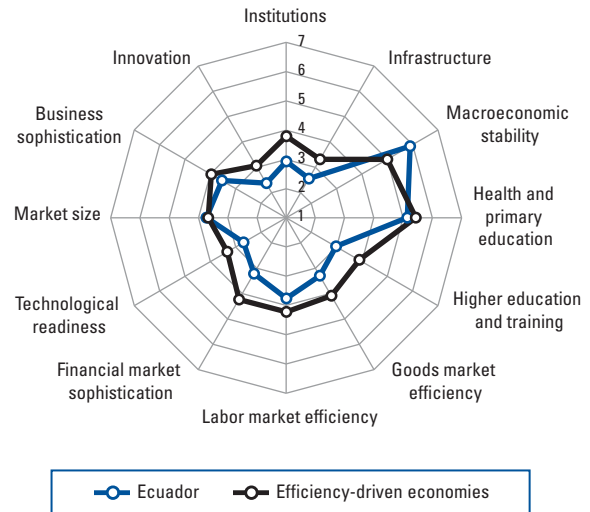
GDP (PPP US\$) per capita, 1980–2007



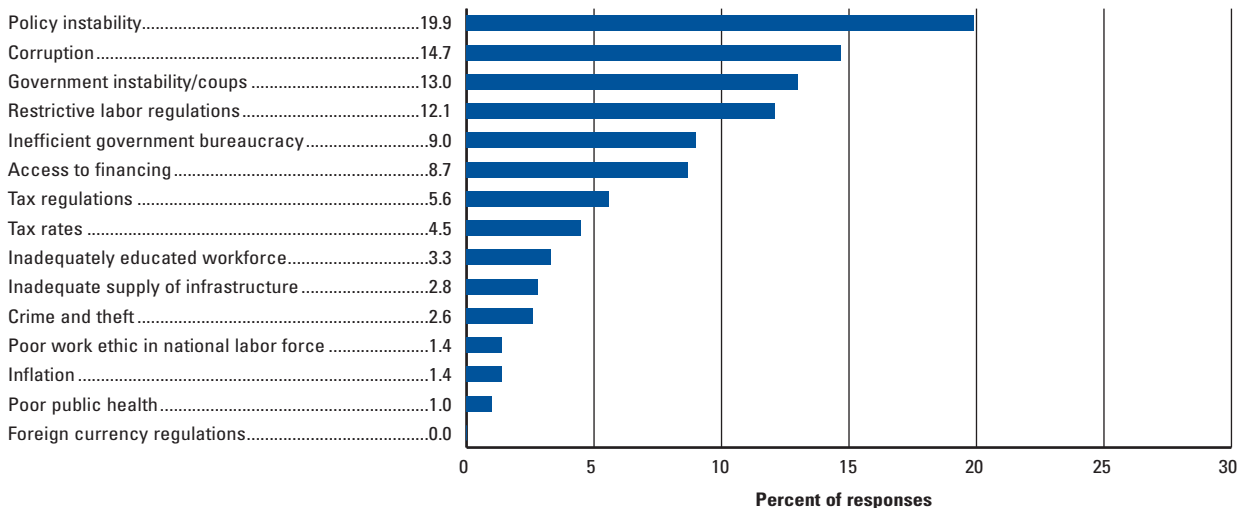
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>104</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	103	3.6
GCI 2006–2007 (out of 122) .....	94	3.6
<b>Basic requirements</b> .....	<b>90</b>	<b>4.1</b>
1st pillar: Institutions .....	129	2.9
2nd pillar: Infrastructure .....	108	2.5
3rd pillar: Macroeconomic stability .....	16	5.9
4th pillar: Health and primary education .....	92	5.1
<b>Efficiency enhancers</b> .....	<b>117</b>	<b>3.3</b>
5th pillar: Higher education and training .....	115	3.0
6th pillar: Goods market efficiency .....	129	3.3
7th pillar: Labor market efficiency .....	122	3.8
8th pillar: Financial market sophistication .....	125	3.2
9th pillar: Technological readiness .....	104	2.7
10th pillar: Market size .....	61	3.7
<b>Innovation and sophistication factors</b> .....	<b>118</b>	<b>2.9</b>
11th pillar: Business sophistication .....	99	3.5
12th pillar: Innovation .....	129	2.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	125	6.01 Intensity of local competition .....	125
1.02 Intellectual property protection .....	123	6.02 Extent of market dominance .....	123
1.03 Diversion of public funds .....	121	6.03 Effectiveness of anti-monopoly policy .....	133
1.04 Public trust of politicians .....	130	6.04 Extent and effect of taxation .....	92
1.05 Judicial independence .....	129	6.05 Total tax rate* .....	35
1.06 Favoritism in decisions of government officials .....	122	6.06 No. of procedures required to start a business* .....	117
1.07 Wastefulness of government spending .....	127	6.07 Time required to start a business* .....	112
1.08 Burden of government regulation .....	110	6.08 Agricultural policy costs .....	100
1.09 Efficiency of legal framework .....	129	6.09 Prevalence of trade barriers .....	132
1.10 Transparency of government policymaking .....	131	6.10 Trade-weighted tariff rate* .....	93
1.11 Business costs of terrorism .....	68	6.11 Prevalence of foreign ownership .....	122
1.12 Business costs of crime and violence .....	112	6.12 Business impact of rules on FDI .....	131
1.13 Organized crime .....	93	6.13 Burden of customs procedures .....	131
1.14 Reliability of police services .....	126	6.14 Degree of customer orientation .....	128
1.15 Ethical behavior of firms .....	117	6.15 Buyer sophistication .....	115
1.16 Strength of auditing and reporting standards .....	111	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	121	7.01 Cooperation in labor-employer relations .....	109
1.18 Protection of minority shareholders' interests .....	118	7.02 Flexibility of wage determination .....	99
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	43
2.01 Quality of overall infrastructure .....	105	7.04 Rigidity of employment* .....	108
2.02 Quality of roads .....	100	7.05 Hiring and firing practices .....	123
2.03 Quality of railroad infrastructure .....	117	7.06 Firing costs* .....	120
2.04 Quality of port infrastructure .....	109	7.07 Pay and productivity .....	101
2.05 Quality of air transport infrastructure .....	77	7.08 Reliance on professional management .....	114
2.06 Available seat kilometers* .....	67	7.09 Brain drain .....	80
2.07 Quality of electricity supply .....	107	7.10 Female participation in labor force* .....	64
2.08 Telephone lines* .....	81	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	98
3.01 Government surplus/deficit* .....	22	8.02 Financing through local equity market .....	115
3.02 National savings rate* .....	34	8.03 Ease of access to loans .....	128
3.03 Inflation* .....	31	8.04 Venture capital availability .....	131
3.04 Interest rate spread* .....	58	8.05 Restriction on capital flows .....	79
3.05 Government debt* .....	58	8.06 Strength of investor protection* .....	98
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	118
4.01 Business impact of malaria .....	78	8.08 Regulation of securities exchanges .....	98
4.02 Malaria incidence* .....	108	8.09 Legal rights index* .....	123
4.03 Business impact of tuberculosis .....	67	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	92	9.01 Availability of latest technologies .....	131
4.05 Business impact of HIV/AIDS .....	72	9.02 Firm-level technology absorption .....	125
4.06 HIV prevalence* .....	68	9.03 Laws relating to ICT .....	114
4.07 Infant mortality* .....	77	9.04 FDI and technology transfer .....	128
4.08 Life expectancy* .....	55	9.05 Mobile telephone subscribers* .....	70
4.09 Quality of primary education .....	124	9.06 Internet users* .....	82
4.10 Primary enrollment* .....	36	9.07 Personal computers* .....	59
4.11 Education expenditure* .....	124	9.08 Broadband Internet subscribers* .....	69
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	97	10.01 Domestic market size* .....	59
5.02 Tertiary enrollment* .....	92	10.02 Foreign market size* .....	72
5.03 Quality of the educational system .....	125	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	116	11.01 Local supplier quantity .....	111
5.05 Quality of management schools .....	109	11.02 Local supplier quality .....	101
5.06 Internet access in schools .....	111	11.03 State of cluster development .....	109
5.07 Local availability of research and training services .....	110	11.04 Nature of competitive advantage .....	101
5.08 Extent of staff training .....	120	11.05 Value chain breadth .....	102
		11.06 Control of international distribution .....	92
		11.07 Production process sophistication .....	109
		11.08 Extent of marketing .....	78
		11.09 Willingness to delegate authority .....	81
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	116
		12.02 Quality of scientific research institutions .....	129
		12.03 Company spending on R&D .....	125
		12.04 University-industry research collaboration .....	122
		12.05 Gov't procurement of advanced tech products .....	126
		12.06 Availability of scientists and engineers .....	125
		12.07 Utility patents* .....	62

\* Hard data

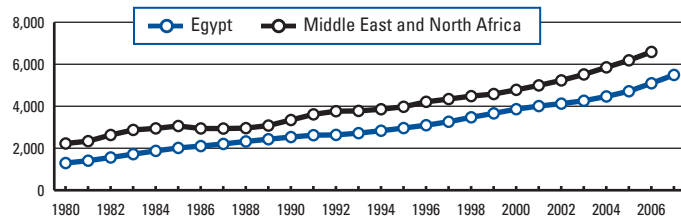
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Egypt

## Key indicators

Total population (millions), 2007 .....	76.9
GDP (US\$ billions), 2007 .....	127.9
GDP per capita (US\$), 2007 .....	1,738.8
GDP (PPP) as share (%) of world total, 2007 .....	0.63

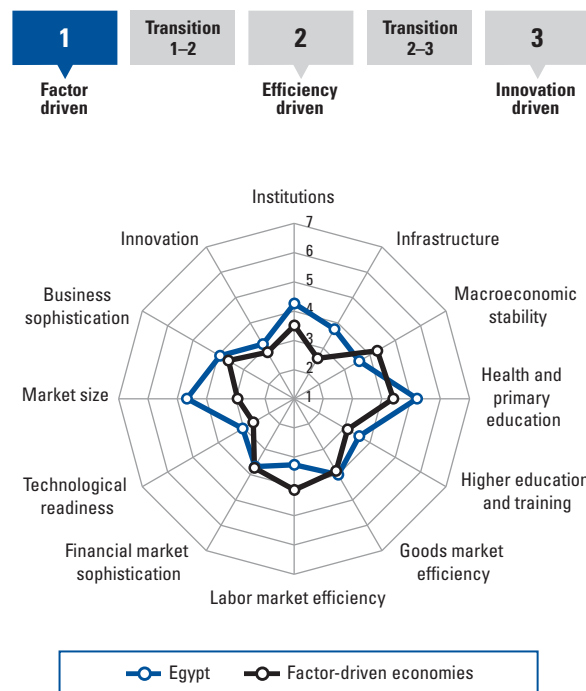
GDP (PPP US\$) per capita, 1980–2007



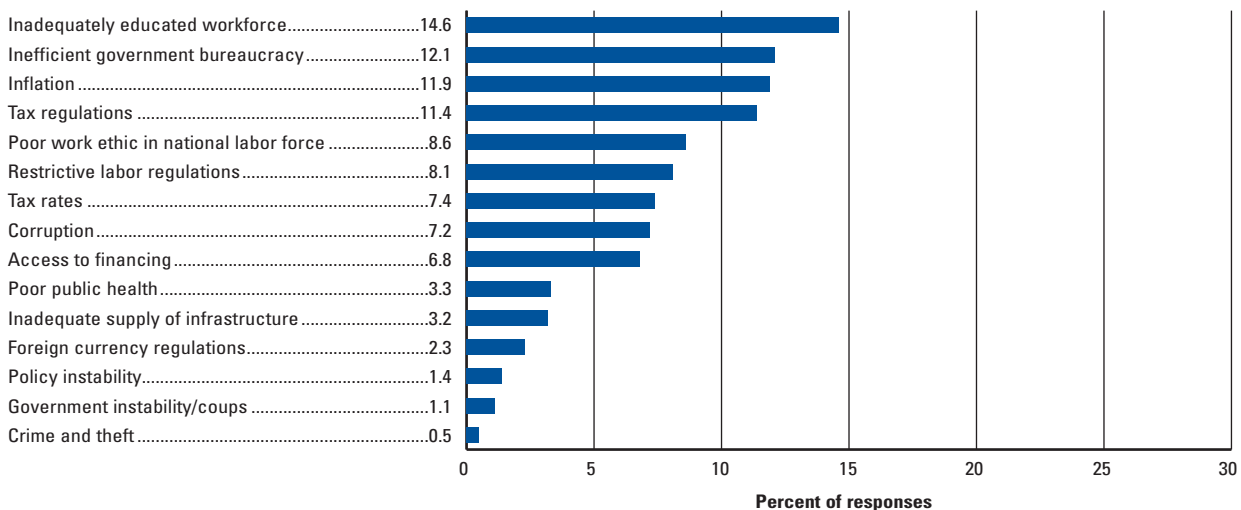
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>81</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	77	4.0
GCI 2006–2007 (out of 122) .....	71	4.0
<b>Basic requirements</b> .....	<b>83</b>	<b>4.2</b>
1st pillar: Institutions .....	52	4.2
2nd pillar: Infrastructure .....	60	3.7
3rd pillar: Macroeconomic stability .....	125	3.6
4th pillar: Health and primary education .....	88	5.2
<b>Efficiency enhancers</b> .....	<b>88</b>	<b>3.7</b>
5th pillar: Higher education and training .....	91	3.6
6th pillar: Goods market efficiency .....	87	4.0
7th pillar: Labor market efficiency .....	134	3.3
8th pillar: Financial market sophistication .....	106	3.7
9th pillar: Technological readiness .....	84	3.0
10th pillar: Market size .....	27	4.7
<b>Innovation and sophistication factors</b> .....	<b>74</b>	<b>3.5</b>
11th pillar: Business sophistication .....	77	3.9
12th pillar: Innovation .....	67	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	67	6.01 Intensity of local competition .....	92
1.02 Intellectual property protection .....	60	6.02 Extent of market dominance .....	87
1.03 Diversion of public funds .....	85	6.03 Effectiveness of anti-monopoly policy .....	98
1.04 Public trust of politicians .....	51	6.04 Extent and effect of taxation .....	34
1.05 Judicial independence .....	42	6.05 Total tax rate* .....	80
1.06 Favoritism in decisions of government officials .....	61	6.06 No. of procedures required to start a business* .....	34
1.07 Wastefulness of government spending .....	86	6.07 Time required to start a business* .....	16
1.08 Burden of government regulation .....	55	6.08 Agricultural policy costs .....	102
1.09 Efficiency of legal framework .....	55	6.09 Prevalence of trade barriers .....	118
1.10 Transparency of government policymaking .....	67	6.10 Trade-weighted tariff rate* .....	132
1.11 Business costs of terrorism .....	72	6.11 Prevalence of foreign ownership .....	78
1.12 Business costs of crime and violence .....	23	6.12 Business impact of rules on FDI .....	83
1.13 Organized crime .....	21	6.13 Burden of customs procedures .....	77
1.14 Reliability of police services .....	52	6.14 Degree of customer orientation .....	27
1.15 Ethical behavior of firms .....	53	6.15 Buyer sophistication .....	130
1.16 Strength of auditing and reporting standards .....	66	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	93	7.01 Cooperation in labor-employer relations .....	50
1.18 Protection of minority shareholders' interests .....	68	7.02 Flexibility of wage determination .....	62
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	101
2.01 Quality of overall infrastructure .....	57	7.04 Rigidity of employment* .....	40
2.02 Quality of roads .....	74	7.05 Hiring and firing practices .....	92
2.03 Quality of railroad infrastructure .....	54	7.06 Firing costs* .....	119
2.04 Quality of port infrastructure .....	69	7.07 Pay and productivity .....	114
2.05 Quality of air transport infrastructure .....	52	7.08 Reliance on professional management .....	124
2.06 Available seat kilometers* .....	32	7.09 Brain drain .....	129
2.07 Quality of electricity supply .....	53	7.10 Female participation in labor force* .....	133
2.08 Telephone lines* .....	79	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	95
3.01 Government surplus/deficit* .....	126	8.02 Financing through local equity market .....	49
3.02 National savings rate* .....	70	8.03 Ease of access to loans .....	79
3.03 Inflation* .....	122	8.04 Venture capital availability .....	46
3.04 Interest rate spread* .....	81	8.05 Restriction on capital flows .....	80
3.05 Government debt* .....	124	8.06 Strength of investor protection* .....	67
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	111
4.01 Business impact of malaria .....	52	8.08 Regulation of securities exchanges .....	80
4.02 Malaria incidence* .....	61	8.09 Legal rights index* .....	123
4.03 Business impact of tuberculosis .....	60	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	42	9.01 Availability of latest technologies .....	60
4.05 Business impact of HIV/AIDS .....	32	9.02 Firm-level technology absorption .....	63
4.06 HIV prevalence* .....	1	9.03 Laws relating to ICT .....	64
4.07 Infant mortality* .....	88	9.04 FDI and technology transfer .....	55
4.08 Life expectancy* .....	89	9.05 Mobile telephone subscribers* .....	106
4.09 Quality of primary education .....	129	9.06 Internet users* .....	92
4.10 Primary enrollment* .....	63	9.07 Personal computers* .....	90
4.11 Education expenditure* .....	59	9.08 Broadband Internet subscribers* .....	86
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	65	10.01 Domestic market size* .....	25
5.02 Tertiary enrollment* .....	59	10.02 Foreign market size* .....	39
5.03 Quality of the educational system .....	126	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	128	11.01 Local supplier quantity .....	86
5.05 Quality of management schools .....	116	11.02 Local supplier quality .....	103
5.06 Internet access in schools .....	99	11.03 State of cluster development .....	46
5.07 Local availability of research and training services .....	92	11.04 Nature of competitive advantage .....	105
5.08 Extent of staff training .....	96	11.05 Value chain breadth .....	73
		11.06 Control of international distribution .....	49
		11.07 Production process sophistication .....	61
		11.08 Extent of marketing .....	95
		11.09 Willingness to delegate authority .....	38
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	85
		12.02 Quality of scientific research institutions .....	96
		12.03 Company spending on R&D .....	57
		12.04 University-industry research collaboration .....	79
		12.05 Gov't procurement of advanced tech products .....	57
		12.06 Availability of scientists and engineers .....	47
		12.07 Utility patents* .....	70

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

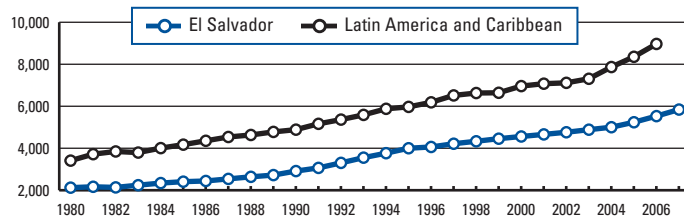


# El Salvador

## Key indicators

Total population (millions), 2007 .....	7.1
GDP (US\$ billions), 2007 .....	20.4
GDP per capita (US\$), 2007 .....	2,857.4
GDP (PPP) as share (%) of world total, 2007 .....	0.06

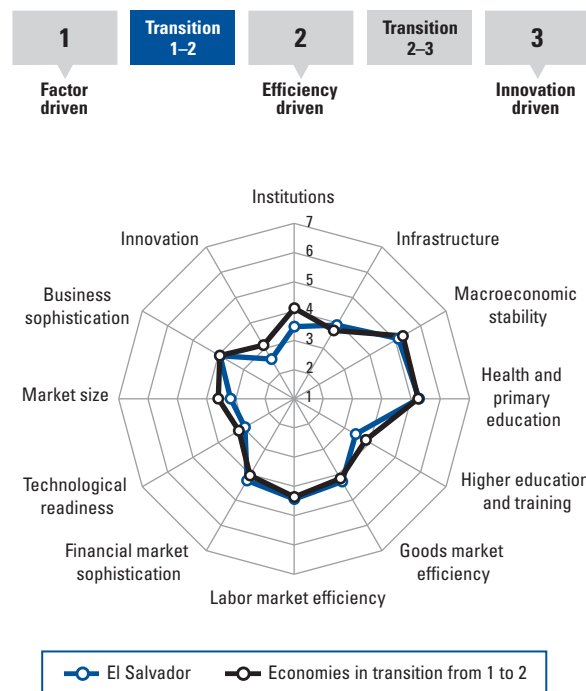
GDP (PPP US\$) per capita, 1980–2007



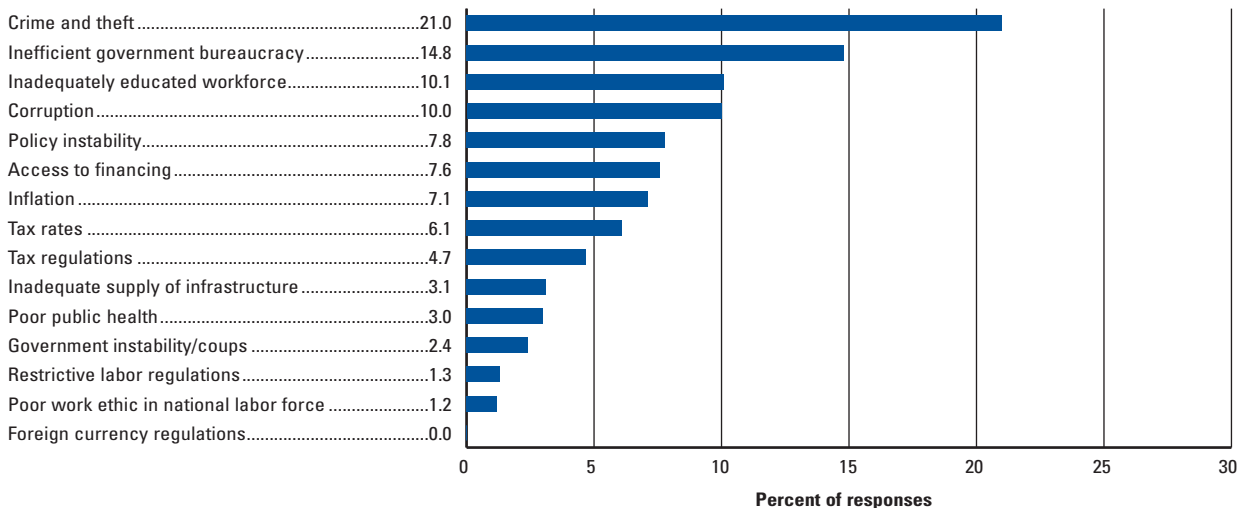
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>79</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	67	4.1
GCI 2006–2007 (out of 122) .....	53	4.2
<b>Basic requirements</b> .....	<b>66</b>	<b>4.4</b>
1st pillar: Institutions .....	100	3.5
2nd pillar: Infrastructure .....	56	3.9
3rd pillar: Macroeconomic stability .....	62	5.1
4th pillar: Health and primary education .....	86	5.3
<b>Efficiency enhancers</b> .....	<b>84</b>	<b>3.7</b>
5th pillar: Higher education and training .....	95	3.4
6th pillar: Goods market efficiency .....	59	4.3
7th pillar: Labor market efficiency .....	57	4.4
8th pillar: Financial market sophistication .....	72	4.2
9th pillar: Technological readiness .....	90	2.9
10th pillar: Market size .....	81	3.2
<b>Innovation and sophistication factors</b> .....	<b>96</b>	<b>3.2</b>
11th pillar: Business sophistication .....	79	3.9
12th pillar: Innovation .....	118	2.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	82 .....
1.02 Intellectual property protection .....	104 .....
1.03 Diversion of public funds .....	69 .....
1.04 Public trust of politicians .....	93 .....
1.05 Judicial independence .....	97 .....
1.06 Favoritism in decisions of government officials .....	97 .....
1.07 Wastefulness of government spending .....	54 .....
1.08 Burden of government regulation .....	51 .....
1.09 Efficiency of legal framework .....	95 .....
1.10 Transparency of government policymaking .....	72 .....
1.11 Business costs of terrorism .....	116 .....
1.12 Business costs of crime and violence .....	133 .....
1.13 Organized crime .....	134 .....
1.14 Reliability of police services .....	96 .....
1.15 Ethical behavior of firms .....	72 .....
1.16 Strength of auditing and reporting standards .....	80 .....
1.17 Efficacy of corporate boards .....	73 .....
1.18 Protection of minority shareholders' interests .....	90 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	48 .....
2.02 Quality of roads .....	36 .....
2.03 Quality of railroad infrastructure .....	113 .....
2.04 Quality of port infrastructure .....	81 .....
2.05 Quality of air transport infrastructure .....	33 .....
2.06 Available seat kilometers* .....	81 .....
2.07 Quality of electricity supply .....	67 .....
2.08 Telephone lines* .....	76 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	65 .....
3.02 National savings rate* .....	126 .....
3.03 Inflation* .....	56 .....
3.04 Interest rate spread* .....	26 .....
3.05 Government debt* .....	59 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	86 .....
4.02 Malaria incidence* .....	69 .....
4.03 Business impact of tuberculosis .....	87 .....
4.04 Tuberculosis incidence* .....	64 .....
4.05 Business impact of HIV/AIDS .....	104 .....
4.06 HIV prevalence* .....	95 .....
4.07 Infant mortality* .....	80 .....
4.08 Life expectancy* .....	76 .....
4.09 Quality of primary education .....	98 .....
4.10 Primary enrollment* .....	62 .....
4.11 Education expenditure* .....	102 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	101 .....
5.02 Tertiary enrollment* .....	82 .....
5.03 Quality of the educational system .....	102 .....
5.04 Quality of math and science education .....	108 .....
5.05 Quality of management schools .....	70 .....
5.06 Internet access in schools .....	95 .....
5.07 Local availability of research and training services .....	81 .....
5.08 Extent of staff training .....	66 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	67 .....
6.02 Extent of market dominance .....	113 .....
6.03 Effectiveness of anti-monopoly policy .....	94 .....
6.04 Extent and effect of taxation .....	32 .....
6.05 Total tax rate* .....	31 .....
6.06 No. of procedures required to start a business* .....	58 .....
6.07 Time required to start a business* .....	56 .....
6.08 Agricultural policy costs .....	54 .....
6.09 Prevalence of trade barriers .....	67 .....
6.10 Trade-weighted tariff rate* .....	46 .....
6.11 Prevalence of foreign ownership .....	50 .....
6.12 Business impact of rules on FDI .....	43 .....
6.13 Burden of customs procedures .....	67 .....
6.14 Degree of customer orientation .....	60 .....
6.15 Buyer sophistication .....	72 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	42 .....
7.02 Flexibility of wage determination .....	18 .....
7.03 Non-wage labor costs* .....	60 .....
7.04 Rigidity of employment* .....	32 .....
7.05 Hiring and firing practices .....	26 .....
7.06 Firing costs* .....	102 .....
7.07 Pay and productivity .....	52 .....
7.08 Reliance on professional management .....	85 .....
7.09 Brain drain .....	62 .....
7.10 Female participation in labor force* .....	95 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	43 .....
8.02 Financing through local equity market .....	86 .....
8.03 Ease of access to loans .....	64 .....
8.04 Venture capital availability .....	81 .....
8.05 Restriction on capital flows .....	48 .....
8.06 Strength of investor protection* .....	86 .....
8.07 Soundness of banks .....	43 .....
8.08 Regulation of securities exchanges .....	68 .....
8.09 Legal rights index* .....	93 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	105 .....
9.02 Firm-level technology absorption .....	93 .....
9.03 Laws relating to ICT .....	83 .....
9.04 FDI and technology transfer .....	91 .....
9.05 Mobile telephone subscribers* .....	77 .....
9.06 Internet users* .....	87 .....
9.07 Personal computers* .....	84 .....
9.08 Broadband Internet subscribers* .....	73 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	76 .....
10.02 Foreign market size* .....	95 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	95 .....
11.02 Local supplier quality .....	80 .....
11.03 State of cluster development .....	86 .....
11.04 Nature of competitive advantage .....	56 .....
11.05 Value chain breadth .....	61 .....
11.06 Control of international distribution .....	70 .....
11.07 Production process sophistication .....	89 .....
11.08 Extent of marketing .....	63 .....
11.09 Willingness to delegate authority .....	63 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	96 .....
12.02 Quality of scientific research institutions .....	127 .....
12.03 Company spending on R&D .....	117 .....
12.04 University-industry research collaboration .....	115 .....
12.05 Gov't procurement of advanced tech products .....	95 .....
12.06 Availability of scientists and engineers .....	124 .....
12.07 Utility patents* .....	88 .....

\* Hard data

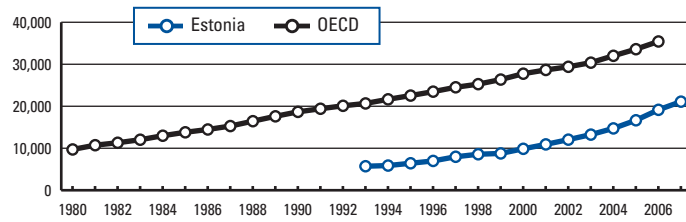
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Estonia

## Key indicators

Total population (millions), 2007 .....	1.3
GDP (US\$ billions), 2007 .....	21.3
GDP per capita (US\$), 2007 .....	15,850.7
GDP (PPP) as share (%) of world total, 2007 .....	0.04

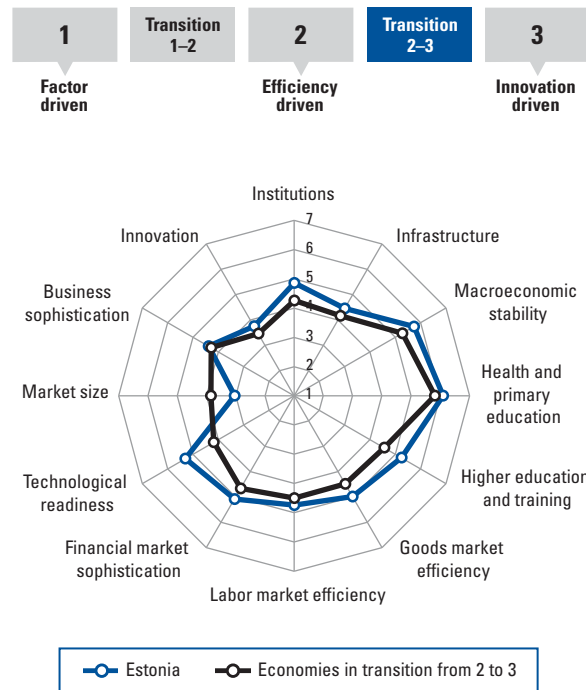
GDP (PPP US\$) per capita, 1980–2007



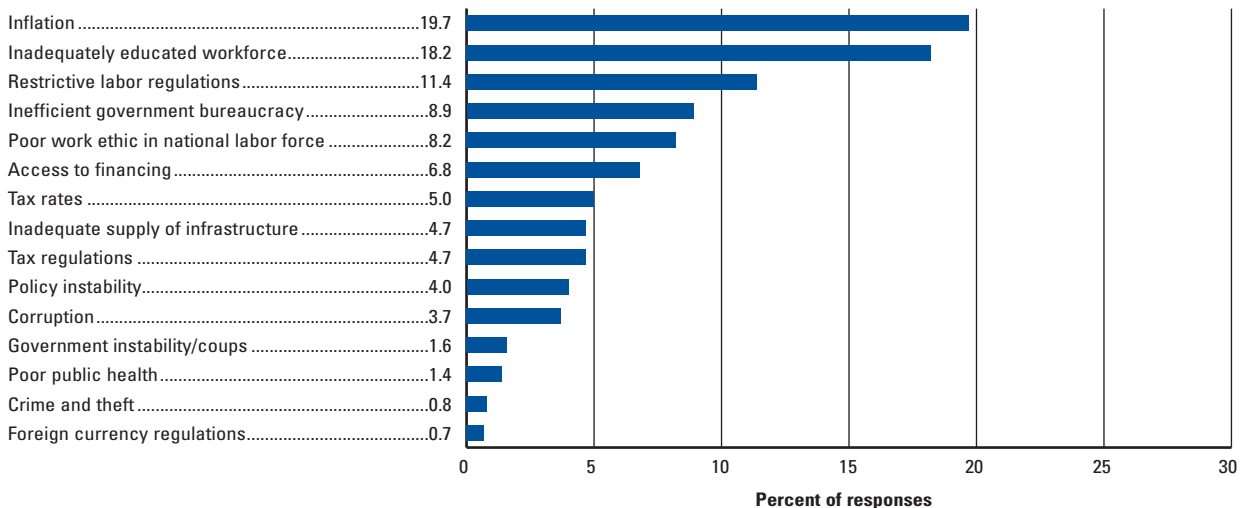
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>32</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	27	4.7
GCI 2006–2007 (out of 122) .....	26	4.8
<b>Basic requirements</b> .....	<b>30</b>	<b>5.3</b>
1st pillar: Institutions .....	33	4.8
2nd pillar: Infrastructure .....	40	4.4
3rd pillar: Macroeconomic stability .....	23	5.7
4th pillar: Health and primary education .....	28	6.1
<b>Efficiency enhancers</b> .....	<b>26</b>	<b>4.7</b>
5th pillar: Higher education and training .....	19	5.2
6th pillar: Goods market efficiency .....	24	5.0
7th pillar: Labor market efficiency .....	29	4.7
8th pillar: Financial market sophistication .....	28	5.1
9th pillar: Technological readiness .....	17	5.3
10th pillar: Market size .....	90	3.0
<b>Innovation and sophistication factors</b> .....	<b>40</b>	<b>4.1</b>
11th pillar: Business sophistication .....	50	4.4
12th pillar: Innovation .....	31	3.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	28 <span style="color: #0056b3;">■</span>	6.01 Intensity of local competition .....	22 <span style="color: #0056b3;">■</span>
1.02 Intellectual property protection .....	32 <span style="color: #808080;">■</span>	6.02 Extent of market dominance .....	42 <span style="color: #808080;">■</span>
1.03 Diversion of public funds .....	43 <span style="color: #808080;">■</span>	6.03 Effectiveness of anti-monopoly policy .....	31 <span style="color: #0056b3;">■</span>
1.04 Public trust of politicians .....	44 <span style="color: #808080;">■</span>	6.04 Extent and effect of taxation .....	13 <span style="color: #0056b3;">■</span>
1.05 Judicial independence .....	27 <span style="color: #0056b3;">■</span>	6.05 Total tax rate* .....	85 <span style="color: #808080;">■</span>
1.06 Favoritism in decisions of government officials .....	44 <span style="color: #808080;">■</span>	6.06 No. of procedures required to start a business* .....	9 <span style="color: #0056b3;">■</span>
1.07 Wastefulness of government spending .....	39 <span style="color: #808080;">■</span>	6.07 Time required to start a business* .....	9 <span style="color: #0056b3;">■</span>
1.08 Burden of government regulation .....	10 <span style="color: #0056b3;">■</span>	6.08 Agricultural policy costs .....	16 <span style="color: #0056b3;">■</span>
1.09 Efficiency of legal framework .....	31 <span style="color: #0056b3;">■</span>	6.09 Prevalence of trade barriers .....	15 <span style="color: #0056b3;">■</span>
1.10 Transparency of government policymaking .....	27 <span style="color: #0056b3;">■</span>	6.10 Trade-weighted tariff rate* .....	5 <span style="color: #0056b3;">■</span>
1.11 Business costs of terrorism .....	19 <span style="color: #0056b3;">■</span>	6.11 Prevalence of foreign ownership .....	35 <span style="color: #808080;">■</span>
1.12 Business costs of crime and violence .....	37 <span style="color: #808080;">■</span>	6.12 Business impact of rules on FDI .....	11 <span style="color: #0056b3;">■</span>
1.13 Organized crime .....	34 <span style="color: #808080;">■</span>	6.13 Burden of customs procedures .....	12 <span style="color: #0056b3;">■</span>
1.14 Reliability of police services .....	35 <span style="color: #808080;">■</span>	6.14 Degree of customer orientation .....	24 <span style="color: #0056b3;">■</span>
1.15 Ethical behavior of firms .....	35 <span style="color: #808080;">■</span>	6.15 Buyer sophistication .....	56 <span style="color: #808080;">■</span>
1.16 Strength of auditing and reporting standards .....	26 <span style="color: #0056b3;">■</span>	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	51 <span style="color: #808080;">■</span>	7.01 Cooperation in labor-employer relations .....	36 <span style="color: #808080;">■</span>
1.18 Protection of minority shareholders' interests .....	49 <span style="color: #808080;">■</span>	7.02 Flexibility of wage determination .....	3 <span style="color: #0056b3;">■</span>
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	117 <span style="color: #808080;">■</span>
2.01 Quality of overall infrastructure .....	37 <span style="color: #808080;">■</span>	7.04 Rigidity of employment* .....	116 <span style="color: #808080;">■</span>
2.02 Quality of roads .....	53 <span style="color: #808080;">■</span>	7.05 Hiring and firing practices .....	76 <span style="color: #808080;">■</span>
2.03 Quality of railroad infrastructure .....	39 <span style="color: #808080;">■</span>	7.06 Firing costs* .....	61 <span style="color: #808080;">■</span>
2.04 Quality of port infrastructure .....	20 <span style="color: #0056b3;">■</span>	7.07 Pay and productivity .....	8 <span style="color: #0056b3;">■</span>
2.05 Quality of air transport infrastructure .....	51 <span style="color: #808080;">■</span>	7.08 Reliance on professional management .....	23 <span style="color: #0056b3;">■</span>
2.06 Available seat kilometers* .....	112 <span style="color: #808080;">■</span>	7.09 Brain drain .....	46 <span style="color: #808080;">■</span>
2.07 Quality of electricity supply .....	34 <span style="color: #808080;">■</span>	7.10 Female participation in labor force* .....	25 <span style="color: #0056b3;">■</span>
2.08 Telephone lines* .....	35 <span style="color: #808080;">■</span>	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	25 <span style="color: #0056b3;">■</span>
3.01 Government surplus/deficit* .....	29 <span style="color: #0056b3;">■</span>	8.02 Financing through local equity market .....	39 <span style="color: #808080;">■</span>
3.02 National savings rate* .....	79 <span style="color: #808080;">■</span>	8.03 Ease of access to loans .....	16 <span style="color: #0056b3;">■</span>
3.03 Inflation* .....	81 <span style="color: #808080;">■</span>	8.04 Venture capital availability .....	15 <span style="color: #0056b3;">■</span>
3.04 Interest rate spread* .....	8 <span style="color: #0056b3;">■</span>	8.05 Restriction on capital flows .....	12 <span style="color: #0056b3;">■</span>
3.05 Government debt* .....	5 <span style="color: #0056b3;">■</span>	8.06 Strength of investor protection* .....	26 <span style="color: #0056b3;">■</span>
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	25 <span style="color: #0056b3;">■</span>
4.01 Business impact of malaria .....	7 <span style="color: #0056b3;">■</span>	8.08 Regulation of securities exchanges .....	26 <span style="color: #0056b3;">■</span>
4.02 Malaria incidence* .....	1 <span style="color: #0056b3;">■</span>	8.09 Legal rights index* .....	72 <span style="color: #808080;">■</span>
4.03 Business impact of tuberculosis .....	56 <span style="color: #808080;">■</span>	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	55 <span style="color: #808080;">■</span>	9.01 Availability of latest technologies .....	21 <span style="color: #0056b3;">■</span>
4.05 Business impact of HIV/AIDS .....	82 <span style="color: #808080;">■</span>	9.02 Firm-level technology absorption .....	30 <span style="color: #0056b3;">■</span>
4.06 HIV prevalence* .....	107 <span style="color: #808080;">■</span>	9.03 Laws relating to ICT .....	4 <span style="color: #0056b3;">■</span>
4.07 Infant mortality* .....	31 <span style="color: #0056b3;">■</span>	9.04 FDI and technology transfer .....	25 <span style="color: #0056b3;">■</span>
4.08 Life expectancy* .....	55 <span style="color: #808080;">■</span>	9.05 Mobile telephone subscribers* .....	4 <span style="color: #0056b3;">■</span>
4.09 Quality of primary education .....	11 <span style="color: #0056b3;">■</span>	9.06 Internet users* .....	19 <span style="color: #0056b3;">■</span>
4.10 Primary enrollment* .....	60 <span style="color: #808080;">■</span>	9.07 Personal computers* .....	21 <span style="color: #0056b3;">■</span>
4.11 Education expenditure* .....	40 <span style="color: #808080;">■</span>	9.08 Broadband Internet subscribers* .....	21 <span style="color: #0056b3;">■</span>
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	27 <span style="color: #0056b3;">■</span>	10.01 Domestic market size* .....	93 <span style="color: #808080;">■</span>
5.02 Tertiary enrollment* .....	21 <span style="color: #0056b3;">■</span>	10.02 Foreign market size* .....	77 <span style="color: #808080;">■</span>
5.03 Quality of the educational system .....	30 <span style="color: #0056b3;">■</span>	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	14 <span style="color: #0056b3;">■</span>	11.01 Local supplier quantity .....	70 <span style="color: #808080;">■</span>
5.05 Quality of management schools .....	32 <span style="color: #808080;">■</span>	11.02 Local supplier quality .....	35 <span style="color: #808080;">■</span>
5.06 Internet access in schools .....	2 <span style="color: #0056b3;">■</span>	11.03 State of cluster development .....	75 <span style="color: #808080;">■</span>
5.07 Local availability of research and training services .....	21 <span style="color: #0056b3;">■</span>	11.04 Nature of competitive advantage .....	62 <span style="color: #808080;">■</span>
5.08 Extent of staff training .....	35 <span style="color: #808080;">■</span>	11.05 Value chain breadth .....	68 <span style="color: #808080;">■</span>
		11.06 Control of international distribution .....	61 <span style="color: #808080;">■</span>
		11.07 Production process sophistication .....	39 <span style="color: #808080;">■</span>
		11.08 Extent of marketing .....	39 <span style="color: #808080;">■</span>
		11.09 Willingness to delegate authority .....	27 <span style="color: #0056b3;">■</span>
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	40 <span style="color: #808080;">■</span>
		12.02 Quality of scientific research institutions .....	25 <span style="color: #0056b3;">■</span>
		12.03 Company spending on R&D .....	40 <span style="color: #808080;">■</span>
		12.04 University-industry research collaboration .....	29 <span style="color: #0056b3;">■</span>
		12.05 Gov't procurement of advanced tech products .....	18 <span style="color: #0056b3;">■</span>
		12.06 Availability of scientists and engineers .....	74 <span style="color: #808080;">■</span>
		12.07 Utility patents* .....	30 <span style="color: #0056b3;">■</span>

\* Hard data

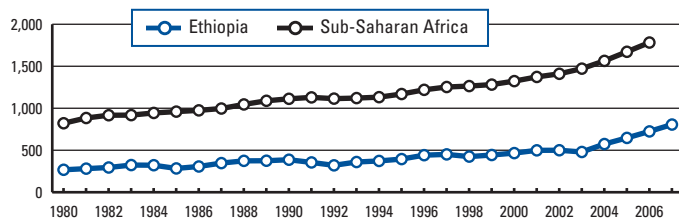
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Ethiopia

## Key indicators

Total population (millions), 2007	81.2
GDP (US\$ billions), 2007	19.4
GDP per capita (US\$), 2007	251.8
GDP (PPP) as share (%) of world total, 2007	0.09

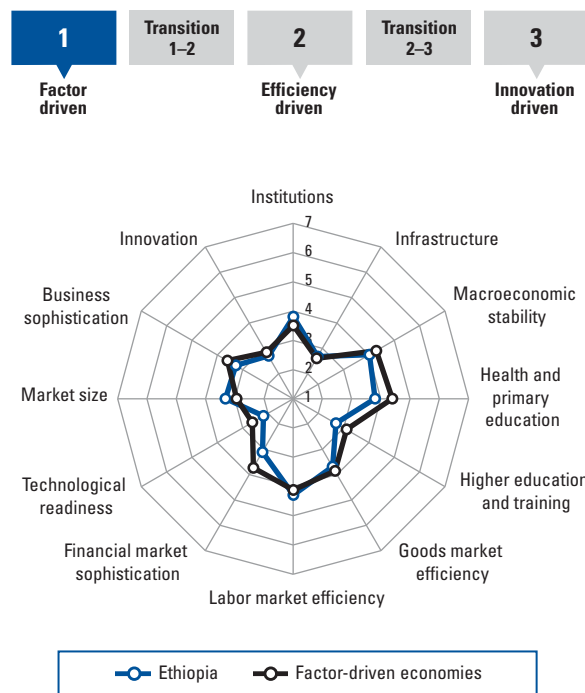
GDP (PPP US\$) per capita, 1980–2007



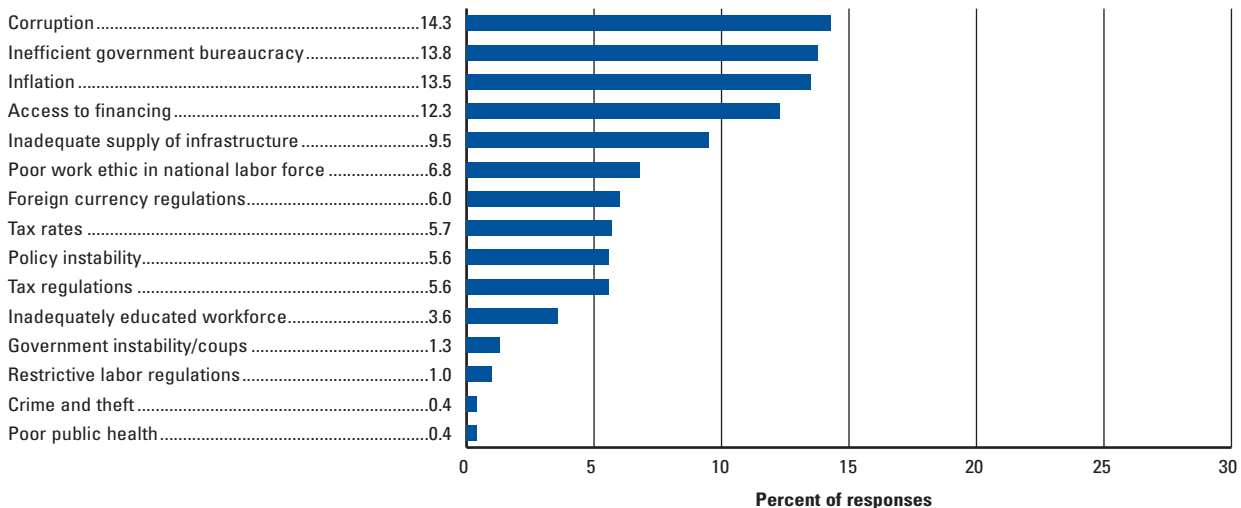
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>121</b>	<b>3.4</b>
GCI 2007–2008 (out of 131)	123	3.3
GCI 2006–2007 (out of 122)	116	3.3
<b>Basic requirements</b>	<b>119</b>	<b>3.6</b>
1st pillar: Institutions	77	3.8
2nd pillar: Infrastructure	103	2.7
3rd pillar: Macroeconomic stability	119	4.0
4th pillar: Health and primary education	123	3.8
<b>Efficiency enhancers</b>	<b>121</b>	<b>3.2</b>
5th pillar: Higher education and training	126	2.7
6th pillar: Goods market efficiency	116	3.7
7th pillar: Labor market efficiency	74	4.3
8th pillar: Financial market sophistication	127	3.1
9th pillar: Technological readiness	132	2.2
10th pillar: Market size	76	3.3
<b>Innovation and sophistication factors</b>	<b>114</b>	<b>3.0</b>
11th pillar: Business sophistication	122	3.3
12th pillar: Innovation	109	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	78 .....	6.01 Intensity of local competition .....	126 .....
1.02 Intellectual property protection .....	81 .....	6.02 Extent of market dominance .....	121 .....
1.03 Diversion of public funds .....	71 .....	6.03 Effectiveness of anti-monopoly policy .....	112 .....
1.04 Public trust of politicians .....	67 .....	6.04 Extent and effect of taxation .....	54 .....
1.05 Judicial independence .....	98 .....	6.05 Total tax rate* .....	20 .....
1.06 Favoritism in decisions of government officials .....	66 .....	6.06 No. of procedures required to start a business* .....	34 .....
1.07 Wastefulness of government spending .....	46 .....	6.07 Time required to start a business* .....	33 .....
1.08 Burden of government regulation .....	26 .....	6.08 Agricultural policy costs .....	71 .....
1.09 Efficiency of legal framework .....	77 .....	6.09 Prevalence of trade barriers .....	119 .....
1.10 Transparency of government policymaking .....	92 .....	6.10 Trade-weighted tariff rate* .....	113 .....
1.11 Business costs of terrorism .....	91 .....	6.11 Prevalence of foreign ownership .....	124 .....
1.12 Business costs of crime and violence .....	54 .....	6.12 Business impact of rules on FDI .....	98 .....
1.13 Organized crime .....	53 .....	6.13 Burden of customs procedures .....	97 .....
1.14 Reliability of police services .....	82 .....	6.14 Degree of customer orientation .....	118 .....
1.15 Ethical behavior of firms .....	86 .....	6.15 Buyer sophistication .....	125 .....
1.16 Strength of auditing and reporting standards .....	114 .....		
1.17 Efficacy of corporate boards .....	113 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	86 .....	7.01 Cooperation in labor-employer relations .....	124 .....
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination .....	74 .....
2.01 Quality of overall infrastructure .....	101 .....	7.03 Non-wage labor costs* .....	1 .....
2.02 Quality of roads .....	92 .....	7.04 Rigidity of employment* .....	57 .....
2.03 Quality of railroad infrastructure .....	99 .....	7.05 Hiring and firing practices .....	62 .....
2.04 Quality of port infrastructure .....	80 .....	7.06 Firing costs* .....	74 .....
2.05 Quality of air transport infrastructure .....	60 .....	7.07 Pay and productivity .....	126 .....
2.06 Available seat kilometers* .....	74 .....	7.08 Reliance on professional management .....	116 .....
2.07 Quality of electricity supply .....	91 .....	7.09 Brain drain .....	111 .....
2.08 Telephone lines* .....	119 .....	7.10 Female participation in labor force* .....	52 .....
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit* .....	106 .....	8.01 Financial market sophistication .....	127 .....
3.02 National savings rate* .....	89 .....	8.02 Financing through local equity market .....	124 .....
3.03 Inflation* .....	131 .....	8.03 Ease of access to loans .....	124 .....
3.04 Interest rate spread* .....	57 .....	8.04 Venture capital availability .....	117 .....
3.05 Government debt* .....	78 .....	8.05 Restriction on capital flows .....	129 .....
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection* .....	86 .....
4.01 Business impact of malaria .....	118 .....	8.07 Soundness of banks .....	128 .....
4.02 Malaria incidence* .....	110 .....	8.08 Regulation of securities exchanges .....	122 .....
4.03 Business impact of tuberculosis .....	123 .....	8.09 Legal rights index* .....	72 .....
4.04 Tuberculosis incidence* .....	123 .....	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS .....	124 .....	9.01 Availability of latest technologies .....	127 .....
4.06 HIV prevalence* .....	117 .....	9.02 Firm-level technology absorption .....	127 .....
4.07 Infant mortality* .....	130 .....	9.03 Laws relating to ICT .....	120 .....
4.08 Life expectancy* .....	116 .....	9.04 FDI and technology transfer .....	119 .....
4.09 Quality of primary education .....	105 .....	9.05 Mobile telephone subscribers* .....	134 .....
4.10 Primary enrollment* .....	123 .....	9.06 Internet users* .....	133 .....
4.11 Education expenditure* .....	75 .....	9.07 Personal computers* .....	123 .....
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers* .....	125 .....
5.01 Secondary enrollment* .....	119 .....	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment* .....	125 .....	10.01 Domestic market size* .....	67 .....
5.03 Quality of the educational system .....	88 .....	10.02 Foreign market size* .....	104 .....
5.04 Quality of math and science education .....	104 .....	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	115 .....	11.01 Local supplier quantity .....	124 .....
5.06 Internet access in schools .....	118 .....	11.02 Local supplier quality .....	124 .....
5.07 Local availability of research and training services .....	114 .....	11.03 State of cluster development .....	90 .....
5.08 Extent of staff training .....	127 .....	11.04 Nature of competitive advantage .....	115 .....
		11.05 Value chain breadth .....	114 .....
		11.06 Control of international distribution .....	62 .....
		11.07 Production process sophistication .....	128 .....
		11.08 Extent of marketing .....	128 .....
		11.09 Willingness to delegate authority .....	98 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	106 .....
		12.02 Quality of scientific research institutions .....	102 .....
		12.03 Company spending on R&D .....	128 .....
		12.04 University-industry research collaboration .....	105 .....
		12.05 Gov't procurement of advanced tech products .....	71 .....
		12.06 Availability of scientists and engineers .....	122 .....
		12.07 Utility patents* .....	85 .....

\* Hard data

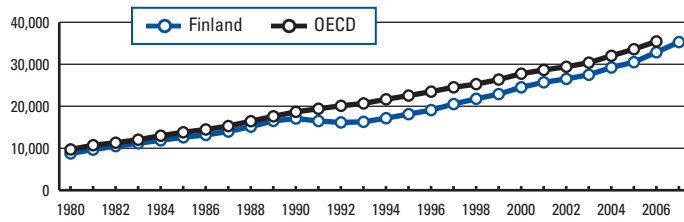
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Finland

## Key indicators

Total population (millions), 2007 .....	5.3
GDP (US\$ billions), 2007 .....	245.0
GDP per capita (US\$), 2007 .....	46,601.9
GDP (PPP) as share (%) of world total, 2007 .....	0.29

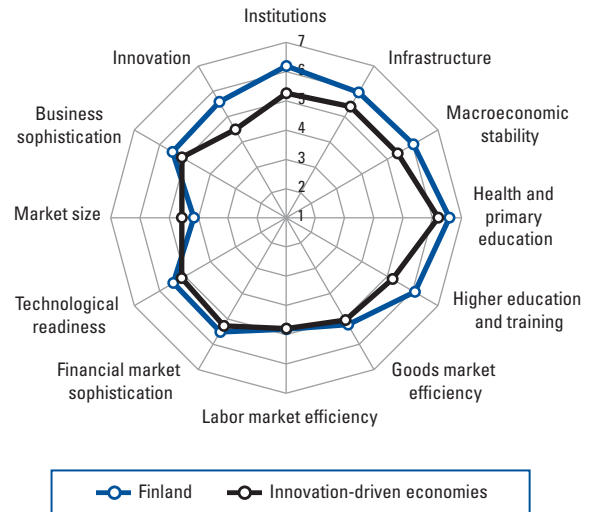
GDP (PPP US\$) per capita, 1980–2007



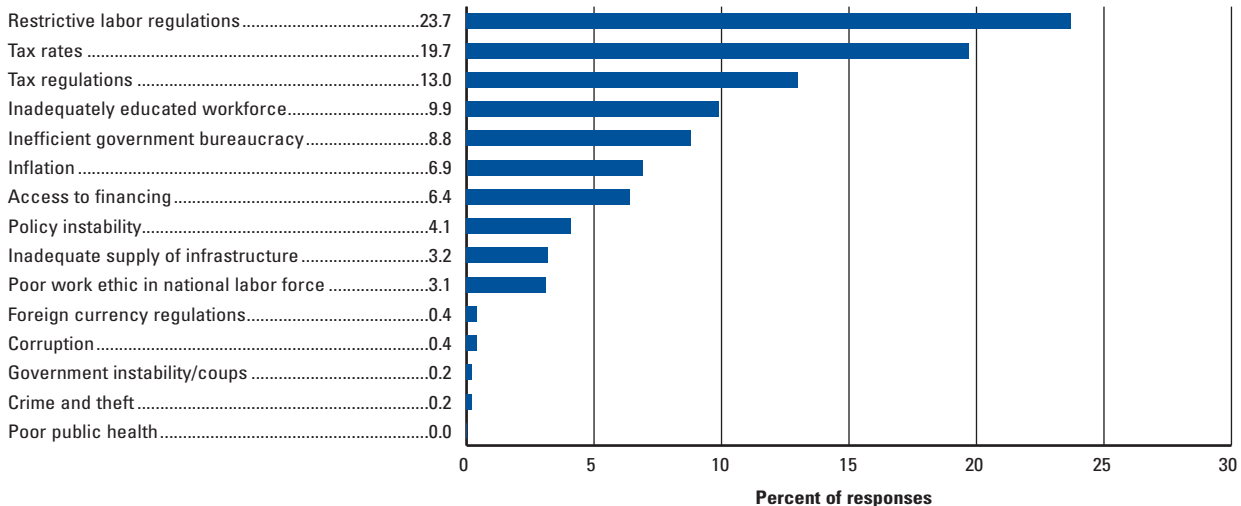
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>6</b>	<b>5.5</b>
GCI 2007–2008 (out of 131) .....	6	5.5
GCI 2006–2007 (out of 122) .....	6	5.5
<b>Basic requirements</b> .....	<b>1</b>	<b>6.2</b>
1st pillar: Institutions .....	2	6.2
2nd pillar: Infrastructure .....	9	5.9
3rd pillar: Macroeconomic stability .....	8	6.0
4th pillar: Health and primary education .....	1	6.6
<b>Efficiency enhancers</b> .....	<b>13</b>	<b>5.2</b>
5th pillar: Higher education and training .....	1	6.1
6th pillar: Goods market efficiency .....	11	5.2
7th pillar: Labor market efficiency .....	23	4.8
8th pillar: Financial market sophistication .....	12	5.5
9th pillar: Technological readiness .....	14	5.5
10th pillar: Market size .....	52	4.2
<b>Innovation and sophistication factors</b> .....	<b>5</b>	<b>5.5</b>
11th pillar: Business sophistication .....	10	5.5
12th pillar: Innovation .....	2	5.6

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	5	6.01 Intensity of local competition	16
1.02 Intellectual property protection	4	6.02 Extent of market dominance	9
1.03 Diversion of public funds	4	6.03 Effectiveness of anti-monopoly policy	6
1.04 Public trust of politicians	3	6.04 Extent and effect of taxation	114
1.05 Judicial independence	2	6.05 Total tax rate*	79
1.06 Favoritism in decisions of government officials	2	6.06 No. of procedures required to start a business*	4
1.07 Wastefulness of government spending	5	6.07 Time required to start a business*	27
1.08 Burden of government regulation	12	6.08 Agricultural policy costs	65
1.09 Efficiency of legal framework	5	6.09 Prevalence of trade barriers	7
1.10 Transparency of government policymaking	5	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	1	6.11 Prevalence of foreign ownership	8
1.12 Business costs of crime and violence	3	6.12 Business impact of rules on FDI	14
1.13 Organized crime	4	6.13 Burden of customs procedures	5
1.14 Reliability of police services	1	6.14 Degree of customer orientation	19
1.15 Ethical behavior of firms	2	6.15 Buyer sophistication	11
1.16 Strength of auditing and reporting standards	6		
1.17 Efficacy of corporate boards	4	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	7	7.01 Cooperation in labor-employer relations	14
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	124
2.01 Quality of overall infrastructure	5	7.03 Non-wage labor costs*	103
2.02 Quality of roads	12	7.04 Rigidity of employment*	99
2.03 Quality of railroad infrastructure	6	7.05 Hiring and firing practices	90
2.04 Quality of port infrastructure	6	7.06 Firing costs*	45
2.05 Quality of air transport infrastructure	8	7.07 Pay and productivity	60
2.06 Available seat kilometers*	45	7.08 Reliance on professional management	6
2.07 Quality of electricity supply	2	7.09 Brain drain	7
2.08 Telephone lines*	34	7.10 Female participation in labor force*	7
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	16	8.01 Financial market sophistication	18
3.02 National savings rate*	36	8.02 Financing through local equity market	20
3.03 Inflation*	12	8.03 Ease of access to loans	2
3.04 Interest rate spread*	5	8.04 Venture capital availability	4
3.05 Government debt*	73	8.05 Restriction on capital flows	9
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	39
4.01 Business impact of malaria	1	8.07 Soundness of banks	12
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	10
4.03 Business impact of tuberculosis	1	8.09 Legal rights index*	29
4.04 Tuberculosis incidence*	3	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	8	9.01 Availability of latest technologies	3
4.06 HIV prevalence*	23	9.02 Firm-level technology absorption	8
4.07 Infant mortality*	4	9.03 Laws relating to ICT	8
4.08 Life expectancy*	22	9.04 FDI and technology transfer	71
4.09 Quality of primary education	1	9.05 Mobile telephone subscribers*	18
4.10 Primary enrollment*	35	9.06 Internet users*	18
4.11 Education expenditure*	18	9.07 Personal computers*	22
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	5
5.01 Secondary enrollment*	9	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	2	10.01 Domestic market size*	50
5.03 Quality of the educational system	1	10.02 Foreign market size*	47
5.04 Quality of math and science education	1	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	9	11.01 Local supplier quantity	24
5.06 Internet access in schools	1	11.02 Local supplier quality	13
5.07 Local availability of research and training services	4	11.03 State of cluster development	6
5.08 Extent of staff training	11	11.04 Nature of competitive advantage	6
		11.05 Value chain breadth	7
		11.06 Control of international distribution	14
		11.07 Production process sophistication	6
		11.08 Extent of marketing	34
		11.09 Willingness to delegate authority	7
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	5
		12.02 Quality of scientific research institutions	9
		12.03 Company spending on R&D	9
		12.04 University-industry research collaboration	4
		12.05 Gov't procurement of advanced tech products	7
		12.06 Availability of scientists and engineers	1
		12.07 Utility patents*	4

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

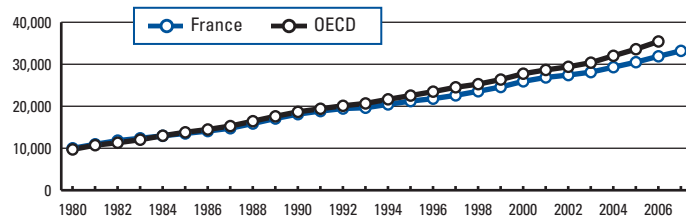


# France

## Key indicators

Total population (millions), 2007 .....	60.9
GDP (US\$ billions), 2007 .....	2,560.3
GDP per capita (US\$), 2007 .....	41,511.2
GDP (PPP) as share (%) of world total, 2007 .....	3.17

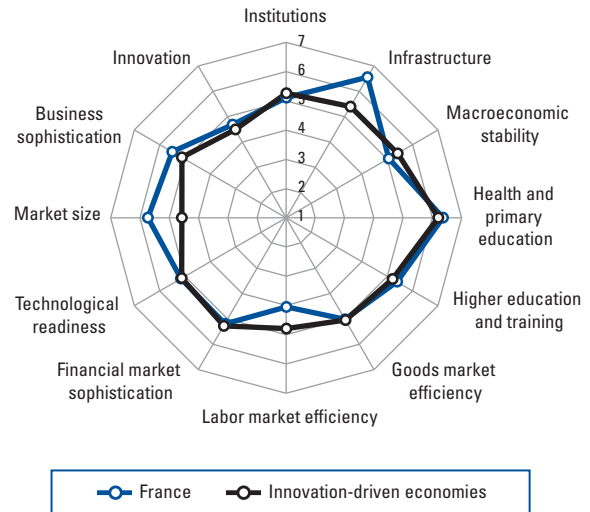
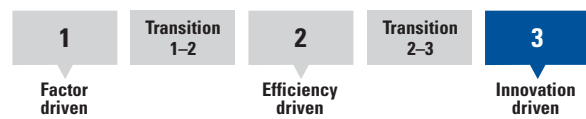
GDP (PPP US\$) per capita, 1980–2007



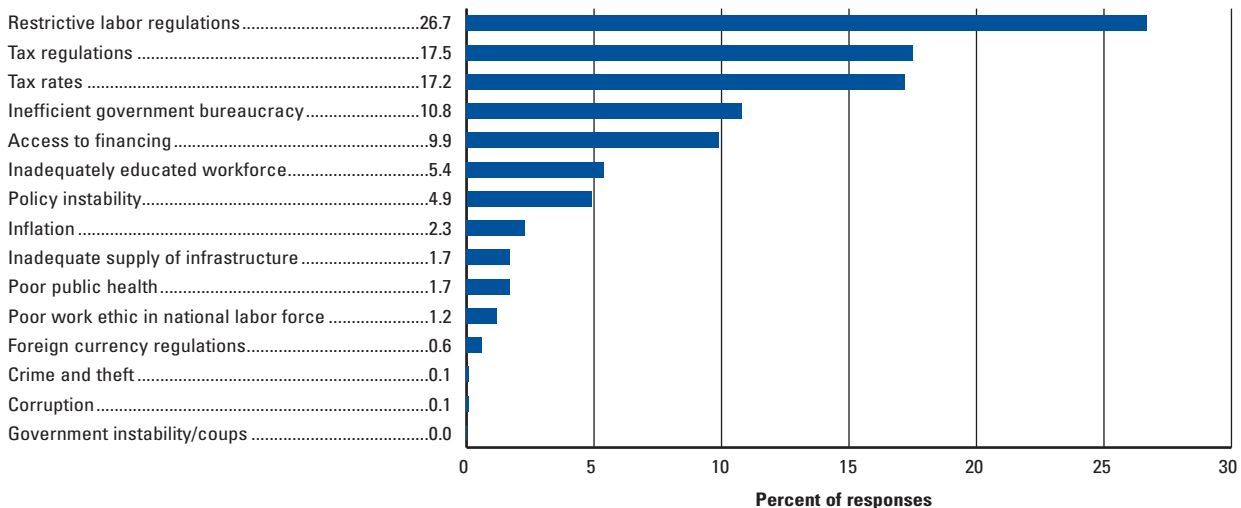
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>16</b>	<b>5.2</b>
GCI 2007–2008 (out of 131) .....	18	5.2
GCI 2006–2007 (out of 122) .....	15	5.2
<b>Basic requirements</b> .....	<b>13</b>	<b>5.8</b>
1st pillar: Institutions .....	23	5.1
2nd pillar: Infrastructure .....	2	6.5
3rd pillar: Macroeconomic stability .....	65	5.0
4th pillar: Health and primary education .....	9	6.4
<b>Efficiency enhancers</b> .....	<b>16</b>	<b>5.1</b>
5th pillar: Higher education and training .....	16	5.4
6th pillar: Goods market efficiency .....	21	5.0
7th pillar: Labor market efficiency .....	105	4.1
8th pillar: Financial market sophistication .....	25	5.2
9th pillar: Technological readiness .....	20	5.2
10th pillar: Market size .....	7	5.7
<b>Innovation and sophistication factors</b> .....	<b>14</b>	<b>5.1</b>
11th pillar: Business sophistication .....	9	5.5
12th pillar: Innovation .....	16	4.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	18 .....	6.01 Intensity of local competition .....	12 .....
1.02 Intellectual property protection .....	7 .....	6.02 Extent of market dominance .....	13 .....
1.03 Diversion of public funds .....	29 .....	6.03 Effectiveness of anti-monopoly policy .....	11 .....
1.04 Public trust of politicians .....	30 .....	6.04 Extent and effect of taxation .....	99 .....
1.05 Judicial independence .....	29 .....	6.05 Total tax rate* .....	115 .....
1.06 Favoritism in decisions of government officials .....	21 .....	6.06 No. of procedures required to start a business* .....	9 .....
1.07 Wastefulness of government spending .....	37 .....	6.07 Time required to start a business* .....	9 .....
1.08 Burden of government regulation .....	126 .....	6.08 Agricultural policy costs .....	66 .....
1.09 Efficiency of legal framework .....	16 .....	6.09 Prevalence of trade barriers .....	27 .....
1.10 Transparency of government policymaking .....	33 .....	6.10 Trade-weighted tariff rate* .....	5 .....
1.11 Business costs of terrorism .....	69 .....	6.11 Prevalence of foreign ownership .....	46 .....
1.12 Business costs of crime and violence .....	52 .....	6.12 Business impact of rules on FDI .....	65 .....
1.13 Organized crime .....	42 .....	6.13 Burden of customs procedures .....	29 .....
1.14 Reliability of police services .....	19 .....	6.14 Degree of customer orientation .....	25 .....
1.15 Ethical behavior of firms .....	25 .....	6.15 Buyer sophistication .....	18 .....
1.16 Strength of auditing and reporting standards .....	22 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	20 .....	7.01 Cooperation in labor-employer relations .....	132 .....
1.18 Protection of minority shareholders' interests .....	36 .....	7.02 Flexibility of wage determination .....	103 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	127 .....
2.01 Quality of overall infrastructure .....	4 .....	7.04 Rigidity of employment* .....	114 .....
2.02 Quality of roads .....	1 .....	7.05 Hiring and firing practices .....	126 .....
2.03 Quality of railroad infrastructure .....	2 .....	7.06 Firing costs* .....	57 .....
2.04 Quality of port infrastructure .....	10 .....	7.07 Pay and productivity .....	82 .....
2.05 Quality of air transport infrastructure .....	5 .....	7.08 Reliance on professional management .....	21 .....
2.06 Available seat kilometers* .....	6 .....	7.09 Brain drain .....	41 .....
2.07 Quality of electricity supply .....	4 .....	7.10 Female participation in labor force* .....	37 .....
2.08 Telephone lines* .....	9 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	15 .....
3.01 Government surplus/deficit* .....	95 .....	8.02 Financing through local equity market .....	36 .....
3.02 National savings rate* .....	73 .....	8.03 Ease of access to loans .....	51 .....
3.03 Inflation* .....	13 .....	8.04 Venture capital availability .....	31 .....
3.04 Interest rate spread* .....	37 .....	8.05 Restriction on capital flows .....	40 .....
3.05 Government debt* .....	106 .....	8.06 Strength of investor protection* .....	50 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	19 .....
4.01 Business impact of malaria .....	31 .....	8.08 Regulation of securities exchanges .....	8 .....
4.02 Malaria incidence* .....	1 .....	8.09 Legal rights index* .....	29 .....
4.03 Business impact of tuberculosis .....	25 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	29 .....	9.01 Availability of latest technologies .....	11 .....
4.05 Business impact of HIV/AIDS .....	40 .....	9.02 Firm-level technology absorption .....	23 .....
4.06 HIV prevalence* .....	74 .....	9.03 Laws relating to ICT .....	16 .....
4.07 Infant mortality* .....	10 .....	9.04 FDI and technology transfer .....	54 .....
4.08 Life expectancy* .....	5 .....	9.05 Mobile telephone subscribers* .....	45 .....
4.09 Quality of primary education .....	8 .....	9.06 Internet users* .....	26 .....
4.10 Primary enrollment* .....	13 .....	9.07 Personal computers* .....	11 .....
4.11 Education expenditure* .....	34 .....	9.08 Broadband Internet subscribers* .....	14 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	7 .....	10.01 Domestic market size* .....	7 .....
5.02 Tertiary enrollment* .....	30 .....	10.02 Foreign market size* .....	10 .....
5.03 Quality of the educational system .....	20 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	4 .....	11.01 Local supplier quantity .....	7 .....
5.05 Quality of management schools .....	1 .....	11.02 Local supplier quality .....	10 .....
5.06 Internet access in schools .....	31 .....	11.03 State of cluster development .....	23 .....
5.07 Local availability of research and training services .....	8 .....	11.04 Nature of competitive advantage .....	10 .....
5.08 Extent of staff training .....	24 .....	11.05 Value chain breadth .....	3 .....
		11.06 Control of international distribution .....	1 .....
		11.07 Production process sophistication .....	7 .....
		11.08 Extent of marketing .....	2 .....
		11.09 Willingness to delegate authority .....	35 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	8 .....
		12.02 Quality of scientific research institutions .....	16 .....
		12.03 Company spending on R&D .....	13 .....
		12.04 University-industry research collaboration .....	32 .....
		12.05 Gov't procurement of advanced tech products .....	19 .....
		12.06 Availability of scientists and engineers .....	5 .....
		12.07 Utility patents* .....	20 .....

\* Hard data

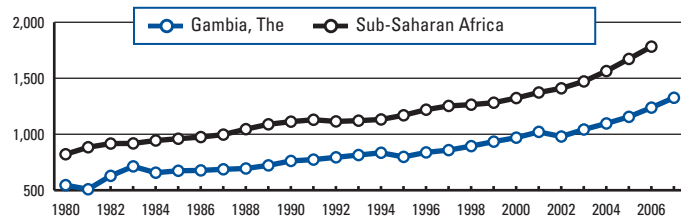
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Gambia, The

## Key indicators

Total population (millions), 2007	1.6
GDP (US\$ billions), 2007	0.7
GDP per capita (US\$), 2007	411.3
GDP (PPP) as share (%) of world total, 2007	0.00

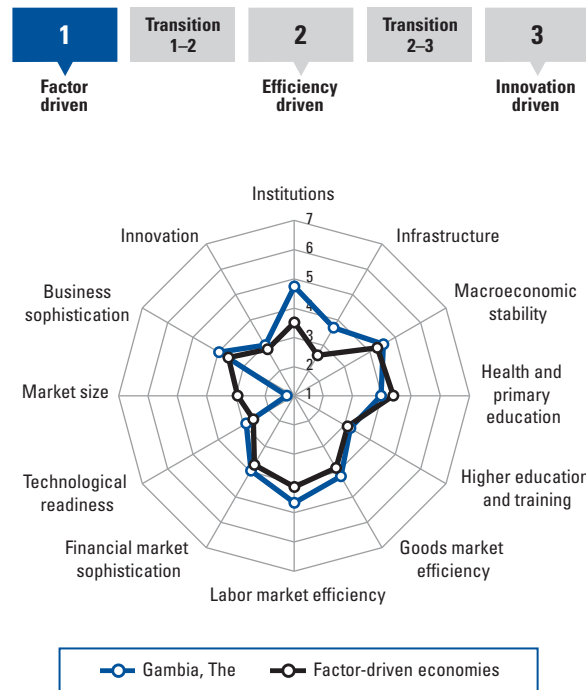
GDP (PPP US\$) per capita, 1980–2007



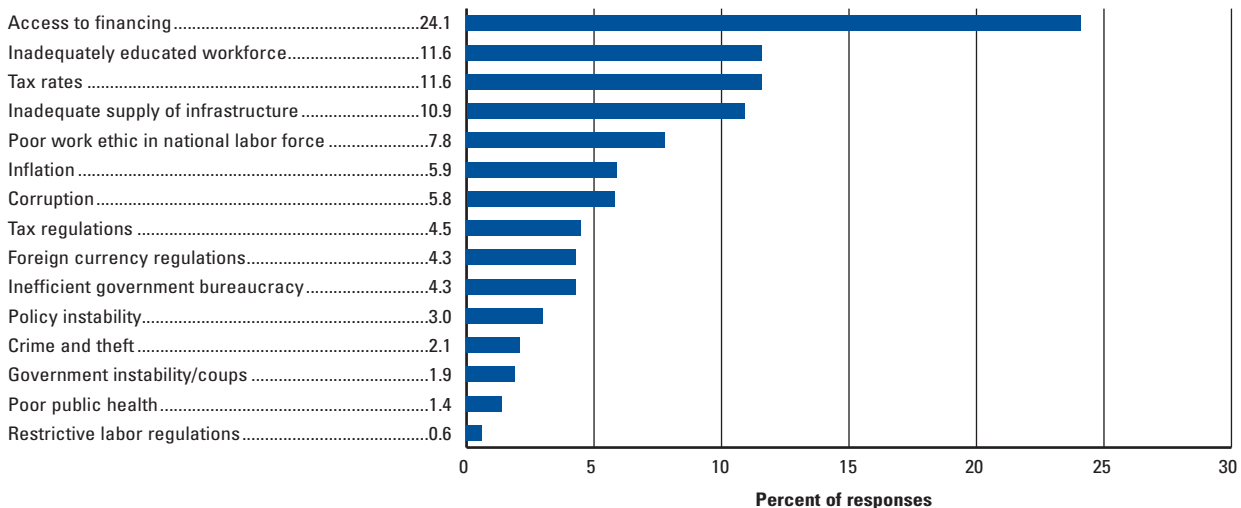
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>87</b>	<b>3.9</b>
GCI 2007–2008 (out of 131)	102	3.6
GCI 2006–2007 (out of 122)	102	3.5
<b>Basic requirements</b>	<b>81</b>	<b>4.2</b>
1st pillar: Institutions	38	4.7
2nd pillar: Infrastructure	62	3.7
3rd pillar: Macroeconomic stability	99	4.5
4th pillar: Health and primary education	119	4.0
<b>Efficiency enhancers</b>	<b>107</b>	<b>3.4</b>
5th pillar: Higher education and training	105	3.2
6th pillar: Goods market efficiency	68	4.2
7th pillar: Labor market efficiency	38	4.7
8th pillar: Financial market sophistication	87	4.0
9th pillar: Technological readiness	91	2.9
10th pillar: Market size	132	1.3
<b>Innovation and sophistication factors</b>	<b>78</b>	<b>3.5</b>
11th pillar: Business sophistication	74	4.0
12th pillar: Innovation	81	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	56 .....
1.02 Intellectual property protection .....	49 .....
1.03 Diversion of public funds .....	42 .....
1.04 Public trust of politicians .....	27 .....
1.05 Judicial independence .....	46 .....
1.06 Favoritism in decisions of government officials .....	27 .....
1.07 Wastefulness of government spending .....	14 .....
1.08 Burden of government regulation .....	4 .....
1.09 Efficiency of legal framework .....	40 .....
1.10 Transparency of government policymaking .....	24 .....
1.11 Business costs of terrorism .....	42 .....
1.12 Business costs of crime and violence .....	33 .....
1.13 Organized crime .....	37 .....
1.14 Reliability of police services .....	38 .....
1.15 Ethical behavior of firms .....	49 .....
1.16 Strength of auditing and reporting standards .....	70 .....
1.17 Efficacy of corporate boards .....	34 .....
1.18 Protection of minority shareholders' interests .....	43 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	52 .....
2.02 Quality of roads .....	56 .....
2.03 Quality of railroad infrastructure .....	n/a .....
2.04 Quality of port infrastructure .....	62 .....
2.05 Quality of air transport infrastructure .....	71 .....
2.06 Available seat kilometers* .....	129 .....
2.07 Quality of electricity supply .....	76 .....
2.08 Telephone lines* .....	109 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	36 .....
3.02 National savings rate* .....	90 .....
3.03 Inflation* .....	65 .....
3.04 Interest rate spread* .....	124 .....
3.05 Government debt* .....	88 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	120 .....
4.02 Malaria incidence* .....	122 .....
4.03 Business impact of tuberculosis .....	100 .....
4.04 Tuberculosis incidence* .....	112 .....
4.05 Business impact of HIV/AIDS .....	92 .....
4.06 HIV prevalence* .....	100 .....
4.07 Infant mortality* .....	124 .....
4.08 Life expectancy* .....	111 .....
4.09 Quality of primary education .....	52 .....
4.10 Primary enrollment* .....	126 .....
4.11 Education expenditure* .....	116 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	111 .....
5.02 Tertiary enrollment* .....	133 .....
5.03 Quality of the educational system .....	34 .....
5.04 Quality of math and science education .....	95 .....
5.05 Quality of management schools .....	66 .....
5.06 Internet access in schools .....	94 .....
5.07 Local availability of research and training services .....	93 .....
5.08 Extent of staff training .....	53 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	85 .....
6.02 Extent of market dominance .....	45 .....
6.03 Effectiveness of anti-monopoly policy .....	39 .....
6.04 Extent and effect of taxation .....	35 .....
6.05 Total tax rate* .....	128 .....
6.06 No. of procedures required to start a business* .....	58 .....
6.07 Time required to start a business* .....	75 .....
6.08 Agricultural policy costs .....	18 .....
6.09 Prevalence of trade barriers .....	66 .....
6.10 Trade-weighted tariff rate* .....	129 .....
6.11 Prevalence of foreign ownership .....	15 .....
6.12 Business impact of rules on FDI .....	13 .....
6.13 Burden of customs procedures .....	31 .....
6.14 Degree of customer orientation .....	66 .....
6.15 Buyer sophistication .....	101 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	15 .....
7.02 Flexibility of wage determination .....	19 .....
7.03 Non-wage labor costs* .....	35 .....
7.04 Rigidity of employment* .....	29 .....
7.05 Hiring and firing practices .....	22 .....
7.06 Firing costs* .....	15 .....
7.07 Pay and productivity .....	35 .....
7.08 Reliance on professional management .....	32 .....
7.09 Brain drain .....	87 .....
7.10 Female participation in labor force* .....	82 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	81 .....
8.02 Financing through local equity market .....	109 .....
8.03 Ease of access to loans .....	78 .....
8.04 Venture capital availability .....	80 .....
8.05 Restriction on capital flows .....	50 .....
8.06 Strength of investor protection* .....	123 .....
8.07 Soundness of banks .....	53 .....
8.08 Regulation of securities exchanges .....	90 .....
8.09 Legal rights index* .....	72 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	74 .....
9.02 Firm-level technology absorption .....	67 .....
9.03 Laws relating to ICT .....	75 .....
9.04 FDI and technology transfer .....	65 .....
9.05 Mobile telephone subscribers* .....	101 .....
9.06 Internet users* .....	105 .....
9.07 Personal computers* .....	104 .....
9.08 Broadband Internet subscribers* .....	118 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	133 .....
10.02 Foreign market size* .....	131 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	88 .....
11.02 Local supplier quality .....	74 .....
11.03 State of cluster development .....	57 .....
11.04 Nature of competitive advantage .....	73 .....
11.05 Value chain breadth .....	83 .....
11.06 Control of international distribution .....	59 .....
11.07 Production process sophistication .....	102 .....
11.08 Extent of marketing .....	107 .....
11.09 Willingness to delegate authority .....	45 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	82 .....
12.02 Quality of scientific research institutions .....	71 .....
12.03 Company spending on R&D .....	112 .....
12.04 University-industry research collaboration .....	87 .....
12.05 Gov't procurement of advanced tech products .....	39 .....
12.06 Availability of scientists and engineers .....	119 .....
12.07 Utility patents* .....	88 .....

\* Hard data

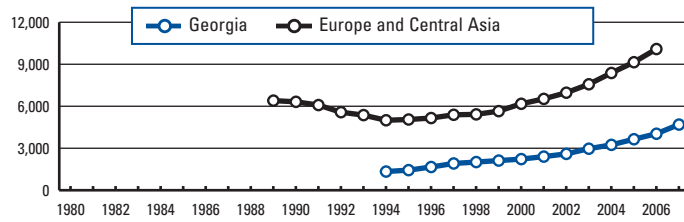
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Georgia

## Key indicators

Total population (millions), 2007	4.4
GDP (US\$ billions), 2007	10.3
GDP per capita (US\$), 2007	2,355.2
GDP (PPP) as share (%) of world total, 2007	0.03

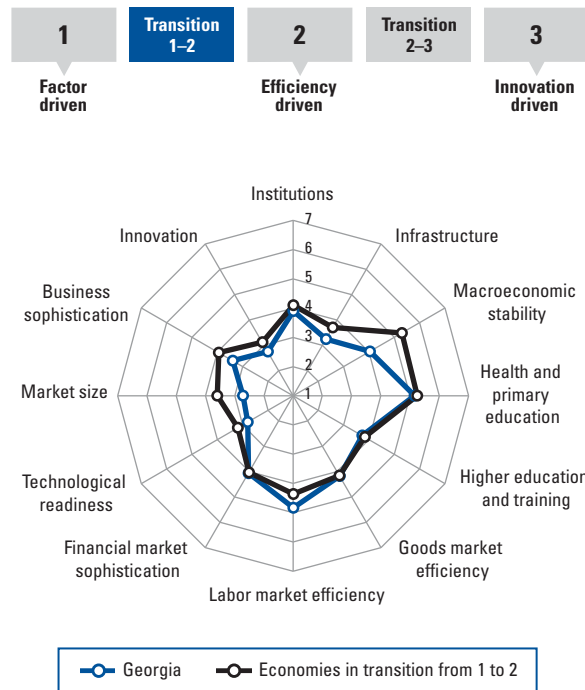
GDP (PPP US\$) per capita, 1980–2007



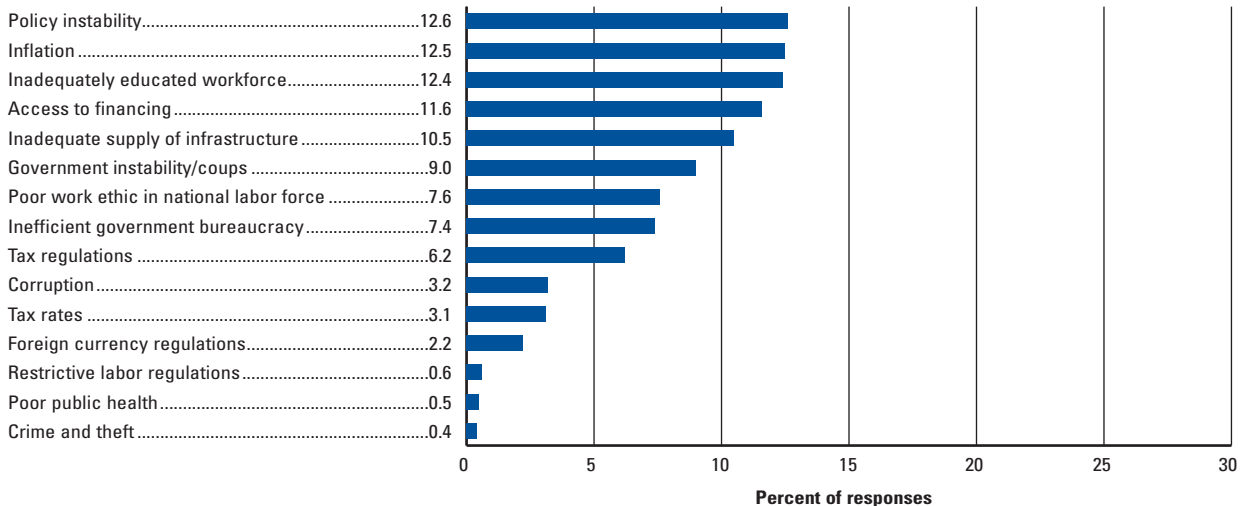
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>90</b>	<b>3.9</b>
GCI 2007–2008 (out of 131)	90	3.8
GCI 2006–2007 (out of 122)	87	3.7
<b>Basic requirements</b>	<b>91</b>	<b>4.1</b>
1st pillar: Institutions	69	3.9
2nd pillar: Infrastructure	77	3.2
3rd pillar: Macroeconomic stability	118	4.0
4th pillar: Health and primary education	91	5.1
<b>Efficiency enhancers</b>	<b>87</b>	<b>3.7</b>
5th pillar: Higher education and training	84	3.7
6th pillar: Goods market efficiency	71	4.2
7th pillar: Labor market efficiency	22	4.8
8th pillar: Financial market sophistication	79	4.1
9th pillar: Technological readiness	97	2.8
10th pillar: Market size	102	2.7
<b>Innovation and sophistication factors</b>	<b>109</b>	<b>3.1</b>
11th pillar: Business sophistication	112	3.4
12th pillar: Innovation	107	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	109
1.02 Intellectual property protection	106
1.03 Diversion of public funds	45
1.04 Public trust of politicians	53
1.05 Judicial independence	112
1.06 Favoritism in decisions of government officials	51
1.07 Wastefulness of government spending	47
1.08 Burden of government regulation	6
1.09 Efficiency of legal framework	100
1.10 Transparency of government policymaking	86
1.11 Business costs of terrorism	50
1.12 Business costs of crime and violence	39
1.13 Organized crime	62
1.14 Reliability of police services	39
1.15 Ethical behavior of firms	85
1.16 Strength of auditing and reporting standards	88
1.17 Efficacy of corporate boards	98
1.18 Protection of minority shareholders' interests	123
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	80
2.02 Quality of roads	68
2.03 Quality of railroad infrastructure	38
2.04 Quality of port infrastructure	67
2.05 Quality of air transport infrastructure	86
2.06 Available seat kilometers*	110
2.07 Quality of electricity supply	78
2.08 Telephone lines*	83
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	119
3.02 National savings rate*	111
3.03 Inflation*	111
3.04 Interest rate spread*	116
3.05 Government debt*	36
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	45
4.02 Malaria incidence*	77
4.03 Business impact of tuberculosis	61
4.04 Tuberculosis incidence*	81
4.05 Business impact of HIV/AIDS	42
4.06 HIV prevalence*	23
4.07 Infant mortality*	98
4.08 Life expectancy*	83
4.09 Quality of primary education	81
4.10 Primary enrollment*	91
4.11 Education expenditure*	104
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	73
5.02 Tertiary enrollment*	55
5.03 Quality of the educational system	83
5.04 Quality of math and science education	75
5.05 Quality of management schools	110
5.06 Internet access in schools	61
5.07 Local availability of research and training services	117
5.08 Extent of staff training	73

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	114
6.02 Extent of market dominance	95
6.03 Effectiveness of anti-monopoly policy	111
6.04 Extent and effect of taxation	24
6.05 Total tax rate*	52
6.06 No. of procedures required to start a business*	9
6.07 Time required to start a business*	19
6.08 Agricultural policy costs	75
6.09 Prevalence of trade barriers	28
6.10 Trade-weighted tariff rate*	4
6.11 Prevalence of foreign ownership	53
6.12 Business impact of rules on FDI	60
6.13 Burden of customs procedures	65
6.14 Degree of customer orientation	103
6.15 Buyer sophistication	86
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	48
7.02 Flexibility of wage determination	17
7.03 Non-wage labor costs*	85
7.04 Rigidity of employment*	8
7.05 Hiring and firing practices	5
7.06 Firing costs*	7
7.07 Pay and productivity	39
7.08 Reliance on professional management	68
7.09 Brain drain	76
7.10 Female participation in labor force*	89
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	94
8.02 Financing through local equity market	107
8.03 Ease of access to loans	82
8.04 Venture capital availability	88
8.05 Restriction on capital flows	33
8.06 Strength of investor protection*	26
8.07 Soundness of banks	83
8.08 Regulation of securities exchanges	103
8.09 Legal rights index*	52
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	89
9.02 Firm-level technology absorption	108
9.03 Laws relating to ICT	94
9.04 FDI and technology transfer	90
9.05 Mobile telephone subscribers*	88
9.06 Internet users*	97
9.07 Personal computers*	85
9.08 Broadband Internet subscribers*	78
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	101
10.02 Foreign market size*	106
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	131
11.02 Local supplier quality	131
11.03 State of cluster development	91
11.04 Nature of competitive advantage	79
11.05 Value chain breadth	92
11.06 Control of international distribution	111
11.07 Production process sophistication	84
11.08 Extent of marketing	97
11.09 Willingness to delegate authority	87
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	97
12.02 Quality of scientific research institutions	113
12.03 Company spending on R&D	121
12.04 University-industry research collaboration	109
12.05 Gov't procurement of advanced tech products	93
12.06 Availability of scientists and engineers	84
12.07 Utility patents*	44

\* Hard data

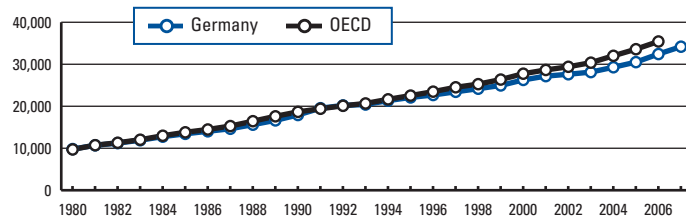
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Germany

## Key indicators

Total population (millions), 2007 .....	82.7
GDP (US\$ billions), 2007 .....	3,322.1
GDP per capita (US\$), 2007 .....	40,415.4
GDP (PPP) as share (%) of world total, 2007 .....	4.34

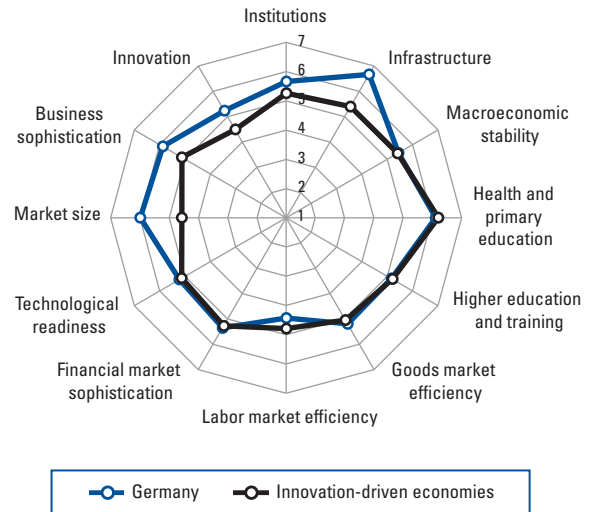
GDP (PPP US\$) per capita, 1980–2007



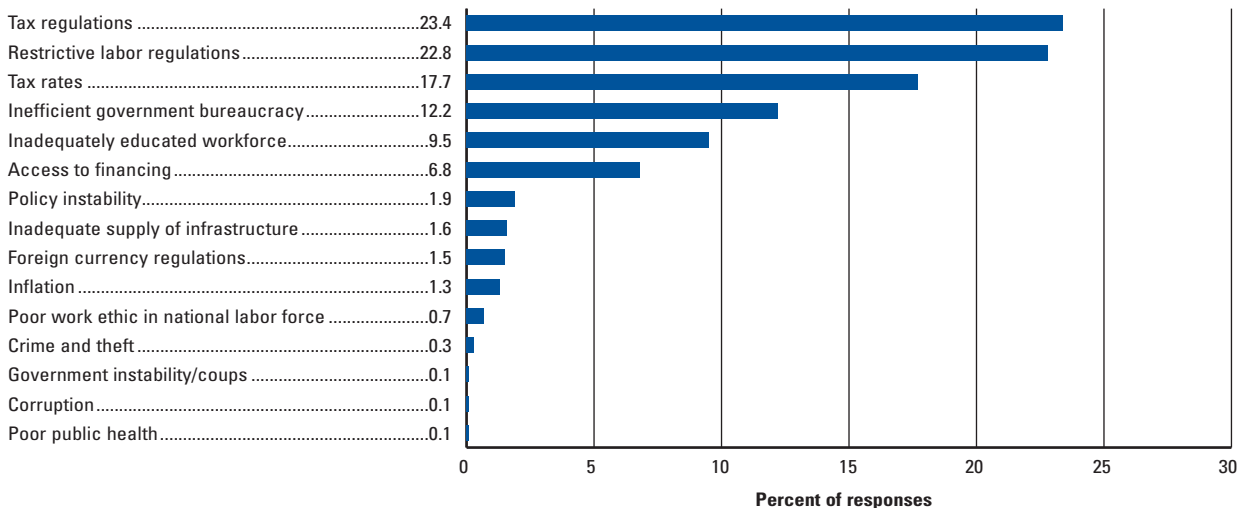
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>7</b>	<b>5.5</b>
GCI 2007–2008 (out of 131) .....	5	5.5
GCI 2006–2007 (out of 122) .....	7	5.5
<b>Basic requirements</b> .....	<b>7</b>	<b>6.0</b>
1st pillar: Institutions .....	14	5.7
2nd pillar: Infrastructure .....	1	6.6
3rd pillar: Macroeconomic stability .....	40	5.4
4th pillar: Health and primary education .....	24	6.1
<b>Efficiency enhancers</b> .....	<b>11</b>	<b>5.2</b>
5th pillar: Higher education and training .....	21	5.2
6th pillar: Goods market efficiency .....	15	5.2
7th pillar: Labor market efficiency .....	58	4.4
8th pillar: Financial market sophistication .....	19	5.3
9th pillar: Technological readiness .....	18	5.2
10th pillar: Market size .....	4	6.0
<b>Innovation and sophistication factors</b> .....	<b>4</b>	<b>5.5</b>
11th pillar: Business sophistication .....	1	5.9
12th pillar: Innovation .....	8	5.2

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	6	6.01 Intensity of local competition .....	1
1.02 Intellectual property protection .....	6	6.02 Extent of market dominance .....	1
1.03 Diversion of public funds .....	13	6.03 Effectiveness of anti-monopoly policy .....	2
1.04 Public trust of politicians .....	21	6.04 Extent and effect of taxation .....	105
1.05 Judicial independence .....	4	6.05 Total tax rate* .....	89
1.06 Favoritism in decisions of government officials .....	11	6.06 No. of procedures required to start a business* .....	58
1.07 Wastefulness of government spending .....	27	6.07 Time required to start a business* .....	38
1.08 Burden of government regulation .....	77	6.08 Agricultural policy costs .....	84
1.09 Efficiency of legal framework .....	4	6.09 Prevalence of trade barriers .....	31
1.10 Transparency of government policymaking .....	22	6.10 Trade-weighted tariff rate* .....	5
1.11 Business costs of terrorism .....	62	6.11 Prevalence of foreign ownership .....	31
1.12 Business costs of crime and violence .....	19	6.12 Business impact of rules on FDI .....	46
1.13 Organized crime .....	31	6.13 Burden of customs procedures .....	21
1.14 Reliability of police services .....	4	6.14 Degree of customer orientation .....	14
1.15 Ethical behavior of firms .....	15	6.15 Buyer sophistication .....	16
1.16 Strength of auditing and reporting standards .....	14		
1.17 Efficacy of corporate boards .....	13	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	5	7.01 Cooperation in labor-employer relations .....	27
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination .....	131
2.01 Quality of overall infrastructure .....	3	7.03 Non-wage labor costs* .....	80
2.02 Quality of roads .....	4	7.04 Rigidity of employment* .....	87
2.03 Quality of railroad infrastructure .....	4	7.05 Hiring and firing practices .....	130
2.04 Quality of port infrastructure .....	4	7.06 Firing costs* .....	93
2.05 Quality of air transport infrastructure .....	3	7.07 Pay and productivity .....	51
2.06 Available seat kilometers* .....	5	7.08 Reliance on professional management .....	9
2.07 Quality of electricity supply .....	8	7.09 Brain drain .....	26
2.08 Telephone lines* .....	2	7.10 Female participation in labor force* .....	34
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit* .....	58	8.01 Financial market sophistication .....	14
3.02 National savings rate* .....	60	8.02 Financing through local equity market .....	50
3.03 Inflation* .....	32	8.03 Ease of access to loans .....	46
3.04 Interest rate spread* .....	10	8.04 Venture capital availability .....	33
3.05 Government debt* .....	105	8.05 Restriction on capital flows .....	8
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection* .....	67
4.01 Business impact of malaria .....	16	8.07 Soundness of banks .....	39
4.02 Malaria incidence* .....	1	8.08 Regulation of securities exchanges .....	15
4.03 Business impact of tuberculosis .....	23	8.09 Legal rights index* .....	8
4.04 Tuberculosis incidence* .....	8	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS .....	16	9.01 Availability of latest technologies .....	8
4.06 HIV prevalence* .....	23	9.02 Firm-level technology absorption .....	12
4.07 Infant mortality* .....	10	9.03 Laws relating to ICT .....	13
4.08 Life expectancy* .....	12	9.04 FDI and technology transfer .....	61
4.09 Quality of primary education .....	36	9.05 Mobile telephone subscribers* .....	26
4.10 Primary enrollment* .....	17	9.06 Internet users* .....	30
4.11 Education expenditure* .....	52	9.07 Personal computers* .....	12
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers* .....	23
5.01 Secondary enrollment* .....	25	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment* .....	43	10.01 Domestic market size* .....	5
5.03 Quality of the educational system .....	23	10.02 Foreign market size* .....	3
5.04 Quality of math and science education .....	44	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	21	11.01 Local supplier quantity .....	2
5.06 Internet access in schools .....	30	11.02 Local supplier quality .....	2
5.07 Local availability of research and training services .....	5	11.03 State of cluster development .....	10
5.08 Extent of staff training .....	12	11.04 Nature of competitive advantage .....	1
		11.05 Value chain breadth .....	4
		11.06 Control of international distribution .....	2
		11.07 Production process sophistication .....	3
		11.08 Extent of marketing .....	4
		11.09 Willingness to delegate authority .....	10
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	1
		12.02 Quality of scientific research institutions .....	6
		12.03 Company spending on R&D .....	5
		12.04 University-industry research collaboration .....	6
		12.05 Gov't procurement of advanced tech products .....	34
		12.06 Availability of scientists and engineers .....	26
		12.07 Utility patents* .....	9

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

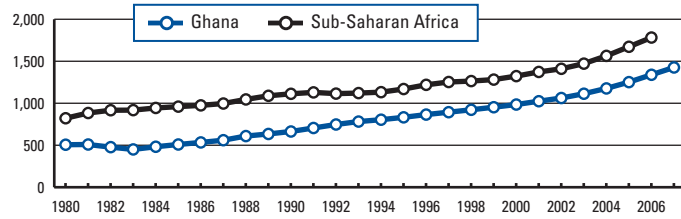


# Ghana

## Key indicators

Total population (millions), 2007 .....	23.0
GDP (US\$ billions), 2007 .....	14.9
GDP per capita (US\$), 2007 .....	676.5
GDP (PPP) as share (%) of world total, 2007 .....	0.05

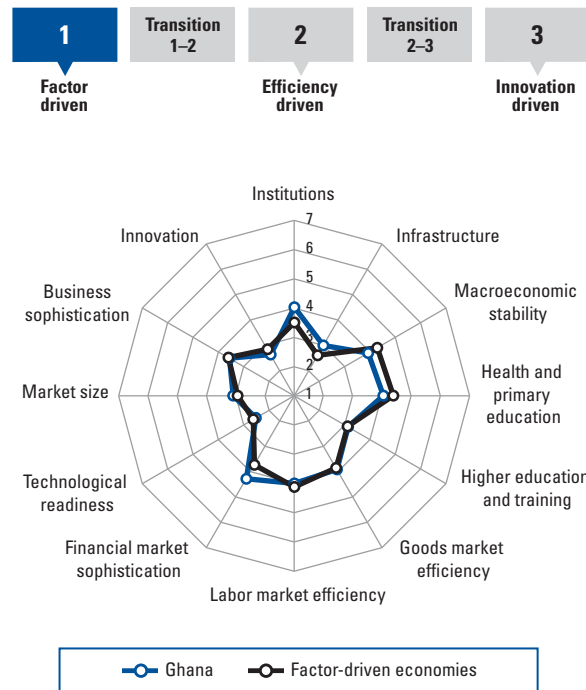
GDP (PPP US\$) per capita, 1980–2007



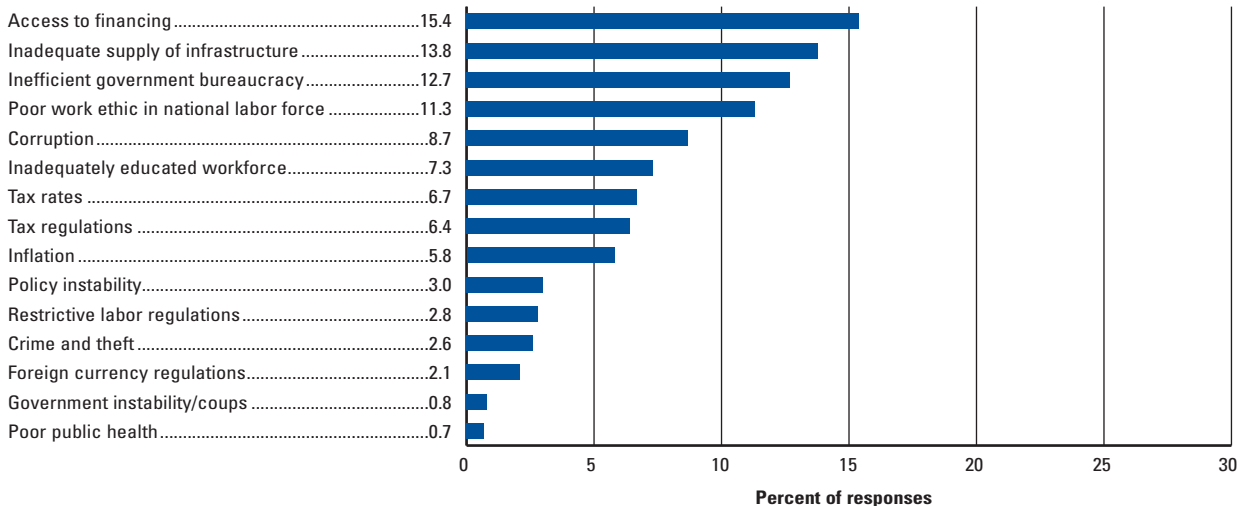
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>102</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	n/a	n/a
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>106</b>	<b>3.7</b>
1st pillar: Institutions .....	63	4.0
2nd pillar: Infrastructure .....	82	3.0
3rd pillar: Macroeconomic stability .....	121	3.9
4th pillar: Health and primary education .....	115	4.0
<b>Efficiency enhancers</b> .....	<b>95</b>	<b>3.5</b>
5th pillar: Higher education and training .....	111	3.1
6th pillar: Goods market efficiency .....	97	3.9
7th pillar: Labor market efficiency .....	108	4.0
8th pillar: Financial market sophistication .....	69	4.3
9th pillar: Technological readiness .....	115	2.5
10th pillar: Market size .....	86	3.1
<b>Innovation and sophistication factors</b> .....	<b>107</b>	<b>3.1</b>
11th pillar: Business sophistication .....	98	3.6
12th pillar: Innovation .....	114	2.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	74	6.01 Intensity of local competition .....	61
1.02 Intellectual property protection .....	80	6.02 Extent of market dominance .....	58
1.03 Diversion of public funds .....	93	6.03 Effectiveness of anti-monopoly policy .....	122
1.04 Public trust of politicians .....	52	6.04 Extent and effect of taxation .....	51
1.05 Judicial independence .....	70	6.05 Total tax rate* .....	28
1.06 Favoritism in decisions of government officials .....	107	6.06 No. of procedures required to start a business* .....	91
1.07 Wastefulness of government spending .....	66	6.07 Time required to start a business* .....	94
1.08 Burden of government regulation .....	70	6.08 Agricultural policy costs .....	78
1.09 Efficiency of legal framework .....	44	6.09 Prevalence of trade barriers .....	14
1.10 Transparency of government policymaking .....	84	6.10 Trade-weighted tariff rate* .....	104
1.11 Business costs of terrorism .....	18	6.11 Prevalence of foreign ownership .....	29
1.12 Business costs of crime and violence .....	63	6.12 Business impact of rules on FDI .....	35
1.13 Organized crime .....	45	6.13 Burden of customs procedures .....	90
1.14 Reliability of police services .....	89	6.14 Degree of customer orientation .....	116
1.15 Ethical behavior of firms .....	63	6.15 Buyer sophistication .....	124
1.16 Strength of auditing and reporting standards .....	72	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	37	7.01 Cooperation in labor-employer relations .....	98
1.18 Protection of minority shareholders' interests .....	23	7.02 Flexibility of wage determination .....	105
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	46
2.01 Quality of overall infrastructure .....	74	7.04 Rigidity of employment* .....	65
2.02 Quality of roads .....	73	7.05 Hiring and firing practices .....	93
2.03 Quality of railroad infrastructure .....	111	7.06 Firing costs* .....	124
2.04 Quality of port infrastructure .....	86	7.07 Pay and productivity .....	127
2.05 Quality of air transport infrastructure .....	91	7.08 Reliance on professional management .....	45
2.06 Available seat kilometers* .....	82	7.09 Brain drain .....	125
2.07 Quality of electricity supply .....	103	7.10 Female participation in labor force* .....	9
2.08 Telephone lines* .....	114	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	82
3.01 Government surplus/deficit* .....	131	8.02 Financing through local equity market .....	44
3.02 National savings rate* .....	77	8.03 Ease of access to loans .....	116
3.03 Inflation* .....	114	8.04 Venture capital availability .....	119
3.04 Interest rate spread* .....	78	8.05 Restriction on capital flows .....	88
3.05 Government debt* .....	69	8.06 Strength of investor protection* .....	26
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	59
4.01 Business impact of malaria .....	128	8.08 Regulation of securities exchanges .....	57
4.02 Malaria incidence* .....	127	8.09 Legal rights index* .....	52
4.03 Business impact of tuberculosis .....	112	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	106	9.01 Availability of latest technologies .....	101
4.05 Business impact of HIV/AIDS .....	111	9.02 Firm-level technology absorption .....	107
4.06 HIV prevalence* .....	115	9.03 Laws relating to ICT .....	113
4.07 Infant mortality* .....	110	9.04 FDI and technology transfer .....	104
4.08 Life expectancy* .....	115	9.05 Mobile telephone subscribers* .....	108
4.09 Quality of primary education .....	83	9.06 Internet users* .....	116
4.10 Primary enrollment* .....	124	9.07 Personal computers* .....	121
4.11 Education expenditure* .....	47	9.08 Broadband Internet subscribers* .....	103
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	109	10.01 Domestic market size* .....	82
5.02 Tertiary enrollment* .....	111	10.02 Foreign market size* .....	93
5.03 Quality of the educational system .....	75	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	105	11.01 Local supplier quantity .....	105
5.05 Quality of management schools .....	76	11.02 Local supplier quality .....	104
5.06 Internet access in schools .....	109	11.03 State of cluster development .....	101
5.07 Local availability of research and training services .....	101	11.04 Nature of competitive advantage .....	88
5.08 Extent of staff training .....	103	11.05 Value chain breadth .....	121
		11.06 Control of international distribution .....	114
		11.07 Production process sophistication .....	132
		11.08 Extent of marketing .....	94
		11.09 Willingness to delegate authority .....	42
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	130
		12.02 Quality of scientific research institutions .....	70
		12.03 Company spending on R&D .....	134
		12.04 University-industry research collaboration .....	121
		12.05 Gov't procurement of advanced tech products .....	115
		12.06 Availability of scientists and engineers .....	99
		12.07 Utility patents* .....	81

\* Hard data

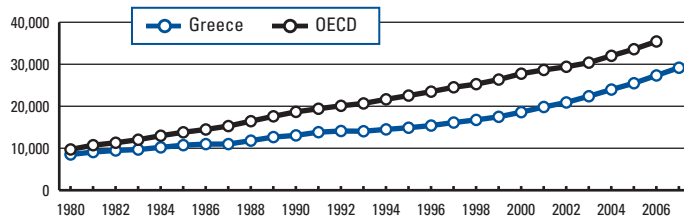
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Greece

## Key indicators

Total population (millions), 2007 .....	11.2
GDP (US\$ billions), 2007 .....	314.6
GDP per capita (US\$), 2007 .....	28,273.3
GDP (PPP) as share (%) of world total, 2007 .....	0.58

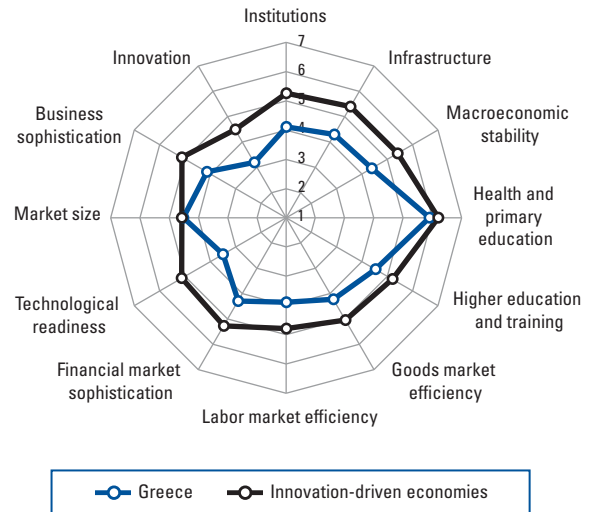
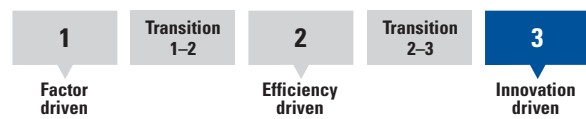
GDP (PPP US\$) per capita, 1980–2007



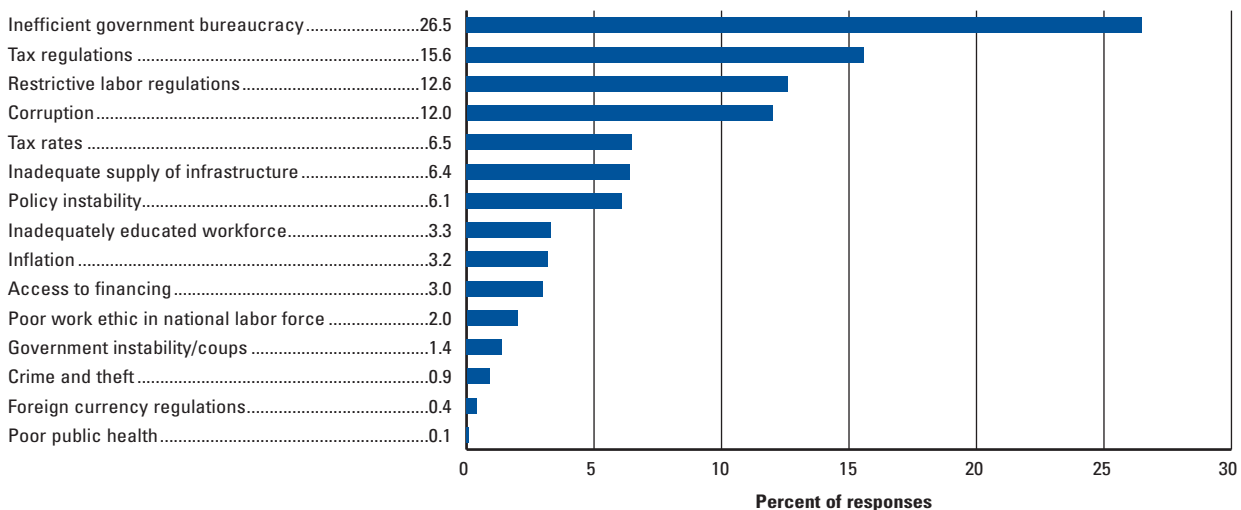
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>67</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	65	4.1
GCI 2006–2007 (out of 122) .....	61	4.1
<b>Basic requirements</b> .....	<b>51</b>	<b>4.7</b>
1st pillar: Institutions .....	58	4.1
2nd pillar: Infrastructure .....	45	4.3
3rd pillar: Macroeconomic stability .....	106	4.4
4th pillar: Health and primary education .....	40	5.9
<b>Efficiency enhancers</b> .....	<b>57</b>	<b>4.2</b>
5th pillar: Higher education and training .....	38	4.5
6th pillar: Goods market efficiency .....	64	4.2
7th pillar: Labor market efficiency .....	116	3.9
8th pillar: Financial market sophistication .....	67	4.3
9th pillar: Technological readiness .....	59	3.5
10th pillar: Market size .....	33	4.5
<b>Innovation and sophistication factors</b> .....	<b>68</b>	<b>3.7</b>
11th pillar: Business sophistication .....	66	4.1
12th pillar: Innovation .....	63	3.2

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	51	6.01 Intensity of local competition	52
1.02 Intellectual property protection	44	6.02 Extent of market dominance	55
1.03 Diversion of public funds	64	6.03 Effectiveness of anti-monopoly policy	50
1.04 Public trust of politicians	65	6.04 Extent and effect of taxation	72
1.05 Judicial independence	62	6.05 Total tax rate*	82
1.06 Favoritism in decisions of government officials	67	6.06 No. of procedures required to start a business*	120
1.07 Wastefulness of government spending	75	6.07 Time required to start a business*	89
1.08 Burden of government regulation	116	6.08 Agricultural policy costs	97
1.09 Efficiency of legal framework	71	6.09 Prevalence of trade barriers	32
1.10 Transparency of government policymaking	99	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	56	6.11 Prevalence of foreign ownership	64
1.12 Business costs of crime and violence	31	6.12 Business impact of rules on FDI	107
1.13 Organized crime	35	6.13 Burden of customs procedures	56
1.14 Reliability of police services	63	6.14 Degree of customer orientation	71
1.15 Ethical behavior of firms	94	6.15 Buyer sophistication	51
1.16 Strength of auditing and reporting standards	59		
1.17 Efficacy of corporate boards	118	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	40	7.01 Cooperation in labor-employer relations	115
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	126
2.01 Quality of overall infrastructure	49	7.03 Non-wage labor costs*	107
2.02 Quality of roads	47	7.04 Rigidity of employment*	112
2.03 Quality of railroad infrastructure	50	7.05 Hiring and firing practices	114
2.04 Quality of port infrastructure	57	7.06 Firing costs*	39
2.05 Quality of air transport infrastructure	40	7.07 Pay and productivity	103
2.06 Available seat kilometers*	33	7.08 Reliance on professional management	92
2.07 Quality of electricity supply	66	7.09 Brain drain	63
2.08 Telephone lines*	11	7.10 Female participation in labor force*	77
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	99	8.01 Financial market sophistication	52
3.02 National savings rate*	119	8.02 Financing through local equity market	57
3.03 Inflation*	49	8.03 Ease of access to loans	58
3.04 Interest rate spread*	41	8.04 Venture capital availability	71
3.05 Government debt*	122	8.05 Restriction on capital flows	41
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	118
4.01 Business impact of malaria	25	8.07 Soundness of banks	45
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	55
4.03 Business impact of tuberculosis	12	8.09 Legal rights index*	93
4.04 Tuberculosis incidence*	35	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	29	9.01 Availability of latest technologies	62
4.06 HIV prevalence*	50	9.02 Firm-level technology absorption	90
4.07 Infant mortality*	10	9.03 Laws relating to ICT	76
4.08 Life expectancy*	12	9.04 FDI and technology transfer	98
4.09 Quality of primary education	63	9.05 Mobile telephone subscribers*	31
4.10 Primary enrollment*	7	9.06 Internet users*	66
4.11 Education expenditure*	92	9.07 Personal computers*	64
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	47
5.01 Secondary enrollment*	17	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	1	10.01 Domestic market size*	27
5.03 Quality of the educational system	82	10.02 Foreign market size*	52
5.04 Quality of math and science education	49	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	80	11.01 Local supplier quantity	75
5.06 Internet access in schools	75	11.02 Local supplier quality	61
5.07 Local availability of research and training services	87	11.03 State of cluster development	88
5.08 Extent of staff training	81	11.04 Nature of competitive advantage	34
		11.05 Value chain breadth	53
		11.06 Control of international distribution	55
		11.07 Production process sophistication	51
		11.08 Extent of marketing	58
		11.09 Willingness to delegate authority	84
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	89
		12.02 Quality of scientific research institutions	73
		12.03 Company spending on R&D	85
		12.04 University-industry research collaboration	90
		12.05 Gov't procurement of advanced tech products	103
		12.06 Availability of scientists and engineers	17
		12.07 Utility patents*	38

\* Hard data

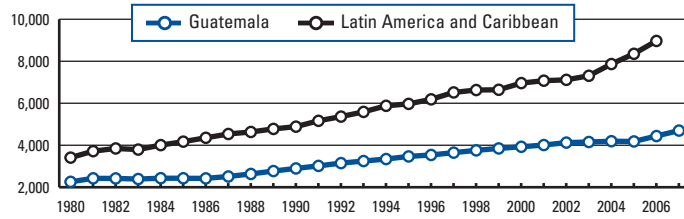
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Guatemala

## Key indicators

Total population (millions), 2007 .....	13.2
GDP (US\$ billions), 2007 .....	33.7
GDP per capita (US\$), 2007 .....	2,531.8
GDP (PPP) as share (%) of world total, 2007 .....	0.10

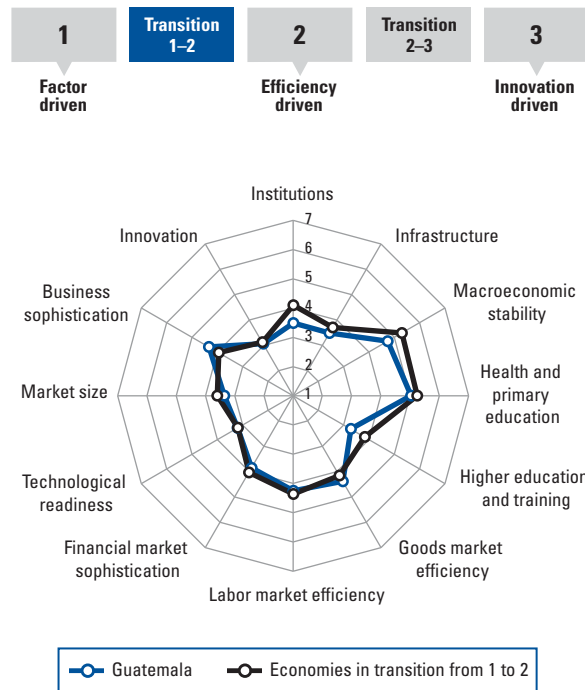
GDP (PPP US\$) per capita, 1980–2007



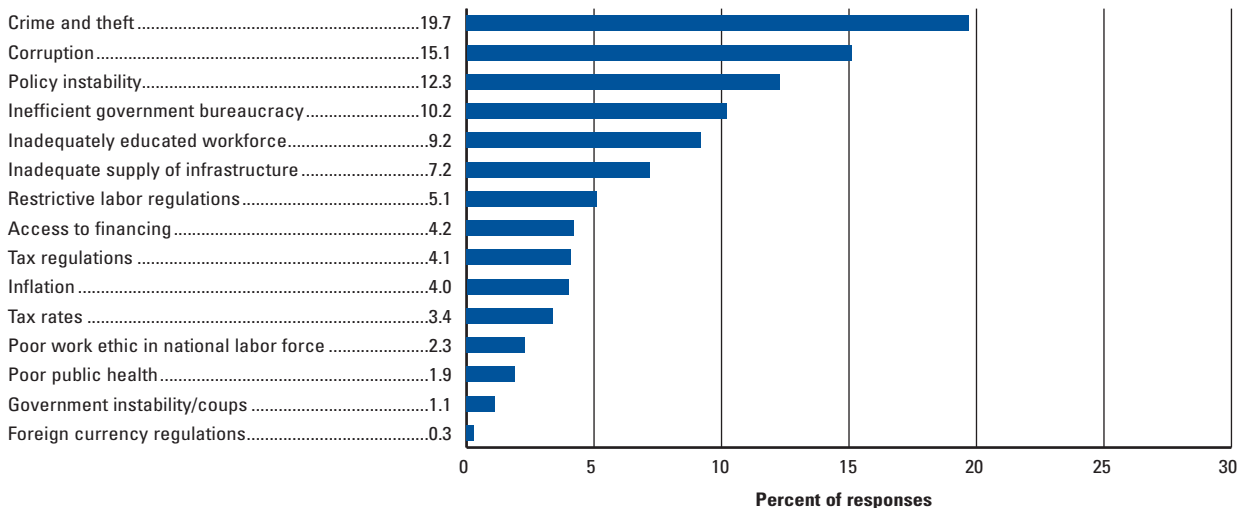
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>84</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	87	3.9
GCI 2006–2007 (out of 122) .....	91	3.7
<b>Basic requirements</b> .....	<b>84</b>	<b>4.2</b>
1st pillar: Institutions .....	98	3.5
2nd pillar: Infrastructure .....	71	3.5
3rd pillar: Macroeconomic stability .....	87	4.7
4th pillar: Health and primary education .....	99	5.0
<b>Efficiency enhancers</b> .....	<b>86</b>	<b>3.7</b>
5th pillar: Higher education and training .....	103	3.3
6th pillar: Goods market efficiency .....	54	4.4
7th pillar: Labor market efficiency .....	81	4.2
8th pillar: Financial market sophistication .....	95	3.8
9th pillar: Technological readiness .....	74	3.2
10th pillar: Market size .....	74	3.4
<b>Innovation and sophistication factors</b> .....	<b>65</b>	<b>3.7</b>
11th pillar: Business sophistication .....	52	4.3
12th pillar: Innovation .....	74	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	87 .....
1.02 Intellectual property protection .....	109 .....
1.03 Diversion of public funds .....	89 .....
1.04 Public trust of politicians .....	89 .....
1.05 Judicial independence .....	90 .....
1.06 Favoritism in decisions of government officials .....	75 .....
1.07 Wastefulness of government spending .....	78 .....
1.08 Burden of government regulation .....	32 .....
1.09 Efficiency of legal framework .....	99 .....
1.10 Transparency of government policymaking .....	61 .....
1.11 Business costs of terrorism .....	101 .....
1.12 Business costs of crime and violence .....	131 .....
1.13 Organized crime .....	132 .....
1.14 Reliability of police services .....	128 .....
1.15 Ethical behavior of firms .....	57 .....
1.16 Strength of auditing and reporting standards .....	91 .....
1.17 Efficacy of corporate boards .....	65 .....
1.18 Protection of minority shareholders' interests .....	108 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	63 .....
2.02 Quality of roads .....	52 .....
2.03 Quality of railroad infrastructure .....	115 .....
2.04 Quality of port infrastructure .....	63 .....
2.05 Quality of air transport infrastructure .....	53 .....
2.06 Available seat kilometers* .....	89 .....
2.07 Quality of electricity supply .....	64 .....
2.08 Telephone lines* .....	88 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	75 .....
3.02 National savings rate* .....	100 .....
3.03 Inflation* .....	86 .....
3.04 Interest rate spread* .....	101 .....
3.05 Government debt* .....	28 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	74 .....
4.02 Malaria incidence* .....	103 .....
4.03 Business impact of tuberculosis .....	64 .....
4.04 Tuberculosis incidence* .....	78 .....
4.05 Business impact of HIV/AIDS .....	74 .....
4.06 HIV prevalence* .....	95 .....
4.07 Infant mortality* .....	94 .....
4.08 Life expectancy* .....	89 .....
4.09 Quality of primary education .....	118 .....
4.10 Primary enrollment* .....	57 .....
4.11 Education expenditure* .....	122 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	105 .....
5.02 Tertiary enrollment* .....	107 .....
5.03 Quality of the educational system .....	118 .....
5.04 Quality of math and science education .....	120 .....
5.05 Quality of management schools .....	47 .....
5.06 Internet access in schools .....	93 .....
5.07 Local availability of research and training services .....	48 .....
5.08 Extent of staff training .....	55 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	55 .....
6.02 Extent of market dominance .....	64 .....
6.03 Effectiveness of anti-monopoly policy .....	105 .....
6.04 Extent and effect of taxation .....	40 .....
6.05 Total tax rate* .....	48 .....
6.06 No. of procedures required to start a business* .....	91 .....
6.07 Time required to start a business* .....	56 .....
6.08 Agricultural policy costs .....	21 .....
6.09 Prevalence of trade barriers .....	71 .....
6.10 Trade-weighted tariff rate* .....	42 .....
6.11 Prevalence of foreign ownership .....	41 .....
6.12 Business impact of rules on FDI .....	73 .....
6.13 Burden of customs procedures .....	46 .....
6.14 Degree of customer orientation .....	49 .....
6.15 Buyer sophistication .....	59 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	23 .....
7.02 Flexibility of wage determination .....	39 .....
7.03 Non-wage labor costs* .....	46 .....
7.04 Rigidity of employment* .....	45 .....
7.05 Hiring and firing practices .....	41 .....
7.06 Firing costs* .....	115 .....
7.07 Pay and productivity .....	41 .....
7.08 Reliance on professional management .....	62 .....
7.09 Brain drain .....	40 .....
7.10 Female participation in labor force* .....	124 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	73 .....
8.02 Financing through local equity market .....	116 .....
8.03 Ease of access to loans .....	81 .....
8.04 Venture capital availability .....	75 .....
8.05 Restriction on capital flows .....	23 .....
8.06 Strength of investor protection* .....	98 .....
8.07 Soundness of banks .....	101 .....
8.08 Regulation of securities exchanges .....	85 .....
8.09 Legal rights index* .....	93 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	72 .....
9.02 Firm-level technology absorption .....	51 .....
9.03 Laws relating to ICT .....	80 .....
9.04 FDI and technology transfer .....	30 .....
9.05 Mobile telephone subscribers* .....	76 .....
9.06 Internet users* .....	86 .....
9.07 Personal computers* .....	103 .....
9.08 Broadband Internet subscribers* .....	90 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	68 .....
10.02 Foreign market size* .....	96 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	45 .....
11.02 Local supplier quality .....	43 .....
11.03 State of cluster development .....	61 .....
11.04 Nature of competitive advantage .....	54 .....
11.05 Value chain breadth .....	60 .....
11.06 Control of international distribution .....	84 .....
11.07 Production process sophistication .....	69 .....
11.08 Extent of marketing .....	44 .....
11.09 Willingness to delegate authority .....	30 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	65 .....
12.02 Quality of scientific research institutions .....	103 .....
12.03 Company spending on R&D .....	60 .....
12.04 University-industry research collaboration .....	52 .....
12.05 Gov't procurement of advanced tech products .....	68 .....
12.06 Availability of scientists and engineers .....	90 .....
12.07 Utility patents* .....	88 .....

\* Hard data

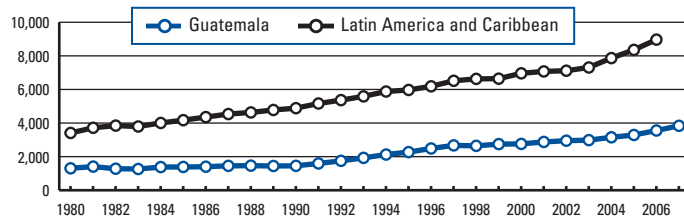
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Guyana

## Key indicators

Total population (millions), 2007 .....	0.8
GDP (US\$ billions), 2007 .....	1.0
GDP per capita (US\$), 2007 .....	1,365.2
GDP (PPP) as share (%) of world total, 2007 .....	0.01

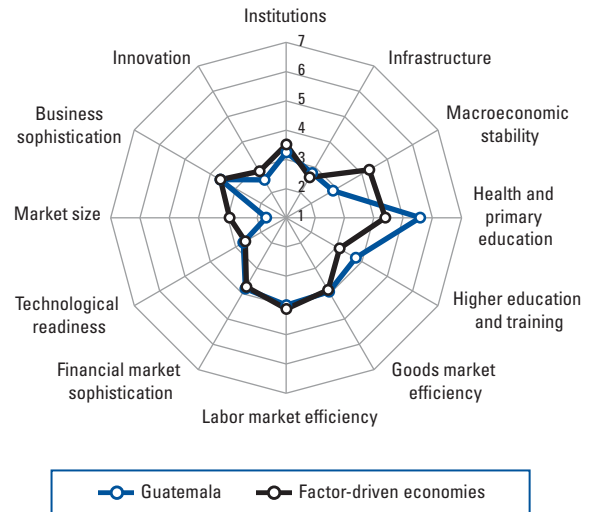
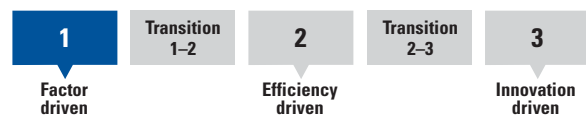
GDP (PPP US\$) per capita, 1980–2007



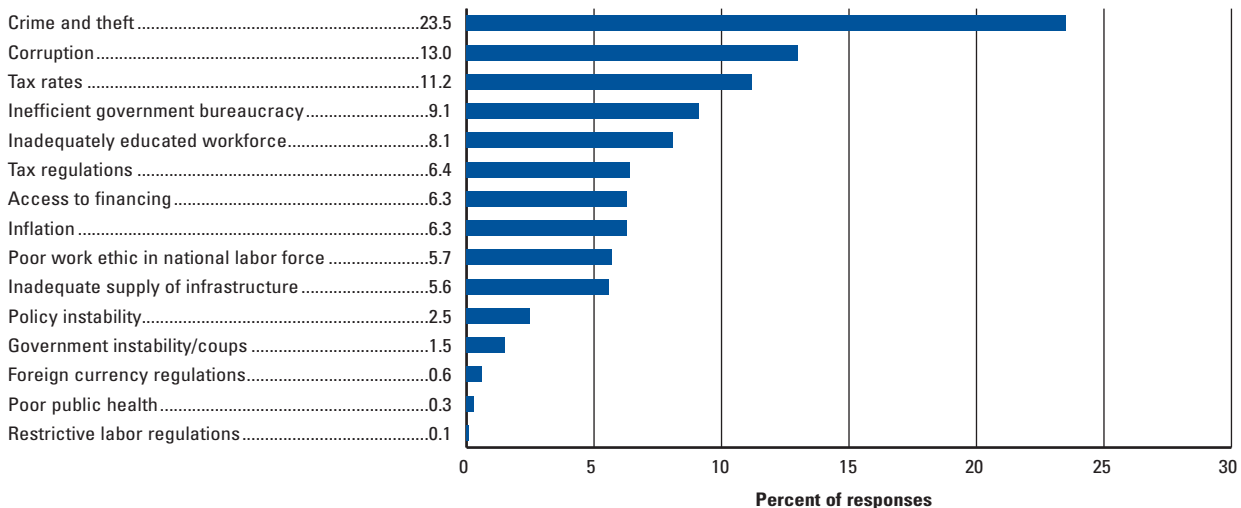
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>115</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	126	3.2
GCI 2006–2007 (out of 122) .....	113	3.3
<b>Basic requirements</b> .....	<b>115</b>	<b>3.6</b>
1st pillar: Institutions .....	117	3.2
2nd pillar: Infrastructure .....	98	2.8
3rd pillar: Macroeconomic stability .....	133	2.8
4th pillar: Health and primary education .....	62	5.6
<b>Efficiency enhancers</b> .....	<b>112</b>	<b>3.3</b>
5th pillar: Higher education and training .....	81	3.7
6th pillar: Goods market efficiency .....	96	3.9
7th pillar: Labor market efficiency .....	109	4.0
8th pillar: Financial market sophistication .....	98	3.8
9th pillar: Technological readiness .....	103	2.7
10th pillar: Market size .....	129	1.7
<b>Innovation and sophistication factors</b> .....	<b>111</b>	<b>3.0</b>
11th pillar: Business sophistication .....	95	3.6
12th pillar: Innovation .....	124	2.5

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....104	6.01	Intensity of local competition .....88
1.02	Intellectual property protection .....130	6.02	Extent of market dominance .....93
1.03	Diversion of public funds .....107	6.03	Effectiveness of anti-monopoly policy .....101
1.04	Public trust of politicians .....97	6.04	Extent and effect of taxation .....122
1.05	Judicial independence .....108	6.05	Total tax rate* .....53
1.06	Favoritism in decisions of government officials .....119	6.06	No. of procedures required to start a business* .....44
1.07	Wastefulness of government spending .....72	6.07	Time required to start a business* .....99
1.08	Burden of government regulation .....53	6.08	Agricultural policy costs .....41
1.09	Efficiency of legal framework .....121	6.09	Prevalence of trade barriers .....58
1.10	Transparency of government policymaking .....95	6.10	Trade-weighted tariff rate* .....111
1.11	Business costs of terrorism .....120	6.11	Prevalence of foreign ownership .....95
1.12	Business costs of crime and violence .....128	6.12	Business impact of rules on FDI .....86
1.13	Organized crime .....111	6.13	Burden of customs procedures .....130
1.14	Reliability of police services .....119	6.14	Degree of customer orientation .....99
1.15	Ethical behavior of firms .....101	6.15	Buyer sophistication .....114
1.16	Strength of auditing and reporting standards .....99	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....74	7.01	Cooperation in labor-employer relations .....97
1.18	Protection of minority shareholders' interests .....98	7.02	Flexibility of wage determination .....73
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....26
2.01	Quality of overall infrastructure .....87	7.04	Rigidity of employment* .....32
2.02	Quality of roads .....72	7.05	Hiring and firing practices .....34
2.03	Quality of railroad infrastructure .....107	7.06	Firing costs* .....85
2.04	Quality of port infrastructure .....105	7.07	Pay and productivity .....91
2.05	Quality of air transport infrastructure .....115	7.08	Reliance on professional management .....70
2.06	Available seat kilometers* .....127	7.09	Brain drain .....134
2.07	Quality of electricity supply .....114	7.10	Female participation in labor force* .....113
2.08	Telephone lines* .....77	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....117
3.01	Government surplus/deficit* .....132	8.02	Financing through local equity market .....102
3.02	National savings rate* .....49	8.03	Ease of access to loans .....104
3.03	Inflation* .....125	8.04	Venture capital availability .....114
3.04	Interest rate spread* .....120	8.05	Restriction on capital flows .....47
3.05	Government debt* .....125	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....49
4.01	Business impact of malaria .....114	8.08	Regulation of securities exchanges .....99
4.02	Malaria incidence* .....116	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....103	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....98	9.01	Availability of latest technologies .....108
4.05	Business impact of HIV/AIDS .....119	9.02	Firm-level technology absorption .....115
4.06	HIV prevalence* .....119	9.03	Laws relating to ICT .....125
4.07	Infant mortality* .....100	9.04	FDI and technology transfer .....108
4.08	Life expectancy* .....101	9.05	Mobile telephone subscribers* .....89
4.09	Quality of primary education .....61	9.06	Internet users* .....55
4.10	Primary enrollment* .....31	9.07	Personal computers* .....91
4.11	Education expenditure* .....3	9.08	Broadband Internet subscribers* .....87
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....15	10.01	Domestic market size* .....129
5.02	Tertiary enrollment* .....100	10.02	Foreign market size* .....126
5.03	Quality of the educational system .....67	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....94	11.01	Local supplier quantity .....109
5.05	Quality of management schools .....106	11.02	Local supplier quality .....92
5.06	Internet access in schools .....112	11.03	State of cluster development .....105
5.07	Local availability of research and training services .....120	11.04	Nature of competitive advantage .....89
5.08	Extent of staff training .....82	11.05	Value chain breadth .....87
		11.06	Control of international distribution .....79
		11.07	Production process sophistication .....120
		11.08	Extent of marketing .....105
		11.09	Willingness to delegate authority .....76
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....100
		12.02	Quality of scientific research institutions .....115
		12.03	Company spending on R&D .....90
		12.04	University-industry research collaboration .....118
		12.05	Gov't procurement of advanced tech products .....114
		12.06	Availability of scientists and engineers .....130
		12.07	Utility patents* .....88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

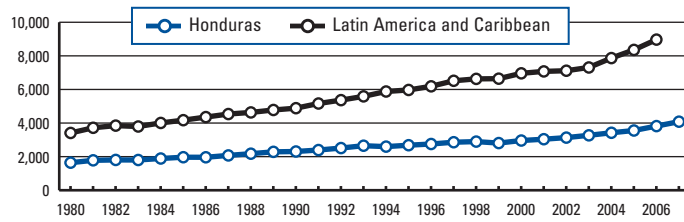


# Honduras

## Key indicators

Total population (millions), 2007	7.5
GDP (US\$ billions), 2007	12.3
GDP per capita (US\$), 2007	1,635.1
GDP (PPP) as share (%) of world total, 2007	0.04

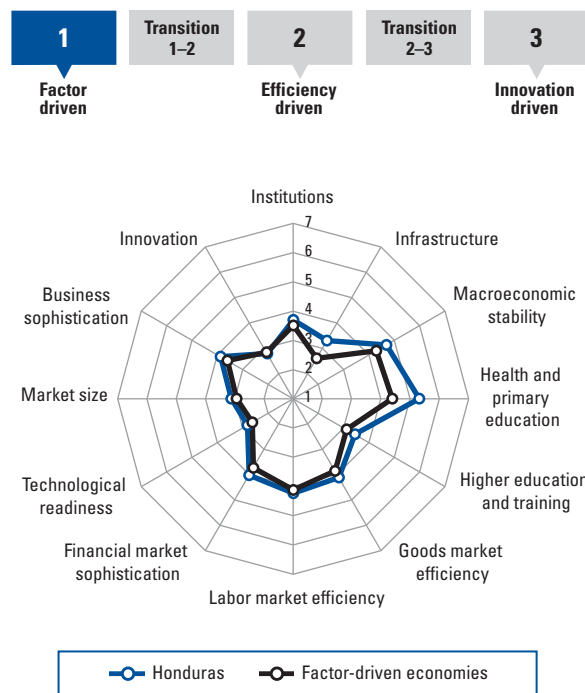
GDP (PPP US\$) per capita, 1980–2007



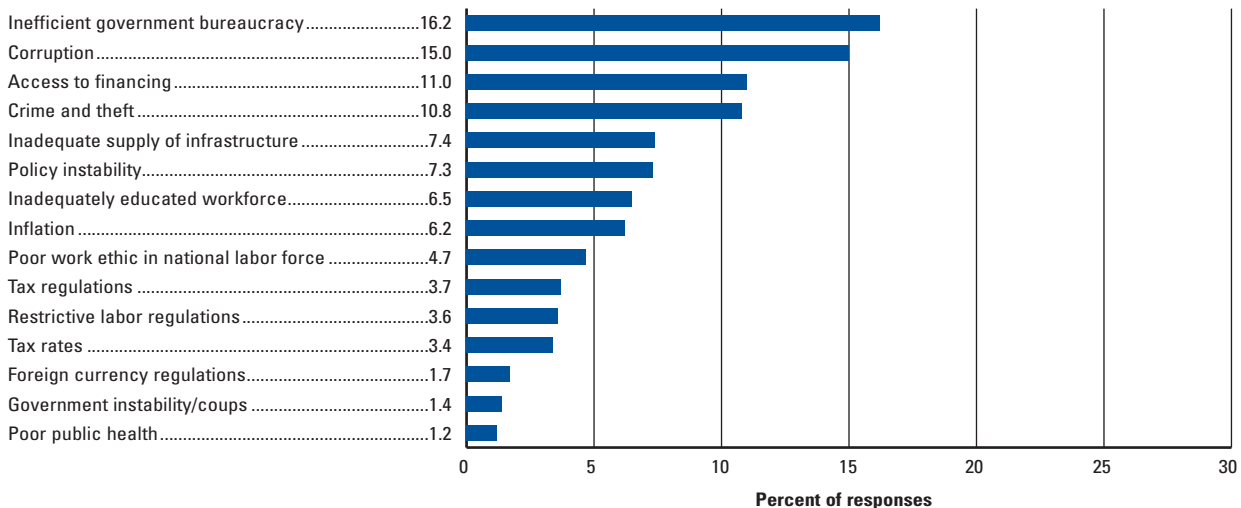
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>82</b>	<b>4.0</b>
GCI 2007–2008 (out of 131)	83	3.9
GCI 2006–2007 (out of 122)	90	3.7
<b>Basic requirements</b>	<b>78</b>	<b>4.2</b>
1st pillar: Institutions	82	3.7
2nd pillar: Infrastructure	75	3.3
3rd pillar: Macroeconomic stability	89	4.7
4th pillar: Health and primary education	83	5.3
<b>Efficiency enhancers</b>	<b>91</b>	<b>3.6</b>
5th pillar: Higher education and training	93	3.4
6th pillar: Goods market efficiency	75	4.1
7th pillar: Labor market efficiency	82	4.2
8th pillar: Financial market sophistication	84	4.0
9th pillar: Technological readiness	96	2.8
10th pillar: Market size	84	3.1
<b>Innovation and sophistication factors</b>	<b>89</b>	<b>3.3</b>
11th pillar: Business sophistication	82	3.9
12th pillar: Innovation	104	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....77	6.01	Intensity of local competition .....93
1.02	Intellectual property protection .....71	6.02	Extent of market dominance .....96
1.03	Diversion of public funds .....86	6.03	Effectiveness of anti-monopoly policy .....87
1.04	Public trust of politicians .....76	6.04	Extent and effect of taxation .....41
1.05	Judicial independence .....91	6.05	Total tax rate* .....94
1.06	Favoritism in decisions of government officials .....82	6.06	No. of procedures required to start a business* .....108
1.07	Wastefulness of government spending .....92	6.07	Time required to start a business* .....44
1.08	Burden of government regulation .....20	6.08	Agricultural policy costs .....62
1.09	Efficiency of legal framework .....76	6.09	Prevalence of trade barriers .....51
1.10	Transparency of government policymaking .....56	6.10	Trade-weighted tariff rate* .....77
1.11	Business costs of terrorism .....80	6.11	Prevalence of foreign ownership .....44
1.12	Business costs of crime and violence .....117	6.12	Business impact of rules on FDI .....54
1.13	Organized crime .....117	6.13	Burden of customs procedures .....60
1.14	Reliability of police services .....104	6.14	Degree of customer orientation .....90
1.15	Ethical behavior of firms .....70	6.15	Buyer sophistication .....70
1.16	Strength of auditing and reporting standards .....81	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....86	7.01	Cooperation in labor-employer relations .....59
1.18	Protection of minority shareholders' interests .....79	7.02	Flexibility of wage determination .....92
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....30
2.01	Quality of overall infrastructure .....72	7.04	Rigidity of employment* .....84
2.02	Quality of roads .....61	7.05	Hiring and firing practices .....54
2.03	Quality of railroad infrastructure .....102	7.06	Firing costs* .....94
2.04	Quality of port infrastructure .....36	7.07	Pay and productivity .....55
2.05	Quality of air transport infrastructure .....69	7.08	Reliance on professional management .....90
2.06	Available seat kilometers* .....107	7.09	Brain drain .....51
2.07	Quality of electricity supply .....85	7.10	Female participation in labor force* .....98
2.08	Telephone lines* .....92	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....76
3.01	Government surplus/deficit* .....94	8.02	Financing through local equity market .....123
3.02	National savings rate* .....62	8.03	Ease of access to loans .....70
3.03	Inflation* .....87	8.04	Venture capital availability .....63
3.04	Interest rate spread* .....106	8.05	Restriction on capital flows .....68
3.05	Government debt* .....41	8.06	Strength of investor protection* .....112
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....66
4.01	Business impact of malaria .....90	8.08	Regulation of securities exchanges .....114
4.02	Malaria incidence* .....99	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....74	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....76	9.01	Availability of latest technologies .....102
4.05	Business impact of HIV/AIDS .....100	9.02	Firm-level technology absorption .....95
4.06	HIV prevalence* .....92	9.03	Laws relating to ICT .....89
4.07	Infant mortality* .....93	9.04	FDI and technology transfer .....29
4.08	Life expectancy* .....83	9.05	Mobile telephone subscribers* .....97
4.09	Quality of primary education .....101	9.06	Internet users* .....108
4.10	Primary enrollment* .....41	9.07	Personal computers* .....106
4.11	Education expenditure* .....88	9.08	Broadband Internet subscribers* .....126
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....91	10.01	Domestic market size* .....83
5.02	Tertiary enrollment* .....89	10.02	Foreign market size* .....88
5.03	Quality of the educational system .....116	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....117	11.01	Local supplier quantity .....92
5.05	Quality of management schools .....101	11.02	Local supplier quality .....84
5.06	Internet access in schools .....92	11.03	State of cluster development .....72
5.07	Local availability of research and training services .....83	11.04	Nature of competitive advantage .....95
5.08	Extent of staff training .....77	11.05	Value chain breadth .....67
		11.06	Control of international distribution .....104
		11.07	Production process sophistication .....88
		11.08	Extent of marketing .....76
		11.09	Willingness to delegate authority .....57
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....93
		12.02	Quality of scientific research institutions .....122
		12.03	Company spending on R&D .....94
		12.04	University-industry research collaboration .....104
		12.05	Gov't procurement of advanced tech products .....77
		12.06	Availability of scientists and engineers .....106
		12.07	Utility patents* .....73

\* Hard data

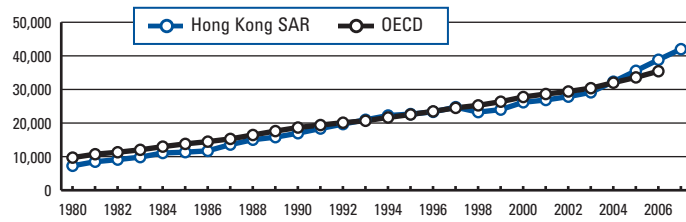
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Hong Kong SAR

## Key indicators

Total population (millions), 2007 .....	7.2
GDP (US\$ billions), 2007 .....	206.7
GDP per capita (US\$), 2007 .....	29,649.5
GDP (PPP) as share (%) of world total, 2007 .....	0.45

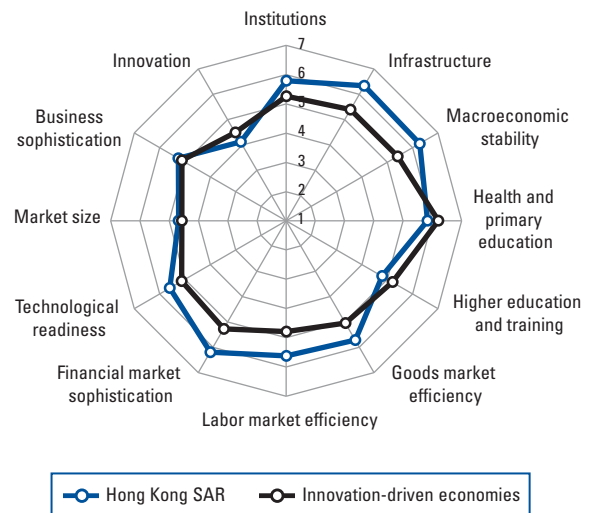
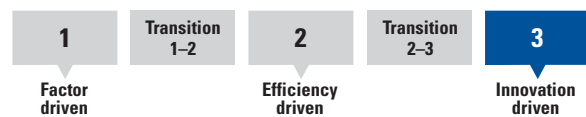
GDP (PPP US\$) per capita, 1980–2007



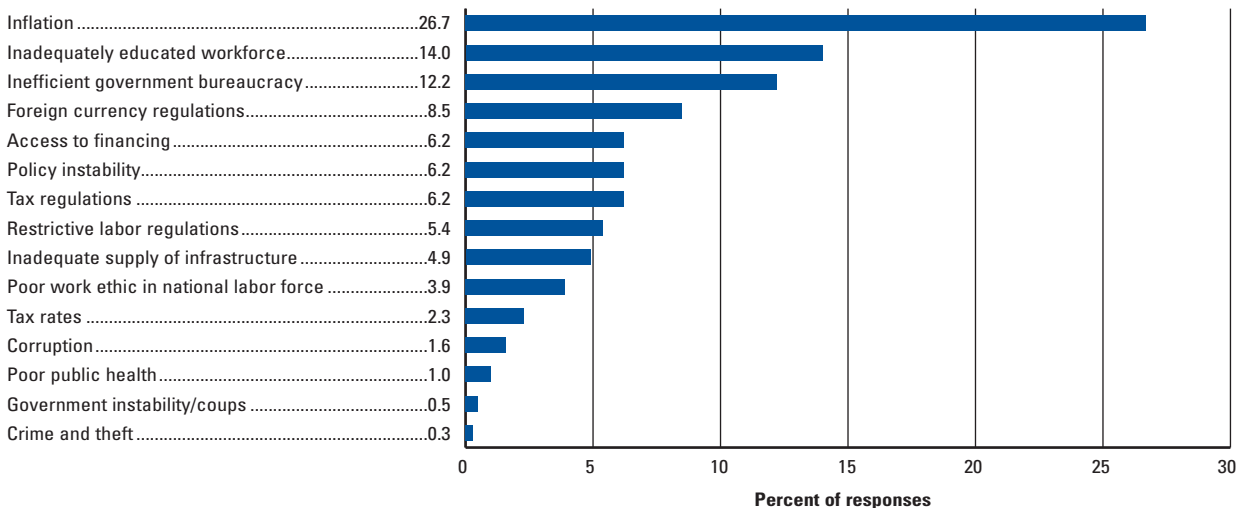
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>11</b>	<b>5.3</b>
GCI 2007–2008 (out of 131) .....	12	5.4
GCI 2006–2007 (out of 122) .....	10	5.4
<b>Basic requirements</b> .....	<b>5</b>	<b>6.0</b>
1st pillar: Institutions .....	9	5.8
2nd pillar: Infrastructure .....	5	6.3
3rd pillar: Macroeconomic stability .....	3	6.3
4th pillar: Health and primary education .....	43	5.8
<b>Efficiency enhancers</b> .....	<b>6</b>	<b>5.4</b>
5th pillar: Higher education and training .....	28	4.8
6th pillar: Goods market efficiency .....	2	5.7
7th pillar: Labor market efficiency .....	4	5.6
8th pillar: Financial market sophistication .....	1	6.2
9th pillar: Technological readiness .....	10	5.6
10th pillar: Market size .....	26	4.7
<b>Innovation and sophistication factors</b> .....	<b>21</b>	<b>4.7</b>
11th pillar: Business sophistication .....	13	5.3
12th pillar: Innovation .....	24	4.1

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	12
1.02 Intellectual property protection	21
1.03 Diversion of public funds	12
1.04 Public trust of politicians	12
1.05 Judicial independence	13
1.06 Favoritism in decisions of government officials	15
1.07 Wastefulness of government spending	8
1.08 Burden of government regulation	2
1.09 Efficiency of legal framework	11
1.10 Transparency of government policymaking	2
1.11 Business costs of terrorism	6
1.12 Business costs of crime and violence	7
1.13 Organized crime	25
1.14 Reliability of police services	7
1.15 Ethical behavior of firms	13
1.16 Strength of auditing and reporting standards	1
1.17 Efficacy of corporate boards	24
1.18 Protection of minority shareholders' interests	16
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	8
2.02 Quality of roads	5
2.03 Quality of railroad infrastructure	5
2.04 Quality of port infrastructure	2
2.05 Quality of air transport infrastructure	2
2.06 Available seat kilometers*	15
2.07 Quality of electricity supply	12
2.08 Telephone lines*	12
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	12
3.02 National savings rate*	20
3.03 Inflation*	20
3.04 Interest rate spread*	51
3.05 Government debt*	3
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	54
4.02 Malaria incidence*	66
4.03 Business impact of tuberculosis	43
4.04 Tuberculosis incidence*	79
4.05 Business impact of HIV/AIDS	22
4.06 HIV prevalence*	1
4.07 Infant mortality*	1
4.08 Life expectancy*	4
4.09 Quality of primary education	29
4.10 Primary enrollment*	101
4.11 Education expenditure*	91
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	72
5.02 Tertiary enrollment*	63
5.03 Quality of the educational system	22
5.04 Quality of math and science education	6
5.05 Quality of management schools	28
5.06 Internet access in schools	10
5.07 Local availability of research and training services	25
5.08 Extent of staff training	29

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	7
6.02 Extent of market dominance	38
6.03 Effectiveness of anti-monopoly policy	53
6.04 Extent and effect of taxation	3
6.05 Total tax rate*	11
6.06 No. of procedures required to start a business*	9
6.07 Time required to start a business*	19
6.08 Agricultural policy costs	10
6.09 Prevalence of trade barriers	1
6.10 Trade-weighted tariff rate*	1
6.11 Prevalence of foreign ownership	1
6.12 Business impact of rules on FDI	3
6.13 Burden of customs procedures	3
6.14 Degree of customer orientation	8
6.15 Buyer sophistication	4
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	7
7.02 Flexibility of wage determination	1
7.03 Non-wage labor costs*	18
7.04 Rigidity of employment*	1
7.05 Hiring and firing practices	7
7.06 Firing costs*	91
7.07 Pay and productivity	1
7.08 Reliance on professional management	27
7.09 Brain drain	12
7.10 Female participation in labor force*	60
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	2
8.02 Financing through local equity market	1
8.03 Ease of access to loans	10
8.04 Venture capital availability	6
8.05 Restriction on capital flows	1
8.06 Strength of investor protection*	3
8.07 Soundness of banks	11
8.08 Regulation of securities exchanges	4
8.09 Legal rights index*	1
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	19
9.02 Firm-level technology absorption	16
9.03 Laws relating to ICT	12
9.04 FDI and technology transfer	9
9.05 Mobile telephone subscribers*	3
9.06 Internet users*	21
9.07 Personal computers*	14
9.08 Broadband Internet subscribers*	9
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	38
10.02 Foreign market size*	7
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	14
11.02 Local supplier quality	17
11.03 State of cluster development	7
11.04 Nature of competitive advantage	22
11.05 Value chain breadth	11
11.06 Control of international distribution	25
11.07 Production process sophistication	24
11.08 Extent of marketing	12
11.09 Willingness to delegate authority	21
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	33
12.02 Quality of scientific research institutions	29
12.03 Company spending on R&D	25
12.04 University-industry research collaboration	22
12.05 Gov't procurement of advanced tech products	17
12.06 Availability of scientists and engineers	67
12.07 Utility patents*	22

\* Hard data

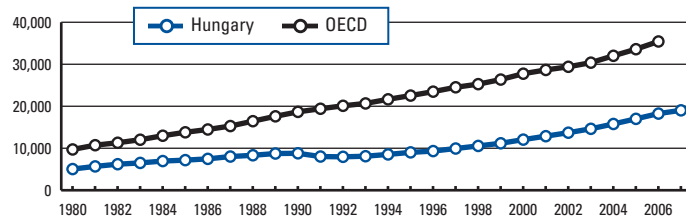
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Hungary

## Key indicators

Total population (millions), 2007 .....	10.0
GDP (US\$ billions), 2007 .....	138.4
GDP per capita (US\$), 2007 .....	13,762.2
GDP (PPP) as share (%) of world total, 2007 .....	0.30

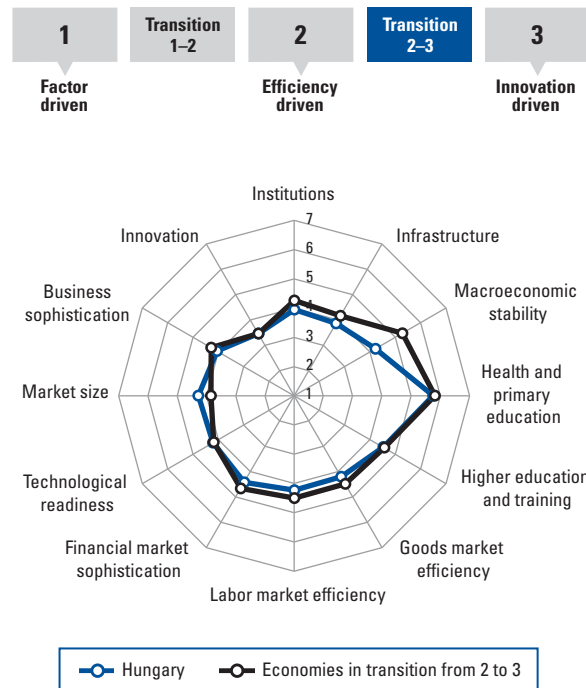
GDP (PPP US\$) per capita, 1980–2007



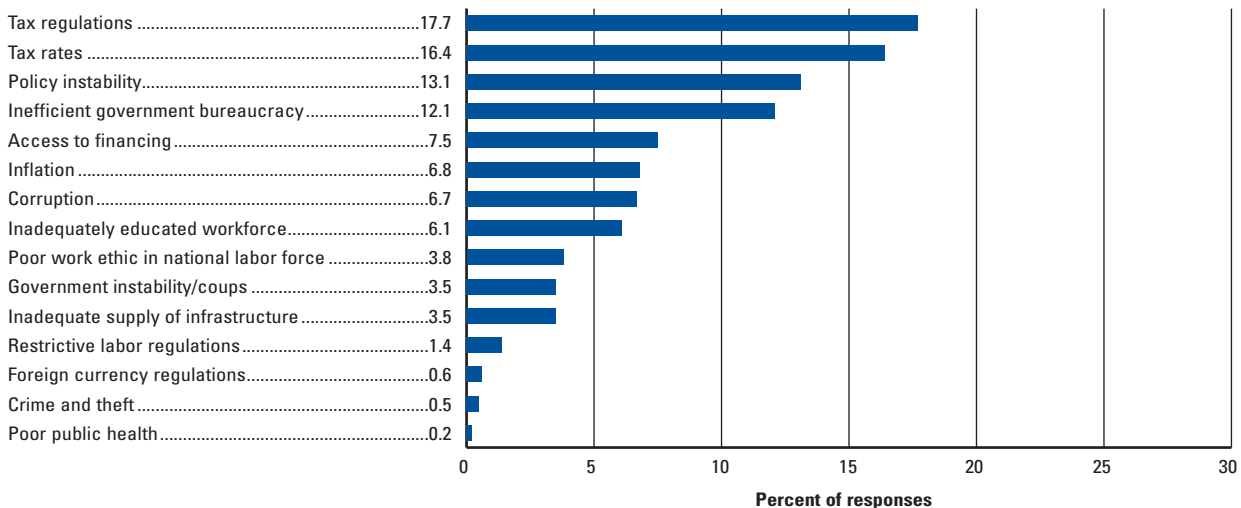
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>62</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	47	4.4
GCI 2006–2007 (out of 122) .....	38	4.5
<b>Basic requirements</b> .....	<b>64</b>	<b>4.4</b>
1st pillar: Institutions .....	64	3.9
2nd pillar: Infrastructure .....	57	3.9
3rd pillar: Macroeconomic stability .....	115	4.2
4th pillar: Health and primary education .....	49	5.7
<b>Efficiency enhancers</b> .....	<b>48</b>	<b>4.3</b>
5th pillar: Higher education and training .....	40	4.5
6th pillar: Goods market efficiency .....	66	4.2
7th pillar: Labor market efficiency .....	83	4.2
8th pillar: Financial market sophistication .....	61	4.4
9th pillar: Technological readiness .....	40	4.2
10th pillar: Market size .....	45	4.3
<b>Innovation and sophistication factors</b> .....	<b>55</b>	<b>3.7</b>
11th pillar: Business sophistication .....	68	4.0
12th pillar: Innovation .....	45	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	46 ■
1.02 Intellectual property protection	45 ■
1.03 Diversion of public funds	79 ■
1.04 Public trust of politicians	94 ■
1.05 Judicial independence	55 ■
1.06 Favoritism in decisions of government officials	112 ■
1.07 Wastefulness of government spending	125 ■
1.08 Burden of government regulation	128 ■
1.09 Efficiency of legal framework	81 ■
1.10 Transparency of government policymaking	117 ■
1.11 Business costs of terrorism	21 ■
1.12 Business costs of crime and violence	45 ■
1.13 Organized crime	50 ■
1.14 Reliability of police services	46 ■
1.15 Ethical behavior of firms	93 ■
1.16 Strength of auditing and reporting standards	51 ■
1.17 Efficacy of corporate boards	88 ■
1.18 Protection of minority shareholders' interests	66 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	55 ■
2.02 Quality of roads	67 ■
2.03 Quality of railroad infrastructure	41 ■
2.04 Quality of port infrastructure	70 ■
2.05 Quality of air transport infrastructure	70 ■
2.06 Available seat kilometers*	68 ■
2.07 Quality of electricity supply	50 ■
2.08 Telephone lines*	36 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	123 ■
3.02 National savings rate*	95 ■
3.03 Inflation*	98 ■
3.04 Interest rate spread*	12 ■
3.05 Government debt*	110 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	9 ■
4.02 Malaria incidence*	1 ■
4.03 Business impact of tuberculosis	48 ■
4.04 Tuberculosis incidence*	37 ■
4.05 Business impact of HIV/AIDS	13 ■
4.06 HIV prevalence*	23 ■
4.07 Infant mortality*	31 ■
4.08 Life expectancy*	55 ■
4.09 Quality of primary education	47 ■
4.10 Primary enrollment*	96 ■
4.11 Education expenditure*	26 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	42 ■
5.02 Tertiary enrollment*	17 ■
5.03 Quality of the educational system	87 ■
5.04 Quality of math and science education	36 ■
5.05 Quality of management schools	73 ■
5.06 Internet access in schools	26 ■
5.07 Local availability of research and training services	73 ■
5.08 Extent of staff training	101 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	38 ■
6.02 Extent of market dominance	74 ■
6.03 Effectiveness of anti-monopoly policy	44 ■
6.04 Extent and effect of taxation	133 ■
6.05 Total tax rate*	105 ■
6.06 No. of procedures required to start a business*	19 ■
6.07 Time required to start a business*	33 ■
6.08 Agricultural policy costs	117 ■
6.09 Prevalence of trade barriers	29 ■
6.10 Trade-weighted tariff rate*	5 ■
6.11 Prevalence of foreign ownership	9 ■
6.12 Business impact of rules on FDI	40 ■
6.13 Burden of customs procedures	49 ■
6.14 Degree of customer orientation	114 ■
6.15 Buyer sophistication	95 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	77 ■
7.02 Flexibility of wage determination	67 ■
7.03 Non-wage labor costs*	120 ■
7.04 Rigidity of employment*	48 ■
7.05 Hiring and firing practices	67 ■
7.06 Firing costs*	61 ■
7.07 Pay and productivity	75 ■
7.08 Reliance on professional management	86 ■
7.09 Brain drain	81 ■
7.10 Female participation in labor force*	54 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	59 ■
8.02 Financing through local equity market	95 ■
8.03 Ease of access to loans	74 ■
8.04 Venture capital availability	82 ■
8.05 Restriction on capital flows	35 ■
8.06 Strength of investor protection*	86 ■
8.07 Soundness of banks	81 ■
8.08 Regulation of securities exchanges	58 ■
8.09 Legal rights index*	29 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	65 ■
9.02 Firm-level technology absorption	68 ■
9.03 Laws relating to ICT	56 ■
9.04 FDI and technology transfer	16 ■
9.05 Mobile telephone subscribers*	30 ■
9.06 Internet users*	39 ■
9.07 Personal computers*	32 ■
9.08 Broadband Internet subscribers*	32 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	49 ■
10.02 Foreign market size*	33 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	76 ■
11.02 Local supplier quality	63 ■
11.03 State of cluster development	51 ■
11.04 Nature of competitive advantage	61 ■
11.05 Value chain breadth	46 ■
11.06 Control of international distribution	115 ■
11.07 Production process sophistication	55 ■
11.08 Extent of marketing	77 ■
11.09 Willingness to delegate authority	122 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	46 ■
12.02 Quality of scientific research institutions	24 ■
12.03 Company spending on R&D	83 ■
12.04 University-industry research collaboration	30 ■
12.05 Gov't procurement of advanced tech products	116 ■
12.06 Availability of scientists and engineers	49 ■
12.07 Utility patents*	31 ■

\* Hard data

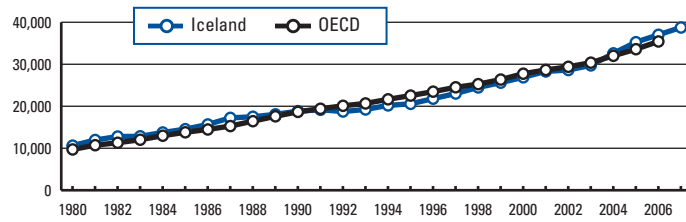
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Iceland

## Key indicators

Total population (millions), 2007 .....	0.3
GDP (US\$ billions), 2007 .....	20.0
GDP per capita (US\$), 2007 .....	63,830.1
GDP (PPP) as share (%) of world total, 2007 .....	0.02

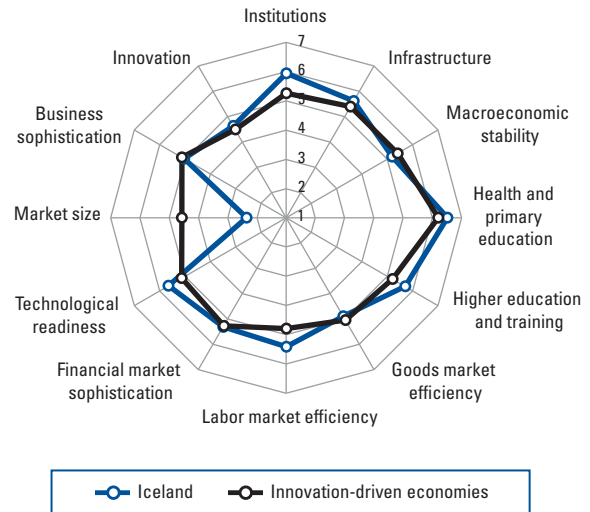
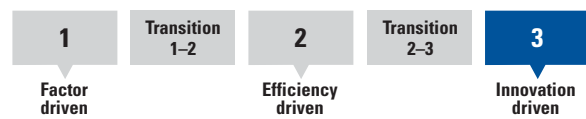
GDP (PPP US\$) per capita, 1980–2007



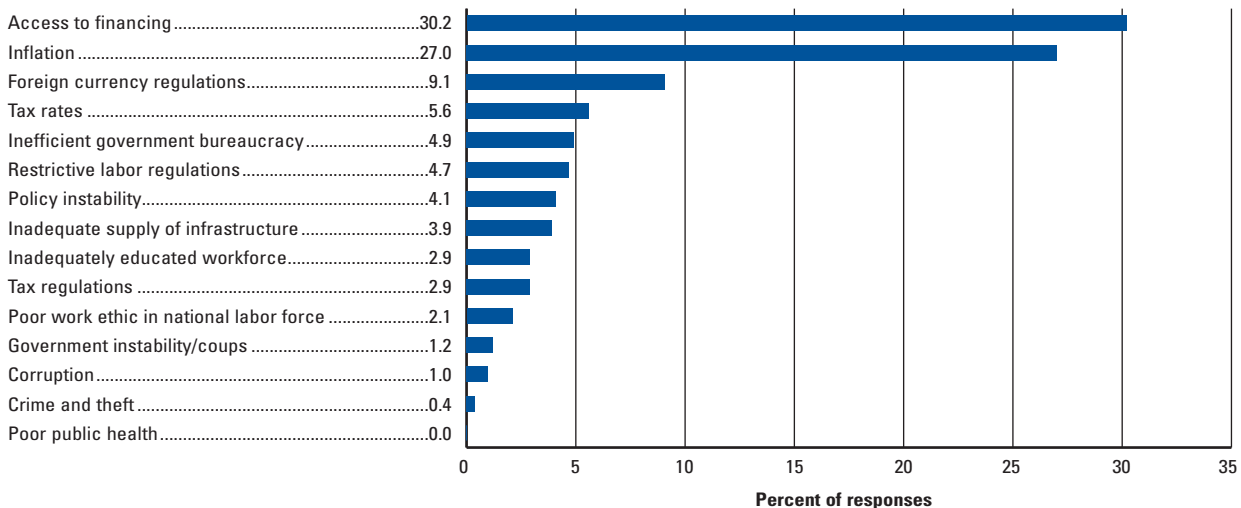
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>20</b>	<b>5.0</b>
GCI 2007–2008 (out of 131) .....	23	5.0
GCI 2006–2007 (out of 122) .....	20	5.1
<b>Basic requirements</b> .....	<b>11</b>	<b>5.8</b>
1st pillar: Institutions .....	6	5.9
2nd pillar: Infrastructure .....	17	5.6
3rd pillar: Macroeconomic stability .....	56	5.2
4th pillar: Health and primary education .....	2	6.5
<b>Efficiency enhancers</b> .....	<b>22</b>	<b>4.9</b>
5th pillar: Higher education and training .....	4	5.7
6th pillar: Goods market efficiency .....	27	4.9
7th pillar: Labor market efficiency .....	6	5.4
8th pillar: Financial market sophistication .....	20	5.3
9th pillar: Technological readiness .....	6	5.7
10th pillar: Market size .....	118	2.4
<b>Innovation and sophistication factors</b> .....	<b>19</b>	<b>4.8</b>
11th pillar: Business sophistication .....	20	5.0
12th pillar: Innovation .....	18	4.6

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	
<b>1st pillar: Institutions</b>		
1.01 Property rights .....	10	■
1.02 Intellectual property protection .....	8	■
1.03 Diversion of public funds .....	7	■
1.04 Public trust of politicians .....	7	■
1.05 Judicial independence .....	14	■
1.06 Favoritism in decisions of government officials .....	9	■
1.07 Wastefulness of government spending .....	9	■
1.08 Burden of government regulation .....	3	■
1.09 Efficiency of legal framework .....	13	■
1.10 Transparency of government policymaking .....	6	■
1.11 Business costs of terrorism .....	2	■
1.12 Business costs of crime and violence .....	2	■
1.13 Organized crime .....	3	■
1.14 Reliability of police services .....	5	■
1.15 Ethical behavior of firms .....	6	■
1.16 Strength of auditing and reporting standards .....	18	■
1.17 Efficacy of corporate boards .....	23	■
1.18 Protection of minority shareholders' interests .....	24	■
<b>2nd pillar: Infrastructure</b>		
2.01 Quality of overall infrastructure .....	13	■
2.02 Quality of roads .....	42	■
2.03 Quality of railroad infrastructure .....	n/a	■
2.04 Quality of port infrastructure .....	9	■
2.05 Quality of air transport infrastructure .....	11	■
2.06 Available seat kilometers* .....	80	■
2.07 Quality of electricity supply .....	5	■
2.08 Telephone lines* .....	5	■
<b>3rd pillar: Macroeconomic stability</b>		
3.01 Government surplus/deficit* .....	17	■
3.02 National savings rate* .....	120	■
3.03 Inflation* .....	66	■
3.04 Interest rate spread* .....	102	■
3.05 Government debt* .....	39	■
<b>4th pillar: Health and primary education</b>		
4.01 Business impact of malaria .....	3	■
4.02 Malaria incidence* .....	1	■
4.03 Business impact of tuberculosis .....	2	■
4.04 Tuberculosis incidence* .....	1	■
4.05 Business impact of HIV/AIDS .....	2	■
4.06 HIV prevalence* .....	50	■
4.07 Infant mortality* .....	2	■
4.08 Life expectancy* .....	5	■
4.09 Quality of primary education .....	9	■
4.10 Primary enrollment* .....	25	■
4.11 Education expenditure* .....	5	■
<b>5th pillar: Higher education and training</b>		
5.01 Secondary enrollment* .....	11	■
5.02 Tertiary enrollment* .....	13	■
5.03 Quality of the educational system .....	5	■
5.04 Quality of math and science education .....	26	■
5.05 Quality of management schools .....	13	■
5.06 Internet access in schools .....	3	■
5.07 Local availability of research and training services .....	17	■
5.08 Extent of staff training .....	9	■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134	
<b>6th pillar: Goods market efficiency</b>		
6.01 Intensity of local competition .....	57	■
6.02 Extent of market dominance .....	78	■
6.03 Effectiveness of anti-monopoly policy .....	17	■
6.04 Extent and effect of taxation .....	11	■
6.05 Total tax rate* .....	14	■
6.06 No. of procedures required to start a business* .....	9	■
6.07 Time required to start a business* .....	4	■
6.08 Agricultural policy costs .....	128	■
6.09 Prevalence of trade barriers .....	81	■
6.10 Trade-weighted tariff rate* .....	59	■
6.11 Prevalence of foreign ownership .....	103	■
6.12 Business impact of rules on FDI .....	95	■
6.13 Burden of customs procedures .....	10	■
6.14 Degree of customer orientation .....	16	■
6.15 Buyer sophistication .....	24	■
<b>7th pillar: Labor market efficiency</b>		
7.01 Cooperation in labor-employer relations .....	11	■
7.02 Flexibility of wage determination .....	97	■
7.03 Non-wage labor costs* .....	43	■
7.04 Rigidity of employment* .....	45	■
7.05 Hiring and firing practices .....	8	■
7.06 Firing costs* .....	19	■
7.07 Pay and productivity .....	29	■
7.08 Reliance on professional management .....	15	■
7.09 Brain drain .....	8	■
7.10 Female participation in labor force* .....	16	■
<b>8th pillar: Financial market sophistication</b>		
8.01 Financial market sophistication .....	28	■
8.02 Financing through local equity market .....	42	■
8.03 Ease of access to loans .....	18	■
8.04 Venture capital availability .....	21	■
8.05 Restriction on capital flows .....	2	■
8.06 Strength of investor protection* .....	50	■
8.07 Soundness of banks .....	36	■
8.08 Regulation of securities exchanges .....	19	■
8.09 Legal rights index* .....	16	■
<b>9th pillar: Technological readiness</b>		
9.01 Availability of latest technologies .....	1	■
9.02 Firm-level technology absorption .....	1	■
9.03 Laws relating to ICT .....	11	■
9.04 FDI and technology transfer .....	93	■
9.05 Mobile telephone subscribers* .....	16	■
9.06 Internet users* .....	11	■
9.07 Personal computers* .....	19	■
9.08 Broadband Internet subscribers* .....	3	■
<b>10th pillar: Market size</b>		
10.01 Domestic market size* .....	118	■
10.02 Foreign market size* .....	113	■
<b>11th pillar: Business sophistication</b>		
11.01 Local supplier quantity .....	48	■
11.02 Local supplier quality .....	19	■
11.03 State of cluster development .....	44	■
11.04 Nature of competitive advantage .....	19	■
11.05 Value chain breadth .....	27	■
11.06 Control of international distribution .....	5	■
11.07 Production process sophistication .....	16	■
11.08 Extent of marketing .....	23	■
11.09 Willingness to delegate authority .....	8	■
<b>12th pillar: Innovation</b>		
12.01 Capacity for innovation .....	17	■
12.02 Quality of scientific research institutions .....	23	■
12.03 Company spending on R&D .....	17	■
12.04 University-industry research collaboration .....	15	■
12.05 Gov't procurement of advanced tech products .....	13	■
12.06 Availability of scientists and engineers .....	15	■
12.07 Utility patents* .....	16	■

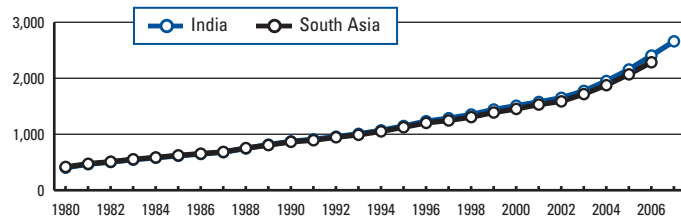


# India

## Key indicators

Total population (millions), 2007 .....	1,135.6
GDP (US\$ billions), 2007 .....	1,098.9
GDP per capita (US\$), 2007 .....	977.7
GDP (PPP) as share (%) of world total, 2007 .....	4.58

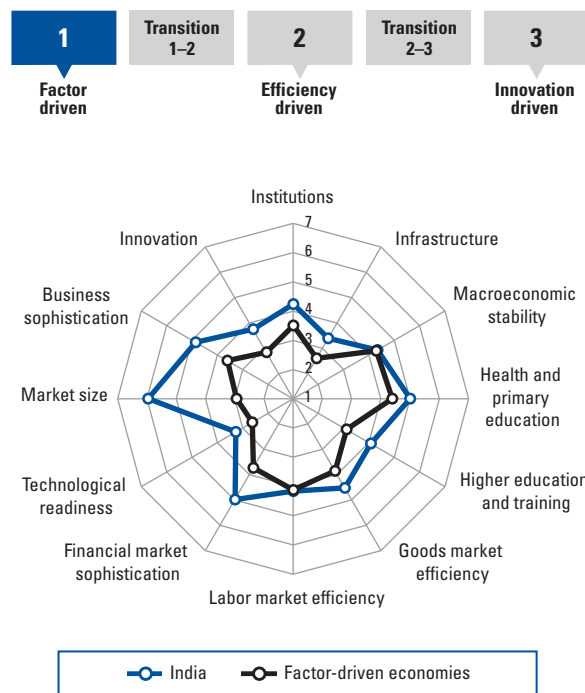
GDP (PPP US\$) per capita, 1980–2007



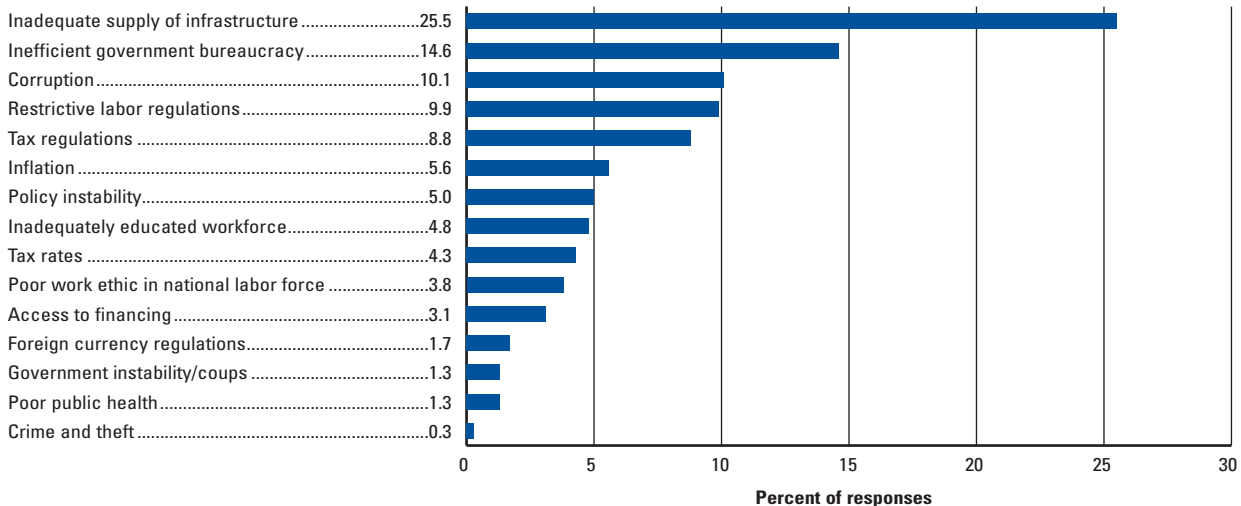
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>50</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	48	4.3
GCI 2006–2007 (out of 122) .....	42	4.5
<b>Basic requirements</b> .....	<b>80</b>	<b>4.2</b>
1st pillar: Institutions .....	53	4.2
2nd pillar: Infrastructure .....	72	3.4
3rd pillar: Macroeconomic stability .....	109	4.3
4th pillar: Health and primary education .....	100	5.0
<b>Efficiency enhancers</b> .....	<b>33</b>	<b>4.5</b>
5th pillar: Higher education and training .....	63	4.1
6th pillar: Goods market efficiency .....	47	4.5
7th pillar: Labor market efficiency .....	89	4.2
8th pillar: Financial market sophistication .....	34	5.0
9th pillar: Technological readiness .....	69	3.3
10th pillar: Market size .....	5	6.0
<b>Innovation and sophistication factors</b> .....	<b>27</b>	<b>4.3</b>
11th pillar: Business sophistication .....	27	4.8
12th pillar: Innovation .....	32	3.7

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	52
1.02 Intellectual property protection	57
1.03 Diversion of public funds	55
1.04 Public trust of politicians	84
1.05 Judicial independence	43
1.06 Favoritism in decisions of government officials	58
1.07 Wastefulness of government spending	62
1.08 Burden of government regulation	90
1.09 Efficiency of legal framework	42
1.10 Transparency of government policymaking	55
1.11 Business costs of terrorism	106
1.12 Business costs of crime and violence	53
1.13 Organized crime	71
1.14 Reliability of police services	62
1.15 Ethical behavior of firms	61
1.16 Strength of auditing and reporting standards	30
1.17 Efficacy of corporate boards	45
1.18 Protection of minority shareholders' interests	33
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	90
2.02 Quality of roads	87
2.03 Quality of railroad infrastructure	21
2.04 Quality of port infrastructure	93
2.05 Quality of air transport infrastructure	66
2.06 Available seat kilometers*	10
2.07 Quality of electricity supply	108
2.08 Telephone lines*	107
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	127
3.02 National savings rate*	19
3.03 Inflation*	77
3.04 Interest rate spread*	69
3.05 Government debt*	113
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	107
4.02 Malaria incidence*	100
4.03 Business impact of tuberculosis	92
4.04 Tuberculosis incidence*	99
4.05 Business impact of HIV/AIDS	98
4.06 HIV prevalence*	68
4.07 Infant mortality*	105
4.08 Life expectancy*	105
4.09 Quality of primary education	80
4.10 Primary enrollment*	94
4.11 Education expenditure*	77
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	104
5.02 Tertiary enrollment*	98
5.03 Quality of the educational system	37
5.04 Quality of math and science education	17
5.05 Quality of management schools	12
5.06 Internet access in schools	60
5.07 Local availability of research and training services	32
5.08 Extent of staff training	34

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

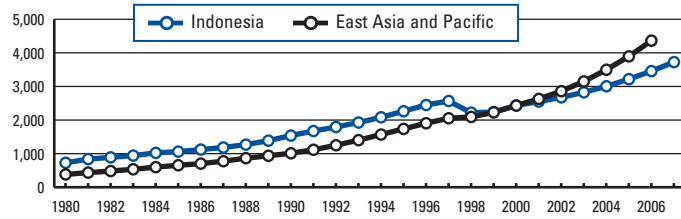
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	11
6.02 Extent of market dominance	19
6.03 Effectiveness of anti-monopoly policy	28
6.04 Extent and effect of taxation	28
6.05 Total tax rate*	117
6.06 No. of procedures required to start a business*	108
6.07 Time required to start a business*	77
6.08 Agricultural policy costs	82
6.09 Prevalence of trade barriers	69
6.10 Trade-weighted tariff rate*	131
6.11 Prevalence of foreign ownership	69
6.12 Business impact of rules on FDI	61
6.13 Burden of customs procedures	72
6.14 Degree of customer orientation	45
6.15 Buyer sophistication	38
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	44
7.02 Flexibility of wage determination	54
7.03 Non-wage labor costs*	69
7.04 Rigidity of employment*	48
7.05 Hiring and firing practices	104
7.06 Firing costs*	85
7.07 Pay and productivity	45
7.08 Reliance on professional management	24
7.09 Brain drain	49
7.10 Female participation in labor force*	122
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	33
8.02 Financing through local equity market	8
8.03 Ease of access to loans	42
8.04 Venture capital availability	27
8.05 Restriction on capital flows	83
8.06 Strength of investor protection*	26
8.07 Soundness of banks	51
8.08 Regulation of securities exchanges	25
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	43
9.02 Firm-level technology absorption	26
9.03 Laws relating to ICT	38
9.04 FDI and technology transfer	20
9.05 Mobile telephone subscribers*	115
9.06 Internet users*	84
9.07 Personal computers*	96
9.08 Broadband Internet subscribers*	92
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	4
10.02 Foreign market size*	5
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	4
11.02 Local supplier quality	37
11.03 State of cluster development	24
11.04 Nature of competitive advantage	83
11.05 Value chain breadth	28
11.06 Control of international distribution	29
11.07 Production process sophistication	41
11.08 Extent of marketing	28
11.09 Willingness to delegate authority	25
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	35
12.02 Quality of scientific research institutions	27
12.03 Company spending on R&D	29
12.04 University-industry research collaboration	45
12.05 Gov't procurement of advanced tech products	88
12.06 Availability of scientists and engineers	3
12.07 Utility patents*	57

# Indonesia

## Key indicators

Total population (millions), 2007 .....	228.1
GDP (US\$ billions), 2007 .....	432.9
GDP per capita (US\$), 2007 .....	1,924.7
GDP (PPP) as share (%) of world total, 2007 .....	1.30

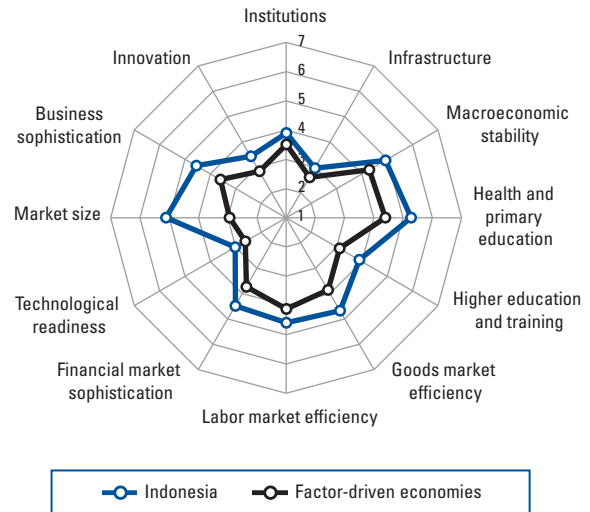
GDP (PPP US\$) per capita, 1980–2007



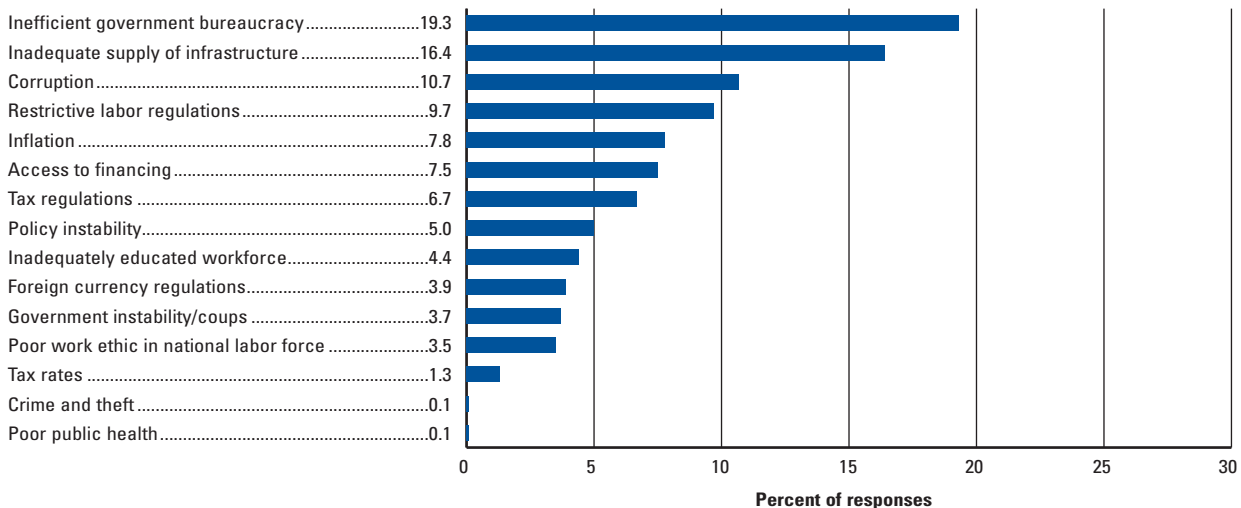
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>55</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	54	4.2
GCI 2006–2007 (out of 122) .....	54	4.2
<b>Basic requirements</b> .....	<b>76</b>	<b>4.3</b>
1st pillar: Institutions .....	68	3.9
2nd pillar: Infrastructure .....	86	3.0
3rd pillar: Macroeconomic stability .....	72	4.9
4th pillar: Health and primary education .....	87	5.3
<b>Efficiency enhancers</b> .....	<b>49</b>	<b>4.3</b>
5th pillar: Higher education and training .....	71	3.9
6th pillar: Goods market efficiency .....	37	4.7
7th pillar: Labor market efficiency .....	43	4.6
8th pillar: Financial market sophistication .....	57	4.5
9th pillar: Technological readiness .....	88	3.0
10th pillar: Market size .....	17	5.1
<b>Innovation and sophistication factors</b> .....	<b>45</b>	<b>4.0</b>
11th pillar: Business sophistication .....	39	4.5
12th pillar: Innovation .....	47	3.4

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....117	6.01	Intensity of local competition .....44
1.02	Intellectual property protection .....102	6.02	Extent of market dominance .....28
1.03	Diversion of public funds .....68	6.03	Effectiveness of anti-monopoly policy .....29
1.04	Public trust of politicians .....59	6.04	Extent and effect of taxation .....16
1.05	Judicial independence .....80	6.05	Total tax rate* .....46
1.06	Favoritism in decisions of government officials .....45	6.06	No. of procedures required to start a business* .....103
1.07	Wastefulness of government spending .....23	6.07	Time required to start a business* .....123
1.08	Burden of government regulation .....45	6.08	Agricultural policy costs .....15
1.09	Efficiency of legal framework .....66	6.09	Prevalence of trade barriers .....34
1.10	Transparency of government policymaking .....121	6.10	Trade-weighted tariff rate* .....66
1.11	Business costs of terrorism .....81	6.11	Prevalence of foreign ownership .....24
1.12	Business costs of crime and violence .....47	6.12	Business impact of rules on FDI .....42
1.13	Organized crime .....61	6.13	Burden of customs procedures .....95
1.14	Reliability of police services .....85	6.14	Degree of customer orientation .....46
1.15	Ethical behavior of firms .....97	6.15	Buyer sophistication .....25
1.16	Strength of auditing and reporting standards .....75	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....27	7.01	Cooperation in labor-employer relations .....19
1.18	Protection of minority shareholders' interests .....34	7.02	Flexibility of wage determination .....79
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....30
2.01	Quality of overall infrastructure .....96	7.04	Rigidity of employment* .....87
2.02	Quality of roads .....105	7.05	Hiring and firing practices .....19
2.03	Quality of railroad infrastructure .....58	7.06	Firing costs* .....117
2.04	Quality of port infrastructure .....104	7.07	Pay and productivity .....18
2.05	Quality of air transport infrastructure .....75	7.08	Reliance on professional management .....47
2.06	Available seat kilometers* .....23	7.09	Brain drain .....19
2.07	Quality of electricity supply .....92	7.10	Female participation in labor force* .....102
2.08	Telephone lines* .....100	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....72
3.01	Government surplus/deficit* .....84	8.02	Financing through local equity market .....19
3.02	National savings rate* .....40	8.03	Ease of access to loans .....65
3.03	Inflation* .....79	8.04	Venture capital availability .....41
3.04	Interest rate spread* .....74	8.05	Restriction on capital flows .....37
3.05	Government debt* .....63	8.06	Strength of investor protection* .....39
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....121
4.01	Business impact of malaria .....93	8.08	Regulation of securities exchanges .....37
4.02	Malaria incidence* .....96	8.09	Legal rights index* .....52
4.03	Business impact of tuberculosis .....86	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....109	9.01	Availability of latest technologies .....61
4.05	Business impact of HIV/AIDS .....78	9.02	Firm-level technology absorption .....65
4.06	HIV prevalence* .....50	9.03	Laws relating to ICT .....71
4.07	Infant mortality* .....88	9.04	FDI and technology transfer .....24
4.08	Life expectancy* .....89	9.05	Mobile telephone subscribers* .....100
4.09	Quality of primary education .....51	9.06	Internet users* .....107
4.10	Primary enrollment* .....48	9.07	Personal computers* .....105
4.11	Education expenditure* .....126	9.08	Broadband Internet subscribers* .....100
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....102	10.01	Domestic market size* .....16
5.02	Tertiary enrollment* .....91	10.02	Foreign market size* .....24
5.03	Quality of the educational system .....39	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....46	11.01	Local supplier quantity .....50
5.05	Quality of management schools .....48	11.02	Local supplier quality .....57
5.06	Internet access in schools .....58	11.03	State of cluster development .....18
5.07	Local availability of research and training services .....43	11.04	Nature of competitive advantage .....38
5.08	Extent of staff training .....31	11.05	Value chain breadth .....36
		11.06	Control of international distribution .....35
		11.07	Production process sophistication .....72
		11.08	Extent of marketing .....55
		11.09	Willingness to delegate authority .....28
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....53
		12.02	Quality of scientific research institutions .....39
		12.03	Company spending on R&D .....34
		12.04	University-industry research collaboration .....54
		12.05	Gov't procurement of advanced tech products .....87
		12.06	Availability of scientists and engineers .....31
		12.07	Utility patents* .....84

\* Hard data

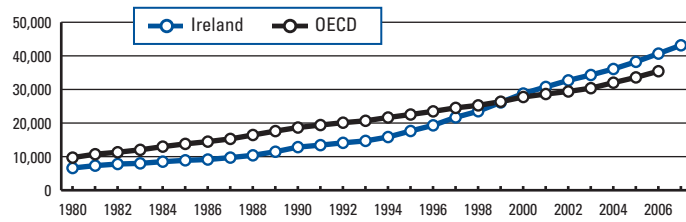
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Ireland

## Key indicators

Total population (millions), 2007 .....	4.3
GDP (US\$ billions), 2007 .....	258.6
GDP per capita (US\$), 2007 .....	59,924.4
GDP (PPP) as share (%) of world total, 2007 .....	0.29

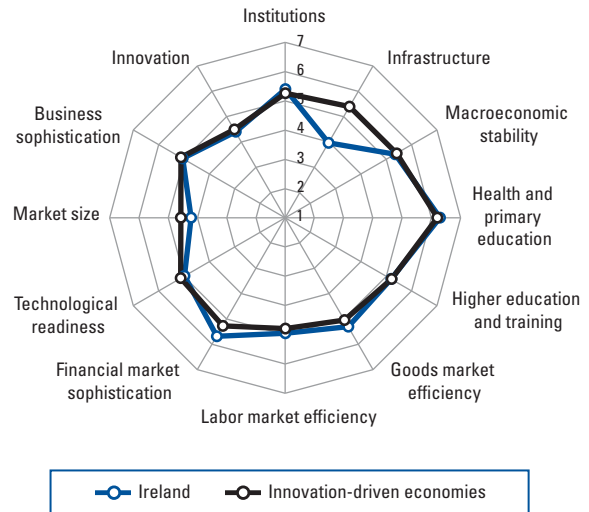
GDP (PPP US\$) per capita, 1980–2007



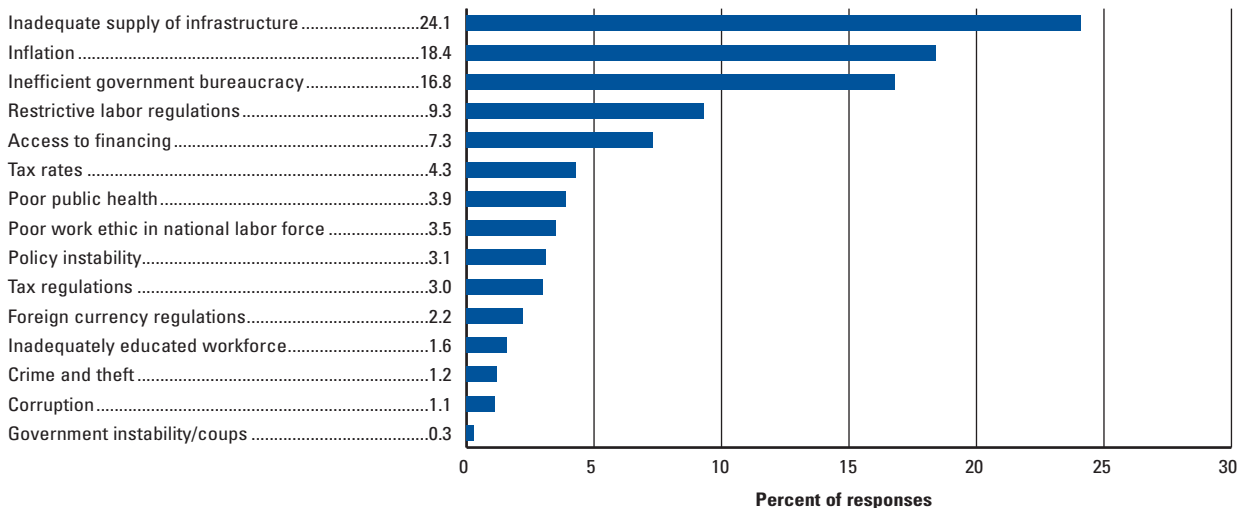
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>22</b>	<b>5.0</b>
GCI 2007–2008 (out of 131) .....	22	5.0
GCI 2006–2007 (out of 122) .....	22	5.1
<b>Basic requirements</b> .....	<b>32</b>	<b>5.2</b>
1st pillar: Institutions .....	17	5.4
2nd pillar: Infrastructure .....	53	4.0
3rd pillar: Macroeconomic stability .....	47	5.3
4th pillar: Health and primary education .....	14	6.3
<b>Efficiency enhancers</b> .....	<b>19</b>	<b>5.1</b>
5th pillar: Higher education and training .....	20	5.2
6th pillar: Goods market efficiency .....	9	5.3
7th pillar: Labor market efficiency .....	15	5.0
8th pillar: Financial market sophistication .....	7	5.7
9th pillar: Technological readiness .....	24	5.0
10th pillar: Market size .....	48	4.2
<b>Innovation and sophistication factors</b> .....	<b>20</b>	<b>4.7</b>
11th pillar: Business sophistication .....	19	5.1
12th pillar: Innovation .....	21	4.4

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights ..... 11	6.01	Intensity of local competition ..... 39
1.02	Intellectual property protection ..... 16	6.02	Extent of market dominance ..... 20
1.03	Diversion of public funds ..... 14	6.03	Effectiveness of anti-monopoly policy ..... 18
1.04	Public trust of politicians ..... 37	6.04	Extent and effect of taxation ..... 18
1.05	Judicial independence ..... 10	6.05	Total tax rate* ..... 17
1.06	Favoritism in decisions of government officials ..... 20	6.06	No. of procedures required to start a business* ..... 7
1.07	Wastefulness of government spending ..... 45	6.07	Time required to start a business* ..... 24
1.08	Burden of government regulation ..... 61	6.08	Agricultural policy costs ..... 25
1.09	Efficiency of legal framework ..... 22	6.09	Prevalence of trade barriers ..... 12
1.10	Transparency of government policymaking ..... 14	6.10	Trade-weighted tariff rate* ..... 5
1.11	Business costs of terrorism ..... 17	6.11	Prevalence of foreign ownership ..... 2
1.12	Business costs of crime and violence ..... 48	6.12	Business impact of rules on FDI ..... 1
1.13	Organized crime ..... 24	6.13	Burden of customs procedures ..... 19
1.14	Reliability of police services ..... 25	6.14	Degree of customer orientation ..... 20
1.15	Ethical behavior of firms ..... 16	6.15	Buyer sophistication ..... 20
1.16	Strength of auditing and reporting standards ..... 8	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards ..... 14	7.01	Cooperation in labor-employer relations ..... 25
1.18	Protection of minority shareholders' interests ..... 11	7.02	Flexibility of wage determination ..... 127
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* ..... 35
2.01	Quality of overall infrastructure ..... 64	7.04	Rigidity of employment* ..... 18
2.02	Quality of roads ..... 70	7.05	Hiring and firing practices ..... 85
2.03	Quality of railroad infrastructure ..... 51	7.06	Firing costs* ..... 39
2.04	Quality of port infrastructure ..... 64	7.07	Pay and productivity ..... 76
2.05	Quality of air transport infrastructure ..... 46	7.08	Reliance on professional management ..... 12
2.06	Available seat kilometers* ..... 35	7.09	Brain drain ..... 10
2.07	Quality of electricity supply ..... 29	7.10	Female participation in labor force* ..... 58
2.08	Telephone lines* ..... 16	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication ..... 13
3.01	Government surplus/deficit* ..... 55	8.02	Financing through local equity market ..... 51
3.02	National savings rate* ..... 75	8.03	Ease of access to loans ..... 19
3.03	Inflation* ..... 48	8.04	Venture capital availability ..... 11
3.04	Interest rate spread* ..... 63	8.05	Restriction on capital flows ..... 19
3.05	Government debt* ..... 51	8.06	Strength of investor protection* ..... 5
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks ..... 9
4.01	Business impact of malaria ..... 20	8.08	Regulation of securities exchanges ..... 16
4.02	Malaria incidence* ..... 1	8.09	Legal rights index* ..... 8
4.03	Business impact of tuberculosis ..... 28	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* ..... 24	9.01	Availability of latest technologies ..... 33
4.05	Business impact of HIV/AIDS ..... 24	9.02	Firm-level technology absorption ..... 29
4.06	HIV prevalence* ..... 50	9.03	Laws relating to ICT ..... 27
4.07	Infant mortality* ..... 10	9.04	FDI and technology transfer ..... 2
4.08	Life expectancy* ..... 12	9.05	Mobile telephone subscribers* ..... 13
4.09	Quality of primary education ..... 7	9.06	Internet users* ..... 42
4.10	Primary enrollment* ..... 54	9.07	Personal computers* ..... 17
4.11	Education expenditure* ..... 33	9.08	Broadband Internet subscribers* ..... 27
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* ..... 10	10.01	Domestic market size* ..... 51
5.02	Tertiary enrollment* ..... 27	10.02	Foreign market size* ..... 35
5.03	Quality of the educational system ..... 7	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education ..... 23	11.01	Local supplier quantity ..... 33
5.05	Quality of management schools ..... 14	11.02	Local supplier quality ..... 18
5.06	Internet access in schools ..... 44	11.03	State of cluster development ..... 26
5.07	Local availability of research and training services ..... 22	11.04	Nature of competitive advantage ..... 18
5.08	Extent of staff training ..... 21	11.05	Value chain breadth ..... 19
		11.06	Control of international distribution ..... 52
		11.07	Production process sophistication ..... 18
		11.08	Extent of marketing ..... 22
		11.09	Willingness to delegate authority ..... 24
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation ..... 26
		12.02	Quality of scientific research institutions ..... 17
		12.03	Company spending on R&D ..... 20
		12.04	University-industry research collaboration ..... 16
		12.05	Gov't procurement of advanced tech products ..... 43
		12.06	Availability of scientists and engineers ..... 14
		12.07	Utility patents* ..... 23

\* Hard data

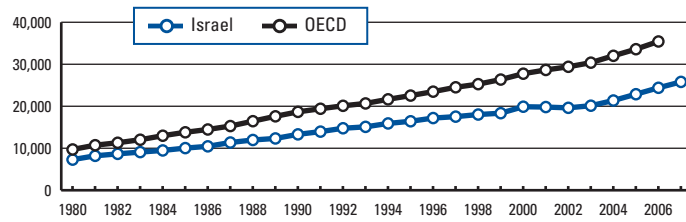
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Israel

## Key indicators

Total population (millions), 2007 .....	7.0
GDP (US\$ billions), 2007 .....	161.9
GDP per capita (US\$), 2007 .....	22,475.1
GDP (PPP) as share (%) of world total, 2007 .....	0.29

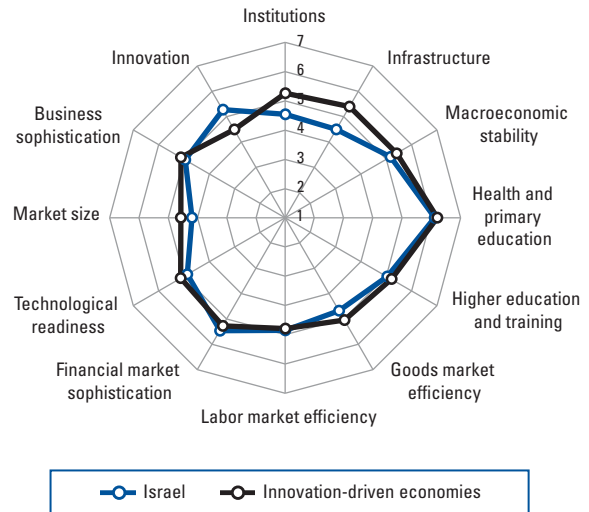
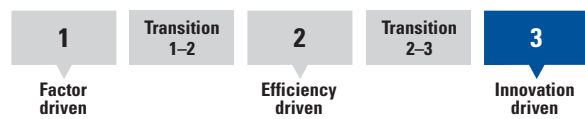
GDP (PPP US\$) per capita, 1980–2007



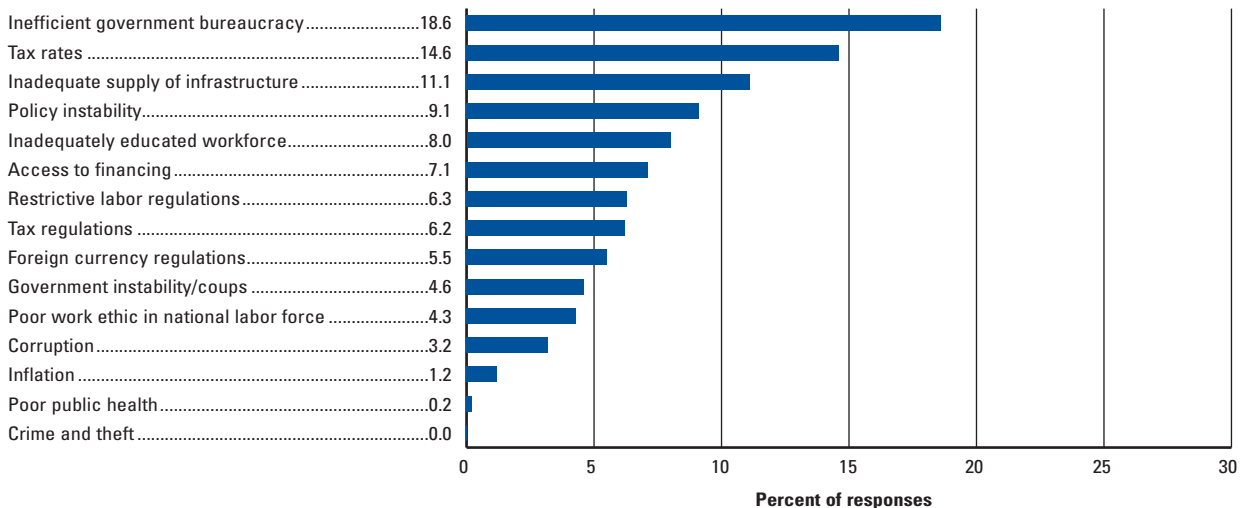
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>23</b>	<b>5.0</b>
GCI 2007–2008 (out of 131) .....	17	5.2
GCI 2006–2007 (out of 122) .....	14	5.3
<b>Basic requirements</b> .....	<b>41</b>	<b>5.1</b>
1st pillar: Institutions .....	47	4.5
2nd pillar: Infrastructure .....	37	4.5
3rd pillar: Macroeconomic stability .....	59	5.1
4th pillar: Health and primary education .....	25	6.1
<b>Efficiency enhancers</b> .....	<b>23</b>	<b>4.8</b>
5th pillar: Higher education and training .....	24	5.0
6th pillar: Goods market efficiency .....	36	4.7
7th pillar: Labor market efficiency .....	20	4.8
8th pillar: Financial market sophistication .....	15	5.5
9th pillar: Technological readiness .....	25	4.9
10th pillar: Market size .....	49	4.2
<b>Innovation and sophistication factors</b> .....	<b>13</b>	<b>5.1</b>
11th pillar: Business sophistication .....	23	5.0
12th pillar: Innovation .....	6	5.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....49	6.01	Intensity of local competition .....32
1.02	Intellectual property protection .....39	6.02	Extent of market dominance .....83
1.03	Diversion of public funds .....40	6.03	Effectiveness of anti-monopoly policy .....32
1.04	Public trust of politicians .....61	6.04	Extent and effect of taxation .....78
1.05	Judicial independence .....20	6.05	Total tax rate* .....40
1.06	Favoritism in decisions of government officials .....46	6.06	No. of procedures required to start a business* .....9
1.07	Wastefulness of government spending .....60	6.07	Time required to start a business* .....80
1.08	Burden of government regulation .....36	6.08	Agricultural policy costs .....34
1.09	Efficiency of legal framework .....48	6.09	Prevalence of trade barriers .....26
1.10	Transparency of government policymaking .....37	6.10	Trade-weighted tariff rate* .....53
1.11	Business costs of terrorism .....130	6.11	Prevalence of foreign ownership .....23
1.12	Business costs of crime and violence .....43	6.12	Business impact of rules on FDI .....48
1.13	Organized crime .....48	6.13	Burden of customs procedures .....32
1.14	Reliability of police services .....76	6.14	Degree of customer orientation .....54
1.15	Ethical behavior of firms .....46	6.15	Buyer sophistication .....37
1.16	Strength of auditing and reporting standards .....29	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....33	7.01	Cooperation in labor-employer relations .....49
1.18	Protection of minority shareholders' interests .....18	7.02	Flexibility of wage determination .....80
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....20
2.01	Quality of overall infrastructure .....42	7.04	Rigidity of employment* .....32
2.02	Quality of roads .....45	7.05	Hiring and firing practices .....36
2.03	Quality of railroad infrastructure .....40	7.06	Firing costs* .....108
2.04	Quality of port infrastructure .....53	7.07	Pay and productivity .....49
2.05	Quality of air transport infrastructure .....39	7.08	Reliance on professional management .....26
2.06	Available seat kilometers* .....43	7.09	Brain drain .....37
2.07	Quality of electricity supply .....28	7.10	Female participation in labor force* .....18
2.08	Telephone lines* .....26	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....24
3.01	Government surplus/deficit* .....72	8.02	Financing through local equity market .....14
3.02	National savings rate* .....65	8.03	Ease of access to loans .....33
3.03	Inflation* .....5	8.04	Venture capital availability .....8
3.04	Interest rate spread* .....19	8.05	Restriction on capital flows .....34
3.05	Government debt* .....115	8.06	Strength of investor protection* .....5
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....34
4.01	Business impact of malaria .....17	8.08	Regulation of securities exchanges .....48
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....8
4.03	Business impact of tuberculosis .....5	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....16	9.01	Availability of latest technologies .....16
4.05	Business impact of HIV/AIDS .....3	9.02	Firm-level technology absorption .....11
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....31
4.07	Infant mortality* .....10	9.04	FDI and technology transfer .....18
4.08	Life expectancy* .....5	9.05	Mobile telephone subscribers* .....6
4.09	Quality of primary education .....58	9.06	Internet users* .....48
4.10	Primary enrollment* .....33	9.07	Personal computers* .....37
4.11	Education expenditure* .....13	9.08	Broadband Internet subscribers* .....15
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....53	10.01	Domestic market size* .....48
5.02	Tertiary enrollment* .....28	10.02	Foreign market size* .....50
5.03	Quality of the educational system .....45	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....66	11.01	Local supplier quantity .....53
5.05	Quality of management schools .....24	11.02	Local supplier quality .....27
5.06	Internet access in schools .....23	11.03	State of cluster development .....32
5.07	Local availability of research and training services .....14	11.04	Nature of competitive advantage .....11
5.08	Extent of staff training .....32	11.05	Value chain breadth .....18
		11.06	Control of international distribution .....27
		11.07	Production process sophistication .....19
		11.08	Extent of marketing .....30
		11.09	Willingness to delegate authority .....23
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....10
		12.02	Quality of scientific research institutions .....3
		12.03	Company spending on R&D .....8
		12.04	University-industry research collaboration .....18
		12.05	Gov't procurement of advanced tech products .....5
		12.06	Availability of scientists and engineers .....9
		12.07	Utility patents* .....5

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

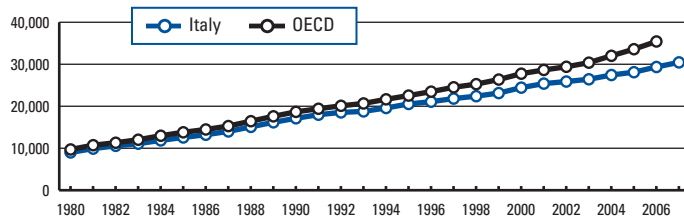


# Italy

## Key indicators

Total population (millions), 2007	58.2
GDP (US\$ billions), 2007	2,104.7
GDP per capita (US\$), 2007	35,872.4
GDP (PPP) as share (%) of world total, 2007	2.76

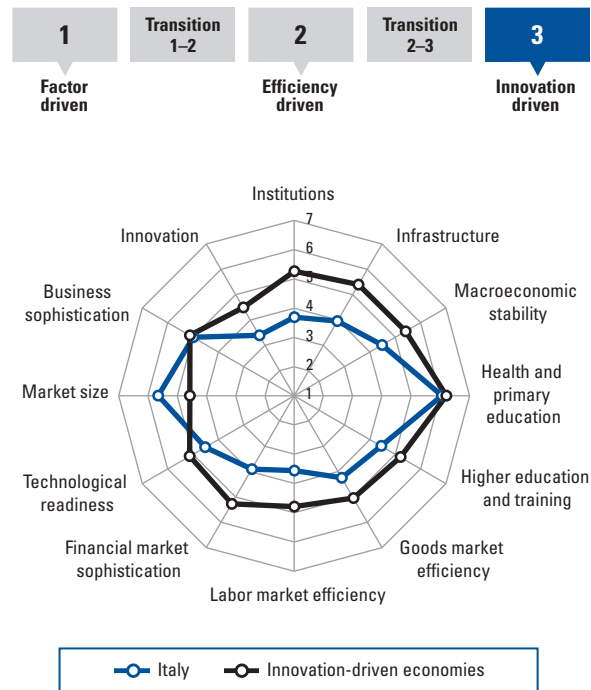
GDP (PPP US\$) per capita, 1980–2007



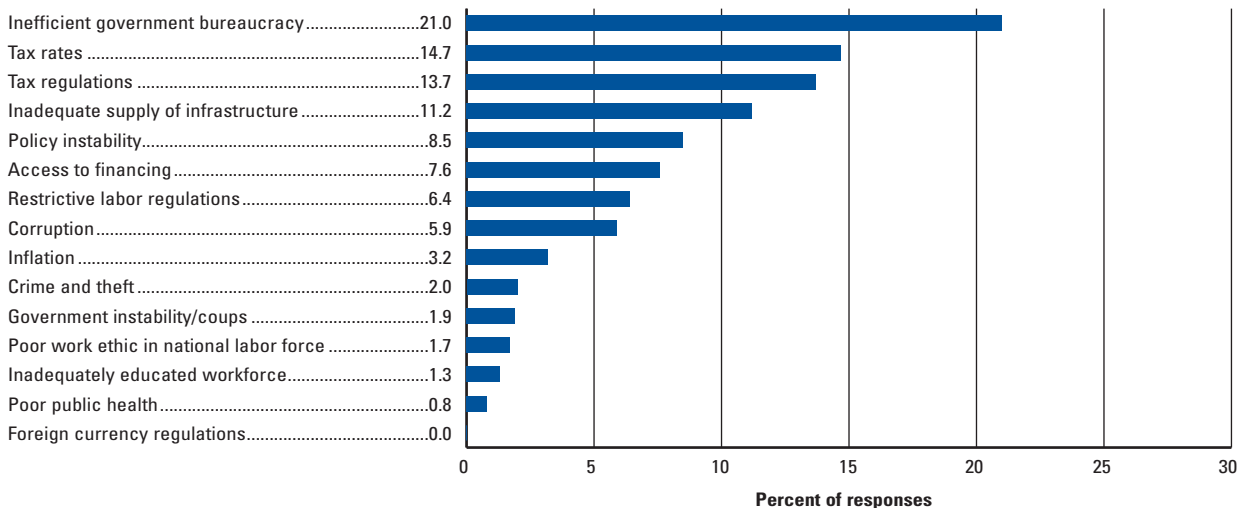
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>49</b>	<b>4.4</b>
GCI 2007–2008 (out of 131)	46	4.4
GCI 2006–2007 (out of 122)	47	4.4
<b>Basic requirements</b>	<b>58</b>	<b>4.5</b>
1st pillar: Institutions	84	3.7
2nd pillar: Infrastructure	54	3.9
3rd pillar: Macroeconomic stability	100	4.5
4th pillar: Health and primary education	30	6.0
<b>Efficiency enhancers</b>	<b>42</b>	<b>4.4</b>
5th pillar: Higher education and training	44	4.4
6th pillar: Goods market efficiency	62	4.2
7th pillar: Labor market efficiency	126	3.6
8th pillar: Financial market sophistication	91	3.9
9th pillar: Technological readiness	31	4.5
10th pillar: Market size	9	5.6
<b>Innovation and sophistication factors</b>	<b>31</b>	<b>4.2</b>
11th pillar: Business sophistication	21	5.0
12th pillar: Innovation	53	3.4

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	59	6.01 Intensity of local competition	104
1.02 Intellectual property protection	42	6.02 Extent of market dominance	30
1.03 Diversion of public funds	74	6.03 Effectiveness of anti-monopoly policy	59
1.04 Public trust of politicians	92	6.04 Extent and effect of taxation	129
1.05 Judicial independence	78	6.05 Total tax rate*	121
1.06 Favoritism in decisions of government officials	91	6.06 No. of procedures required to start a business*	58
1.07 Wastefulness of government spending	128	6.07 Time required to start a business*	24
1.08 Burden of government regulation	130	6.08 Agricultural policy costs	94
1.09 Efficiency of legal framework	114	6.09 Prevalence of trade barriers	46
1.10 Transparency of government policymaking	111	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	79	6.11 Prevalence of foreign ownership	106
1.12 Business costs of crime and violence	73	6.12 Business impact of rules on FDI	122
1.13 Organized crime	124	6.13 Burden of customs procedures	61
1.14 Reliability of police services	54	6.14 Degree of customer orientation	58
1.15 Ethical behavior of firms	78	6.15 Buyer sophistication	40
1.16 Strength of auditing and reporting standards	85		
1.17 Efficacy of corporate boards	117	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	110	7.01 Cooperation in labor-employer relations	126
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	129
2.01 Quality of overall infrastructure	73	7.03 Non-wage labor costs*	123
2.02 Quality of roads	55	7.04 Rigidity of employment*	70
2.03 Quality of railroad infrastructure	52	7.05 Hiring and firing practices	134
2.04 Quality of port infrastructure	95	7.06 Firing costs*	5
2.05 Quality of air transport infrastructure	78	7.07 Pay and productivity	131
2.06 Available seat kilometers*	13	7.08 Reliance on professional management	117
2.07 Quality of electricity supply	48	7.09 Brain drain	71
2.08 Telephone lines*	20	7.10 Female participation in labor force*	84
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	86	8.01 Financial market sophistication	70
3.02 National savings rate*	82	8.02 Financing through local equity market	74
3.03 Inflation*	21	8.03 Ease of access to loans	108
3.04 Interest rate spread*	104	8.04 Venture capital availability	87
3.05 Government debt*	123	8.05 Restriction on capital flows	123
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	39
4.01 Business impact of malaria	28	8.07 Soundness of banks	79
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	73
4.03 Business impact of tuberculosis	13	8.09 Legal rights index*	93
4.04 Tuberculosis incidence*	13	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	31	9.01 Availability of latest technologies	63
4.06 HIV prevalence*	74	9.02 Firm-level technology absorption	76
4.07 Infant mortality*	10	9.03 Laws relating to ICT	52
4.08 Life expectancy*	5	9.04 FDI and technology transfer	103
4.09 Quality of primary education	45	9.05 Mobile telephone subscribers*	2
4.10 Primary enrollment*	12	9.06 Internet users*	22
4.11 Education expenditure*	55	9.07 Personal computers*	29
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	26
5.01 Secondary enrollment*	26	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	19	10.01 Domestic market size*	10
5.03 Quality of the educational system	84	10.02 Foreign market size*	12
5.04 Quality of math and science education	69	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	61	11.01 Local supplier quantity	27
5.06 Internet access in schools	65	11.02 Local supplier quality	26
5.07 Local availability of research and training services	35	11.03 State of cluster development	4
5.08 Extent of staff training	109	11.04 Nature of competitive advantage	14
		11.05 Value chain breadth	13
		11.06 Control of international distribution	30
		11.07 Production process sophistication	25
		11.08 Extent of marketing	35
		11.09 Willingness to delegate authority	109
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	22
		12.02 Quality of scientific research institutions	99
		12.03 Company spending on R&D	51
		12.04 University-industry research collaboration	77
		12.05 Gov't procurement of advanced tech products	117
		12.06 Availability of scientists and engineers	45
		12.07 Utility patents*	25

\* Hard data

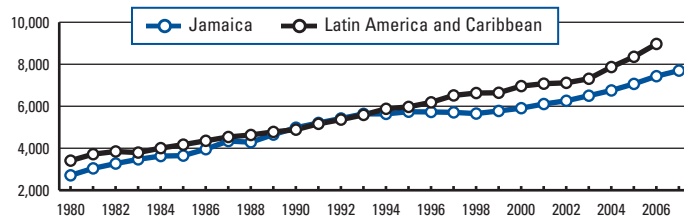
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Jamaica

## Key indicators

Total population (millions), 2007 .....	2.7
GDP (US\$ billions), 2007 .....	11.2
GDP per capita (US\$), 2007 .....	4,172.2
GDP (PPP) as share (%) of world total, 2007 .....	0.03

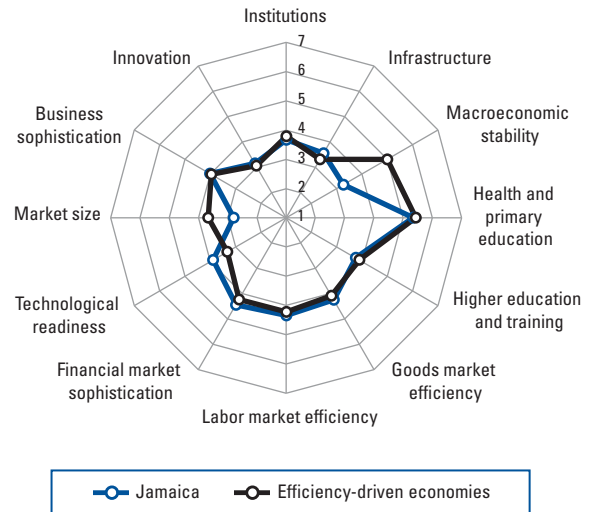
GDP (PPP US\$) per capita, 1980–2007



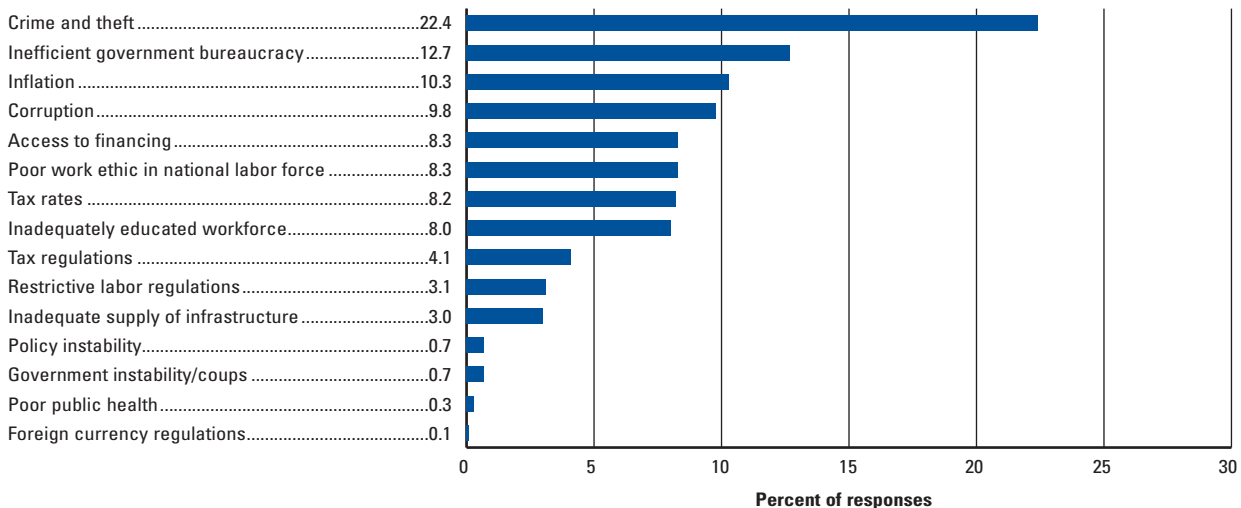
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>86</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	78	3.9
GCI 2006–2007 (out of 122) .....	67	4.1
<b>Basic requirements</b> .....	<b>97</b>	<b>3.9</b>
1st pillar: Institutions .....	86	3.7
2nd pillar: Infrastructure .....	67	3.5
3rd pillar: Macroeconomic stability .....	130	3.2
4th pillar: Health and primary education .....	77	5.3
<b>Efficiency enhancers</b> .....	<b>75</b>	<b>3.9</b>
5th pillar: Higher education and training .....	82	3.7
6th pillar: Goods market efficiency .....	63	4.2
7th pillar: Labor market efficiency .....	70	4.3
8th pillar: Financial market sophistication .....	59	4.4
9th pillar: Technological readiness .....	45	3.9
10th pillar: Market size .....	98	2.8
<b>Innovation and sophistication factors</b> .....	<b>72</b>	<b>3.6</b>
11th pillar: Business sophistication .....	69	4.0
12th pillar: Innovation .....	68	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	53 .....
1.02 Intellectual property protection .....	67 .....
1.03 Diversion of public funds .....	108 .....
1.04 Public trust of politicians .....	110 .....
1.05 Judicial independence .....	51 .....
1.06 Favoritism in decisions of government officials .....	104 .....
1.07 Wastefulness of government spending .....	113 .....
1.08 Burden of government regulation .....	120 .....
1.09 Efficiency of legal framework .....	85 .....
1.10 Transparency of government policymaking .....	77 .....
1.11 Business costs of terrorism .....	48 .....
1.12 Business costs of crime and violence .....	132 .....
1.13 Organized crime .....	130 .....
1.14 Reliability of police services .....	103 .....
1.15 Ethical behavior of firms .....	87 .....
1.16 Strength of auditing and reporting standards .....	41 .....
1.17 Efficacy of corporate boards .....	67 .....
1.18 Protection of minority shareholders' interests .....	59 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	61 .....
2.02 Quality of roads .....	60 .....
2.03 Quality of railroad infrastructure .....	119 .....
2.04 Quality of port infrastructure .....	32 .....
2.05 Quality of air transport infrastructure .....	41 .....
2.06 Available seat kilometers* .....	71 .....
2.07 Quality of electricity supply .....	83 .....
2.08 Telephone lines* .....	82 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	123 .....
3.02 National savings rate* .....	76 .....
3.03 Inflation* .....	112 .....
3.04 Interest rate spread* .....	112 .....
3.05 Government debt* .....	127 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	101 .....
4.02 Malaria incidence* .....	1 .....
4.03 Business impact of tuberculosis .....	77 .....
4.04 Tuberculosis incidence* .....	13 .....
4.05 Business impact of HIV/AIDS .....	118 .....
4.06 HIV prevalence* .....	111 .....
4.07 Infant mortality* .....	67 .....
4.08 Life expectancy* .....	66 .....
4.09 Quality of primary education .....	106 .....
4.10 Primary enrollment* .....	83 .....
4.11 Education expenditure* .....	51 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	68 .....
5.02 Tertiary enrollment* .....	84 .....
5.03 Quality of the educational system .....	99 .....
5.04 Quality of math and science education .....	115 .....
5.05 Quality of management schools .....	64 .....
5.06 Internet access in schools .....	82 .....
5.07 Local availability of research and training services .....	57 .....
5.08 Extent of staff training .....	85 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	51 .....
6.02 Extent of market dominance .....	72 .....
6.03 Effectiveness of anti-monopoly policy .....	69 .....
6.04 Extent and effect of taxation .....	121 .....
6.05 Total tax rate* .....	93 .....
6.06 No. of procedures required to start a business* .....	19 .....
6.07 Time required to start a business* .....	15 .....
6.08 Agricultural policy costs .....	72 .....
6.09 Prevalence of trade barriers .....	23 .....
6.10 Trade-weighted tariff rate* .....	95 .....
6.11 Prevalence of foreign ownership .....	28 .....
6.12 Business impact of rules on FDI .....	36 .....
6.13 Burden of customs procedures .....	106 .....
6.14 Degree of customer orientation .....	95 .....
6.15 Buyer sophistication .....	66 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	123 .....
7.02 Flexibility of wage determination .....	63 .....
7.03 Non-wage labor costs* .....	43 .....
7.04 Rigidity of employment* .....	6 .....
7.05 Hiring and firing practices .....	66 .....
7.06 Firing costs* .....	90 .....
7.07 Pay and productivity .....	85 .....
7.08 Reliance on professional management .....	63 .....
7.09 Brain drain .....	110 .....
7.10 Female participation in labor force* .....	65 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	40 .....
8.02 Financing through local equity market .....	61 .....
8.03 Ease of access to loans .....	97 .....
8.04 Venture capital availability .....	104 .....
8.05 Restriction on capital flows .....	46 .....
8.06 Strength of investor protection* .....	50 .....
8.07 Soundness of banks .....	65 .....
8.08 Regulation of securities exchanges .....	61 .....
8.09 Legal rights index* .....	52 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	44 .....
9.02 Firm-level technology absorption .....	59 .....
9.03 Laws relating to ICT .....	68 .....
9.04 FDI and technology transfer .....	63 .....
9.05 Mobile telephone subscribers* .....	37 .....
9.06 Internet users* .....	27 .....
9.07 Personal computers* .....	73 .....
9.08 Broadband Internet subscribers* .....	55 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	98 .....
10.02 Foreign market size* .....	100 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	99 .....
11.02 Local supplier quality .....	79 .....
11.03 State of cluster development .....	94 .....
11.04 Nature of competitive advantage .....	26 .....
11.05 Value chain breadth .....	65 .....
11.06 Control of international distribution .....	89 .....
11.07 Production process sophistication .....	91 .....
11.08 Extent of marketing .....	52 .....
11.09 Willingness to delegate authority .....	66 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	81 .....
12.02 Quality of scientific research institutions .....	38 .....
12.03 Company spending on R&D .....	58 .....
12.04 University-industry research collaboration .....	55 .....
12.05 Gov't procurement of advanced tech products .....	102 .....
12.06 Availability of scientists and engineers .....	97 .....
12.07 Utility patents* .....	61 .....

\* Hard data

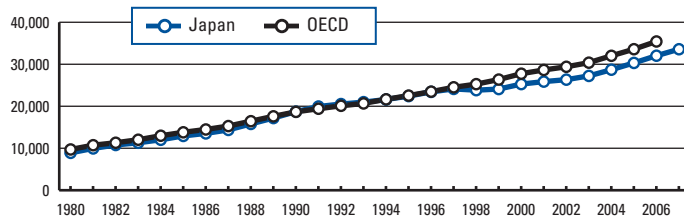
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Japan

## Key indicators

Total population (millions), 2007 .....	128.3
GDP (US\$ billions), 2007 .....	4,383.8
GDP per capita (US\$), 2007 .....	34,312.1
GDP (PPP) as share (%) of world total, 2007 .....	6.61

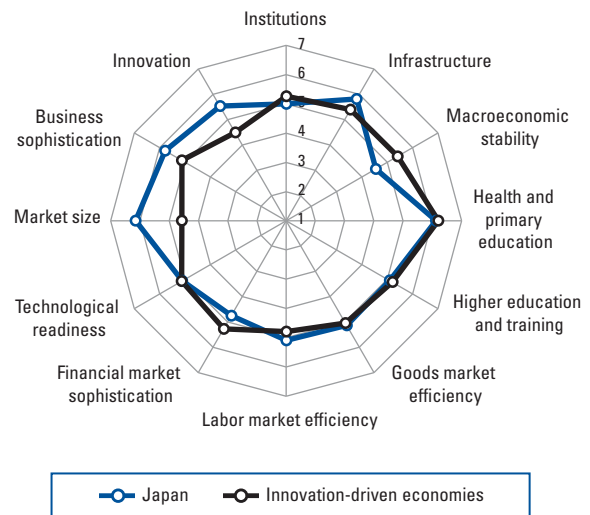
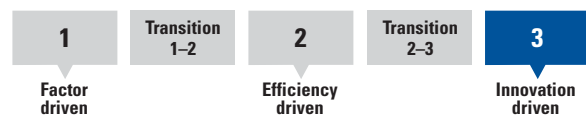
GDP (PPP US\$) per capita, 1980–2007



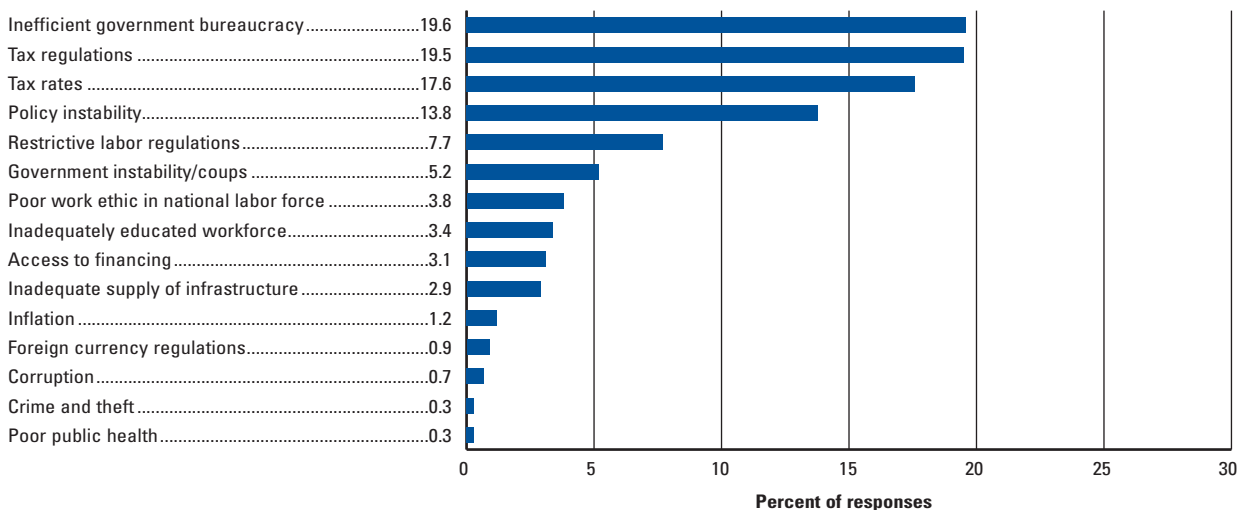
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>9</b>	<b>5.4</b>
GCI 2007–2008 (out of 131) .....	8	5.4
GCI 2006–2007 (out of 122) .....	5	5.5
<b>Basic requirements</b> .....	<b>26</b>	<b>5.4</b>
1st pillar: Institutions .....	26	5.0
2nd pillar: Infrastructure .....	11	5.8
3rd pillar: Macroeconomic stability .....	98	4.5
4th pillar: Health and primary education .....	22	6.1
<b>Efficiency enhancers</b> .....	<b>12</b>	<b>5.2</b>
5th pillar: Higher education and training .....	23	5.1
6th pillar: Goods market efficiency .....	18	5.1
7th pillar: Labor market efficiency .....	11	5.1
8th pillar: Financial market sophistication .....	42	4.8
9th pillar: Technological readiness .....	21	5.1
10th pillar: Market size .....	3	6.1
<b>Innovation and sophistication factors</b> .....	<b>3</b>	<b>5.6</b>
11th pillar: Business sophistication .....	3	5.8
12th pillar: Innovation .....	4	5.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	15
1.02 Intellectual property protection	14
1.03 Diversion of public funds	36
1.04 Public trust of politicians	45
1.05 Judicial independence	25
1.06 Favoritism in decisions of government officials	19
1.07 Wastefulness of government spending	108
1.08 Burden of government regulation	9
1.09 Efficiency of legal framework	17
1.10 Transparency of government policymaking	19
1.11 Business costs of terrorism	112
1.12 Business costs of crime and violence	57
1.13 Organized crime	81
1.14 Reliability of police services	22
1.15 Ethical behavior of firms	24
1.16 Strength of auditing and reporting standards	44
1.17 Efficacy of corporate boards	28
1.18 Protection of minority shareholders' interests	45
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	16
2.02 Quality of roads	19
2.03 Quality of railroad infrastructure	3
2.04 Quality of port infrastructure	25
2.05 Quality of air transport infrastructure	49
2.06 Available seat kilometers*	4
2.07 Quality of electricity supply	6
2.08 Telephone lines*	28
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	110
3.02 National savings rate*	37
3.03 Inflation*	3
3.04 Interest rate spread*	2
3.05 Government debt*	129
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	51
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	40
4.04 Tuberculosis incidence*	40
4.05 Business impact of HIV/AIDS	46
4.06 HIV prevalence*	1
4.07 Infant mortality*	4
4.08 Life expectancy*	1
4.09 Quality of primary education	27
4.10 Primary enrollment*	2
4.11 Education expenditure*	96
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	22
5.02 Tertiary enrollment*	29
5.03 Quality of the educational system	31
5.04 Quality of math and science education	33
5.05 Quality of management schools	82
5.06 Internet access in schools	25
5.07 Local availability of research and training services	12
5.08 Extent of staff training	5

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	9
6.02 Extent of market dominance	4
6.03 Effectiveness of anti-monopoly policy	21
6.04 Extent and effect of taxation	93
6.05 Total tax rate*	98
6.06 No. of procedures required to start a business*	44
6.07 Time required to start a business*	48
6.08 Agricultural policy costs	130
6.09 Prevalence of trade barriers	85
6.10 Trade-weighted tariff rate*	40
6.11 Prevalence of foreign ownership	99
6.12 Business impact of rules on FDI	90
6.13 Burden of customs procedures	47
6.14 Degree of customer orientation	1
6.15 Buyer sophistication	2
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	6
7.02 Flexibility of wage determination	14
7.03 Non-wage labor costs*	46
7.04 Rigidity of employment*	18
7.05 Hiring and firing practices	111
7.06 Firing costs*	7
7.07 Pay and productivity	12
7.08 Reliance on professional management	17
7.09 Brain drain	14
7.10 Female participation in labor force*	79
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	48
8.02 Financing through local equity market	13
8.03 Ease of access to loans	67
8.04 Venture capital availability	48
8.05 Restriction on capital flows	54
8.06 Strength of investor protection*	12
8.07 Soundness of banks	93
8.08 Regulation of securities exchanges	38
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	13
9.02 Firm-level technology absorption	2
9.03 Laws relating to ICT	32
9.04 FDI and technology transfer	36
9.05 Mobile telephone subscribers*	52
9.06 Internet users*	10
9.07 Personal computers*	26
9.08 Broadband Internet subscribers*	16
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	3
10.02 Foreign market size*	4
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	1
11.02 Local supplier quality	4
11.03 State of cluster development	5
11.04 Nature of competitive advantage	4
11.05 Value chain breadth	2
11.06 Control of international distribution	8
11.07 Production process sophistication	1
11.08 Extent of marketing	19
11.09 Willingness to delegate authority	18
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	2
12.02 Quality of scientific research institutions	15
12.03 Company spending on R&D	2
12.04 University-industry research collaboration	21
12.05 Gov't procurement of advanced tech products	42
12.06 Availability of scientists and engineers	2
12.07 Utility patents*	3

\* Hard data

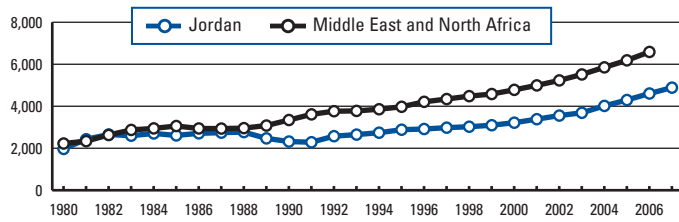
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Jordan

## Key indicators

Total population (millions), 2007 .....	6.0
GDP (US\$ billions), 2007 .....	16.0
GDP per capita (US\$), 2007 .....	2,795.5
GDP (PPP) as share (%) of world total, 2007 .....	0.04

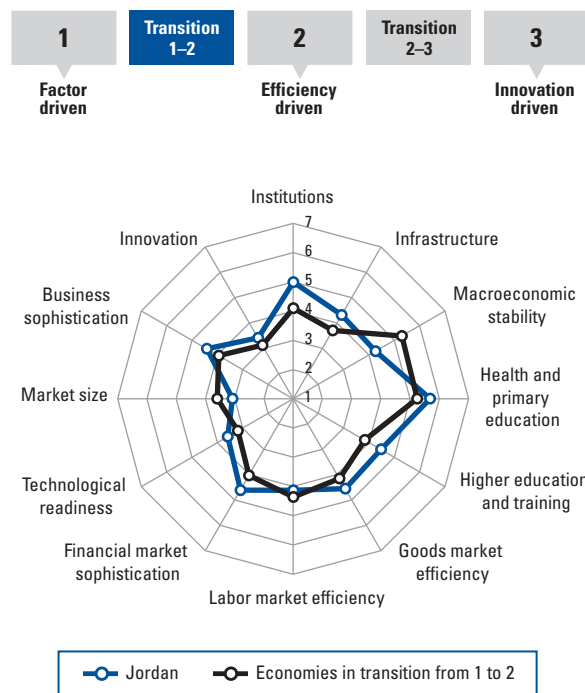
GDP (PPP US\$) per capita, 1980–2007



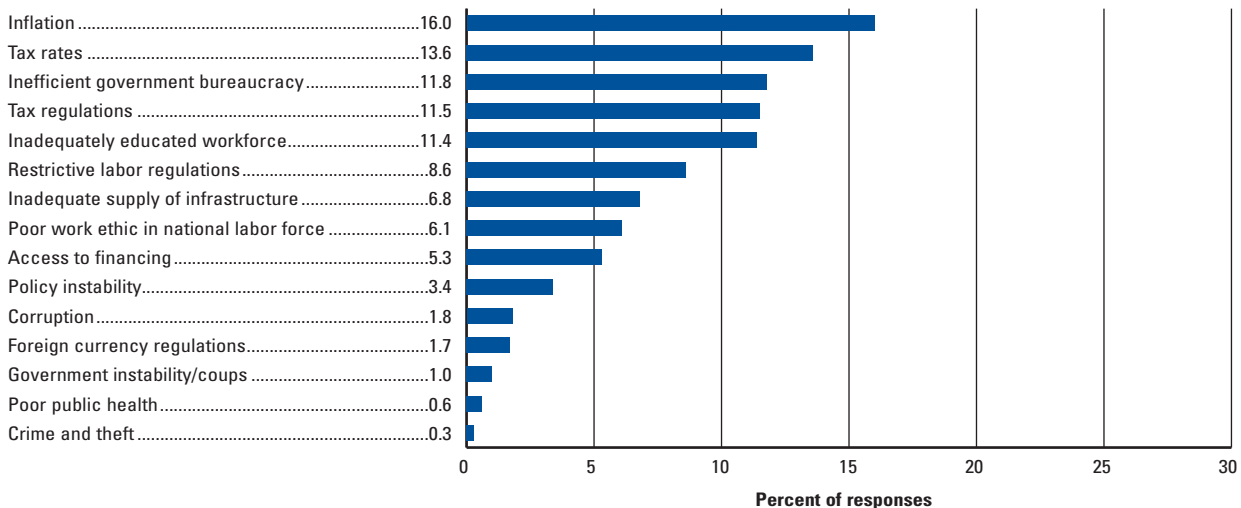
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>48</b>	<b>4.4</b>
GCI 2007–2008 (out of 131) .....	49	4.3
GCI 2006–2007 (out of 122) .....	46	4.4
<b>Basic requirements</b> .....	<b>47</b>	<b>4.8</b>
1st pillar: Institutions .....	27	5.0
2nd pillar: Infrastructure .....	44	4.3
3rd pillar: Macroeconomic stability .....	111	4.2
4th pillar: Health and primary education .....	56	5.7
<b>Efficiency enhancers</b> .....	<b>63</b>	<b>4.1</b>
5th pillar: Higher education and training .....	42	4.5
6th pillar: Goods market efficiency .....	44	4.5
7th pillar: Labor market efficiency .....	93	4.1
8th pillar: Financial market sophistication .....	48	4.6
9th pillar: Technological readiness .....	57	3.6
10th pillar: Market size .....	88	3.1
<b>Innovation and sophistication factors</b> .....	<b>47</b>	<b>3.9</b>
11th pillar: Business sophistication .....	47	4.4
12th pillar: Innovation .....	51	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	23 .....	6.01 Intensity of local competition .....	24 .....
1.02 Intellectual property protection .....	36 .....	6.02 Extent of market dominance .....	34 .....
1.03 Diversion of public funds .....	35 .....	6.03 Effectiveness of anti-monopoly policy .....	38 .....
1.04 Public trust of politicians .....	33 .....	6.04 Extent and effect of taxation .....	80 .....
1.05 Judicial independence .....	41 .....	6.05 Total tax rate* .....	20 .....
1.06 Favoritism in decisions of government officials .....	34 .....	6.06 No. of procedures required to start a business* .....	75 .....
1.07 Wastefulness of government spending .....	26 .....	6.07 Time required to start a business* .....	27 .....
1.08 Burden of government regulation .....	18 .....	6.08 Agricultural policy costs .....	55 .....
1.09 Efficiency of legal framework .....	29 .....	6.09 Prevalence of trade barriers .....	73 .....
1.10 Transparency of government policymaking .....	49 .....	6.10 Trade-weighted tariff rate* .....	112 .....
1.11 Business costs of terrorism .....	52 .....	6.11 Prevalence of foreign ownership .....	45 .....
1.12 Business costs of crime and violence .....	14 .....	6.12 Business impact of rules on FDI .....	44 .....
1.13 Organized crime .....	11 .....	6.13 Burden of customs procedures .....	34 .....
1.14 Reliability of police services .....	20 .....	6.14 Degree of customer orientation .....	34 .....
1.15 Ethical behavior of firms .....	28 .....	6.15 Buyer sophistication .....	83 .....
1.16 Strength of auditing and reporting standards .....	34 .....		
1.17 Efficacy of corporate boards .....	57 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	28 .....	7.01 Cooperation in labor-employer relations .....	47 .....
		7.02 Flexibility of wage determination .....	31 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	35 .....
2.01 Quality of overall infrastructure .....	34 .....	7.04 Rigidity of employment* .....	48 .....
2.02 Quality of roads .....	38 .....	7.05 Hiring and firing practices .....	109 .....
2.03 Quality of railroad infrastructure .....	91 .....	7.06 Firing costs* .....	7 .....
2.04 Quality of port infrastructure .....	46 .....	7.07 Pay and productivity .....	63 .....
2.05 Quality of air transport infrastructure .....	31 .....	7.08 Reliance on professional management .....	88 .....
2.06 Available seat kilometers* .....	66 .....	7.09 Brain drain .....	90 .....
2.07 Quality of electricity supply .....	36 .....	7.10 Female participation in labor force* .....	128 .....
2.08 Telephone lines* .....	87 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	58 .....
3.01 Government surplus/deficit* .....	122 .....	8.02 Financing through local equity market .....	22 .....
3.02 National savings rate* .....	115 .....	8.03 Ease of access to loans .....	55 .....
3.03 Inflation* .....	67 .....	8.04 Venture capital availability .....	51 .....
3.04 Interest rate spread* .....	30 .....	8.05 Restriction on capital flows .....	44 .....
3.05 Government debt* .....	112 .....	8.06 Strength of investor protection* .....	86 .....
		8.07 Soundness of banks .....	58 .....
		8.08 Regulation of securities exchanges .....	47 .....
		8.09 Legal rights index* .....	52 .....
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria .....	41 .....	9.01 Availability of latest technologies .....	31 .....
4.02 Malaria incidence* .....	1 .....	9.02 Firm-level technology absorption .....	35 .....
4.03 Business impact of tuberculosis .....	26 .....	9.03 Laws relating to ICT .....	54 .....
4.04 Tuberculosis incidence* .....	3 .....	9.04 FDI and technology transfer .....	56 .....
4.05 Business impact of HIV/AIDS .....	10 .....	9.05 Mobile telephone subscribers* .....	57 .....
4.06 HIV prevalence* .....	1 .....	9.06 Internet users* .....	76 .....
4.07 Infant mortality* .....	77 .....	9.07 Personal computers* .....	76 .....
4.08 Life expectancy* .....	76 .....	9.08 Broadband Internet subscribers* .....	75 .....
4.09 Quality of primary education .....	49 .....		
4.10 Primary enrollment* .....	89 .....	<b>10th pillar: Market size</b>	
4.11 Education expenditure* .....	23 .....	10.01 Domestic market size* .....	89 .....
		10.02 Foreign market size* .....	85 .....
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment* .....	61 .....	11.01 Local supplier quantity .....	30 .....
5.02 Tertiary enrollment* .....	54 .....	11.02 Local supplier quality .....	56 .....
5.03 Quality of the educational system .....	27 .....	11.03 State of cluster development .....	41 .....
5.04 Quality of math and science education .....	37 .....	11.04 Nature of competitive advantage .....	50 .....
5.05 Quality of management schools .....	45 .....	11.05 Value chain breadth .....	52 .....
5.06 Internet access in schools .....	51 .....	11.06 Control of international distribution .....	41 .....
5.07 Local availability of research and training services .....	53 .....	11.07 Production process sophistication .....	44 .....
5.08 Extent of staff training .....	50 .....	11.08 Extent of marketing .....	66 .....
		11.09 Willingness to delegate authority .....	47 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	66 .....
		12.02 Quality of scientific research institutions .....	51 .....
		12.03 Company spending on R&D .....	79 .....
		12.04 University-industry research collaboration .....	60 .....
		12.05 Gov't procurement of advanced tech products .....	33 .....
		12.06 Availability of scientists and engineers .....	39 .....
		12.07 Utility patents* .....	63 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

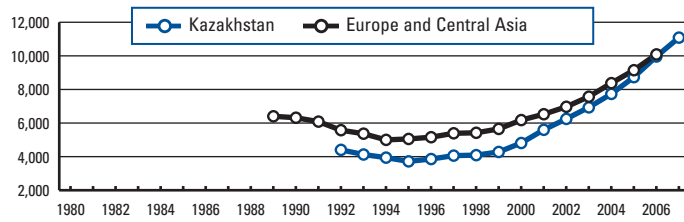


# Kazakhstan

## Key indicators

Total population (millions), 2007 .....	14.8
GDP (US\$ billions), 2007 .....	103.8
GDP per capita (US\$), 2007 .....	6,867.7
GDP (PPP) as share (%) of world total, 2007 .....	0.26

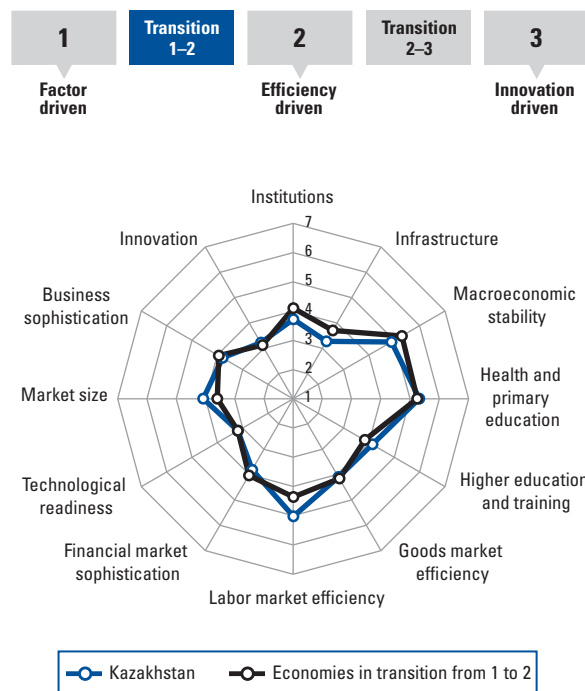
GDP (PPP US\$) per capita, 1980–2007



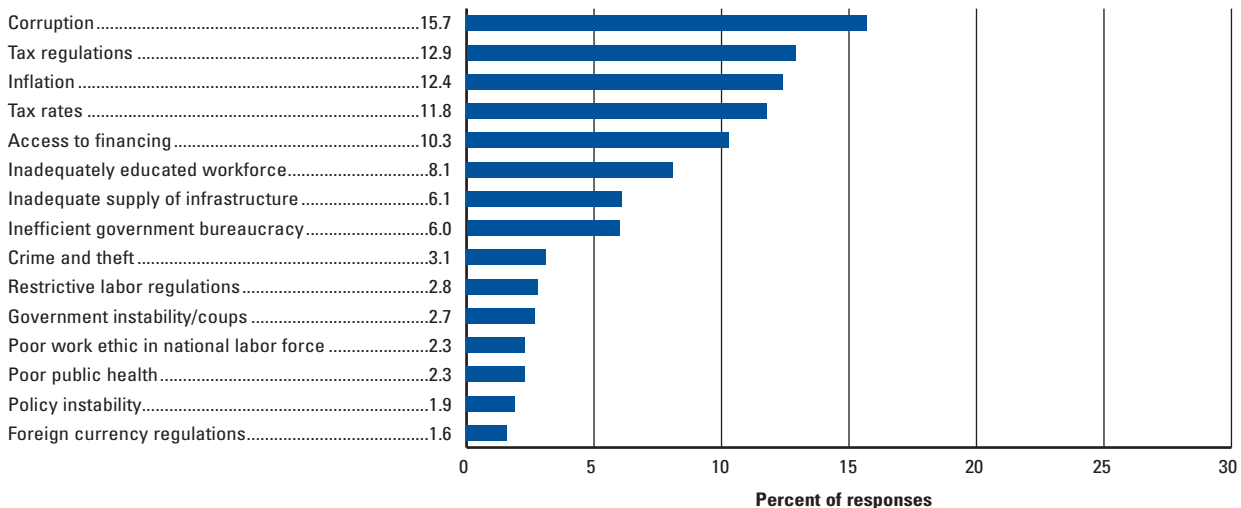
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>66</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	61	4.1
GCI 2006–2007 (out of 122) .....	50	4.3
<b>Basic requirements</b> .....	<b>74</b>	<b>4.3</b>
1st pillar: Institutions .....	81	3.7
2nd pillar: Infrastructure .....	76	3.3
3rd pillar: Macroeconomic stability .....	74	4.9
4th pillar: Health and primary education .....	81	5.3
<b>Efficiency enhancers</b> .....	<b>64</b>	<b>4.1</b>
5th pillar: Higher education and training .....	59	4.1
6th pillar: Goods market efficiency .....	80	4.1
7th pillar: Labor market efficiency .....	12	5.0
8th pillar: Financial market sophistication .....	97	3.8
9th pillar: Technological readiness .....	75	3.2
10th pillar: Market size .....	55	4.1
<b>Innovation and sophistication factors</b> .....	<b>77</b>	<b>3.5</b>
11th pillar: Business sophistication .....	86	3.8
12th pillar: Innovation .....	62	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....95	6.01	Intensity of local competition .....97
1.02	Intellectual property protection .....75	6.02	Extent of market dominance .....89
1.03	Diversion of public funds .....60	6.03	Effectiveness of anti-monopoly policy .....90
1.04	Public trust of politicians .....62	6.04	Extent and effect of taxation .....83
1.05	Judicial independence .....102	6.05	Total tax rate* .....43
1.06	Favoritism in decisions of government officials .....65	6.06	No. of procedures required to start a business* .....44
1.07	Wastefulness of government spending .....52	6.07	Time required to start a business* .....44
1.08	Burden of government regulation .....79	6.08	Agricultural policy costs .....93
1.09	Efficiency of legal framework .....67	6.09	Prevalence of trade barriers .....123
1.10	Transparency of government policymaking .....70	6.10	Trade-weighted tariff rate* .....47
1.11	Business costs of terrorism .....84	6.11	Prevalence of foreign ownership .....110
1.12	Business costs of crime and violence .....71	6.12	Business impact of rules on FDI .....101
1.13	Organized crime .....95	6.13	Burden of customs procedures .....104
1.14	Reliability of police services .....97	6.14	Degree of customer orientation .....74
1.15	Ethical behavior of firms .....103	6.15	Buyer sophistication .....75
1.16	Strength of auditing and reporting standards .....94	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....71	7.01	Cooperation in labor-employer relations .....63
1.18	Protection of minority shareholders' interests .....111	7.02	Flexibility of wage determination .....44
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....56
2.01	Quality of overall infrastructure .....71	7.04	Rigidity of employment* .....22
2.02	Quality of roads .....108	7.05	Hiring and firing practices .....4
2.03	Quality of railroad infrastructure .....34	7.06	Firing costs* .....15
2.04	Quality of port infrastructure .....101	7.07	Pay and productivity .....33
2.05	Quality of air transport infrastructure .....102	7.08	Reliance on professional management .....79
2.06	Available seat kilometers* .....62	7.09	Brain drain .....57
2.07	Quality of electricity supply .....81	7.10	Female participation in labor force* .....13
2.08	Telephone lines* .....64	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....86
3.01	Government surplus/deficit* .....59	8.02	Financing through local equity market .....96
3.02	National savings rate* .....48	8.03	Ease of access to loans .....59
3.03	Inflation* .....121	8.04	Venture capital availability .....55
3.04	Interest rate spread* .....n/a	8.05	Restriction on capital flows .....114
3.05	Government debt* .....13	8.06	Strength of investor protection* .....39
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....124
4.01	Business impact of malaria .....84	8.08	Regulation of securities exchanges .....113
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....52
4.03	Business impact of tuberculosis .....111	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....94	9.01	Availability of latest technologies .....93
4.05	Business impact of HIV/AIDS .....95	9.02	Firm-level technology absorption .....85
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....57
4.07	Infant mortality* .....87	9.04	FDI and technology transfer .....114
4.08	Life expectancy* .....101	9.05	Mobile telephone subscribers* .....79
4.09	Quality of primary education .....68	9.06	Internet users* .....90
4.10	Primary enrollment* .....85	9.07	Personal computers* .....n/a
4.11	Education expenditure* .....58	9.08	Broadband Internet subscribers* .....91
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....51	10.01	Domestic market size* .....54
5.02	Tertiary enrollment* .....36	10.02	Foreign market size* .....49
5.03	Quality of the educational system .....68	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....80	11.01	Local supplier quantity .....103
5.05	Quality of management schools .....98	11.02	Local supplier quality .....98
5.06	Internet access in schools .....54	11.03	State of cluster development .....80
5.07	Local availability of research and training services .....82	11.04	Nature of competitive advantage .....78
5.08	Extent of staff training .....92	11.05	Value chain breadth .....104
		11.06	Control of international distribution .....60
		11.07	Production process sophistication .....52
		11.08	Extent of marketing .....88
		11.09	Willingness to delegate authority .....99
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....50
		12.02	Quality of scientific research institutions .....58
		12.03	Company spending on R&D .....62
		12.04	University-industry research collaboration .....64
		12.05	Gov't procurement of advanced tech products .....59
		12.06	Availability of scientists and engineers .....83
		12.07	Utility patents* .....72

\* Hard data

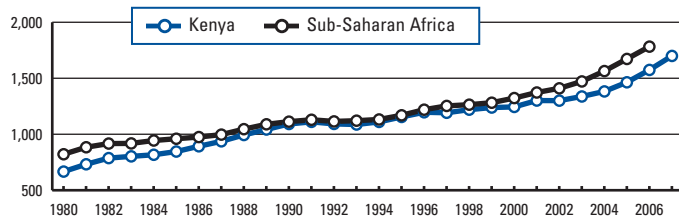
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Kenya

## Key indicators

Total population (millions), 2007 .....	36.0
GDP (US\$ billions), 2007 .....	29.3
GDP per capita (US\$), 2007 .....	845.5
GDP (PPP) as share (%) of world total, 2007 .....	0.09

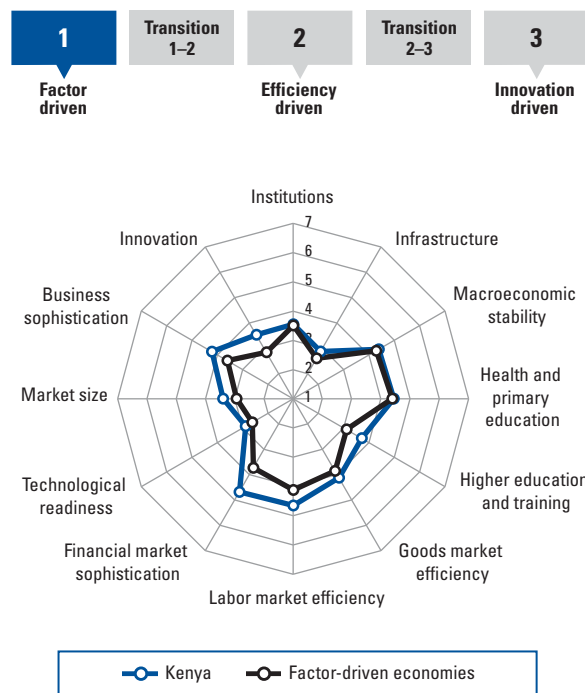
GDP (PPP US\$) per capita, 1980–2007



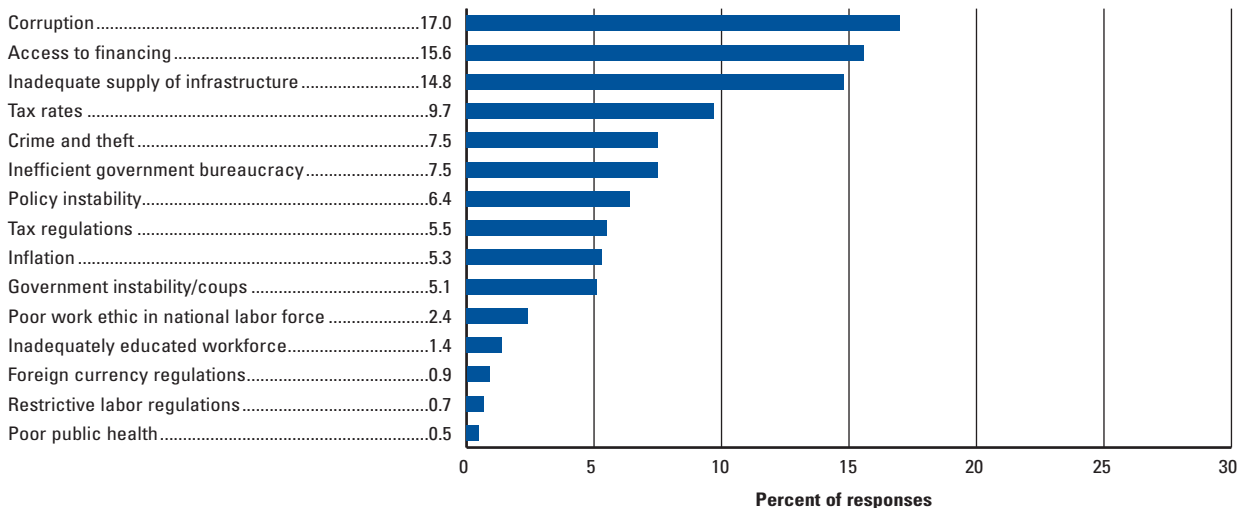
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>93</b>	<b>3.8</b>
GCI 2007–2008 (out of 131) .....	99	3.6
GCI 2006–2007 (out of 122) .....	88	3.7
<b>Basic requirements</b> .....	<b>104</b>	<b>3.8</b>
1st pillar: Institutions .....	93	3.5
2nd pillar: Infrastructure .....	91	2.9
3rd pillar: Macroeconomic stability .....	107	4.4
4th pillar: Health and primary education .....	108	4.4
<b>Efficiency enhancers</b> .....	<b>76</b>	<b>3.9</b>
5th pillar: Higher education and training .....	86	3.7
6th pillar: Goods market efficiency .....	74	4.1
7th pillar: Labor market efficiency .....	40	4.6
8th pillar: Financial market sophistication .....	44	4.7
9th pillar: Technological readiness .....	93	2.9
10th pillar: Market size .....	71	3.4
<b>Innovation and sophistication factors</b> .....	<b>50</b>	<b>3.9</b>
11th pillar: Business sophistication .....	63	4.2
12th pillar: Innovation .....	42	3.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....81	6.01	Intensity of local competition .....71
1.02	Intellectual property protection .....92	6.02	Extent of market dominance .....77
1.03	Diversion of public funds .....96	6.03	Effectiveness of anti-monopoly policy .....62
1.04	Public trust of politicians .....96	6.04	Extent and effect of taxation .....111
1.05	Judicial independence .....105	6.05	Total tax rate* .....91
1.06	Favoritism in decisions of government officials .....115	6.06	No. of procedures required to start a business* .....103
1.07	Wastefulness of government spending .....42	6.07	Time required to start a business* .....99
1.08	Burden of government regulation .....60	6.08	Agricultural policy costs .....28
1.09	Efficiency of legal framework .....84	6.09	Prevalence of trade barriers .....120
1.10	Transparency of government policymaking .....68	6.10	Trade-weighted tariff rate* .....80
1.11	Business costs of terrorism .....129	6.11	Prevalence of foreign ownership .....57
1.12	Business costs of crime and violence .....126	6.12	Business impact of rules on FDI .....79
1.13	Organized crime .....118	6.13	Burden of customs procedures .....100
1.14	Reliability of police services .....88	6.14	Degree of customer orientation .....33
1.15	Ethical behavior of firms .....65	6.15	Buyer sophistication .....96
1.16	Strength of auditing and reporting standards .....76	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....60	7.01	Cooperation in labor-employer relations .....85
1.18	Protection of minority shareholders' interests .....71	7.02	Flexibility of wage determination .....70
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....14
2.01	Quality of overall infrastructure .....88	7.04	Rigidity of employment* .....27
2.02	Quality of roads .....95	7.05	Hiring and firing practices .....21
2.03	Quality of railroad infrastructure .....68	7.06	Firing costs* .....78
2.04	Quality of port infrastructure .....83	7.07	Pay and productivity .....48
2.05	Quality of air transport infrastructure .....68	7.08	Reliance on professional management .....56
2.06	Available seat kilometers* .....56	7.09	Brain drain .....82
2.07	Quality of electricity supply .....94	7.10	Female participation in labor force* .....57
2.08	Telephone lines* .....121	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....64
3.01	Government surplus/deficit* .....83	8.02	Financing through local equity market .....25
3.02	National savings rate* .....94	8.03	Ease of access to loans .....36
3.03	Inflation* .....115	8.04	Venture capital availability .....61
3.04	Interest rate spread* .....103	8.05	Restriction on capital flows .....81
3.05	Government debt* .....72	8.06	Strength of investor protection* .....67
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....64
4.01	Business impact of malaria .....116	8.08	Regulation of securities exchanges .....92
4.02	Malaria incidence* .....107	8.09	Legal rights index* .....8
4.03	Business impact of tuberculosis .....113	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....124	9.01	Availability of latest technologies .....84
4.05	Business impact of HIV/AIDS .....120	9.02	Firm-level technology absorption .....66
4.06	HIV prevalence* .....125	9.03	Laws relating to ICT .....81
4.07	Infant mortality* .....115	9.04	FDI and technology transfer .....35
4.08	Life expectancy* .....118	9.05	Mobile telephone subscribers* .....111
4.09	Quality of primary education .....67	9.06	Internet users* .....94
4.10	Primary enrollment* .....116	9.07	Personal computers* .....110
4.11	Education expenditure* .....17	9.08	Broadband Internet subscribers* .....106
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....108	10.01	Domestic market size* .....69
5.02	Tertiary enrollment* .....126	10.02	Foreign market size* .....90
5.03	Quality of the educational system .....33	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....65	11.01	Local supplier quantity .....34
5.05	Quality of management schools .....55	11.02	Local supplier quality .....66
5.06	Internet access in schools .....114	11.03	State of cluster development .....47
5.07	Local availability of research and training services .....36	11.04	Nature of competitive advantage .....65
5.08	Extent of staff training .....47	11.05	Value chain breadth .....69
		11.06	Control of international distribution .....56
		11.07	Production process sophistication .....101
		11.08	Extent of marketing .....71
		11.09	Willingness to delegate authority .....56
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....44
		12.02	Quality of scientific research institutions .....32
		12.03	Company spending on R&D .....37
		12.04	University-industry research collaboration .....40
		12.05	Gov't procurement of advanced tech products .....56
		12.06	Availability of scientists and engineers .....42
		12.07	Utility patents* .....83

\* Hard data

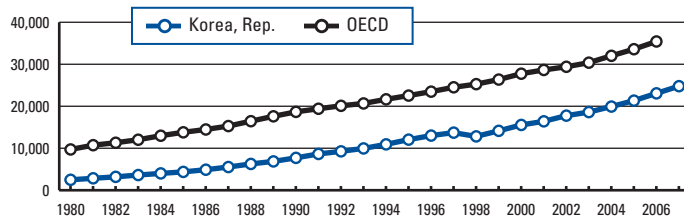
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Korea, Rep.

## Key indicators

Total population (millions), 2007 .....	48.1
GDP (US\$ billions), 2007 .....	957.1
GDP per capita (US\$), 2007 .....	19,750.8
GDP (PPP) as share (%) of world total, 2007 .....	1.85

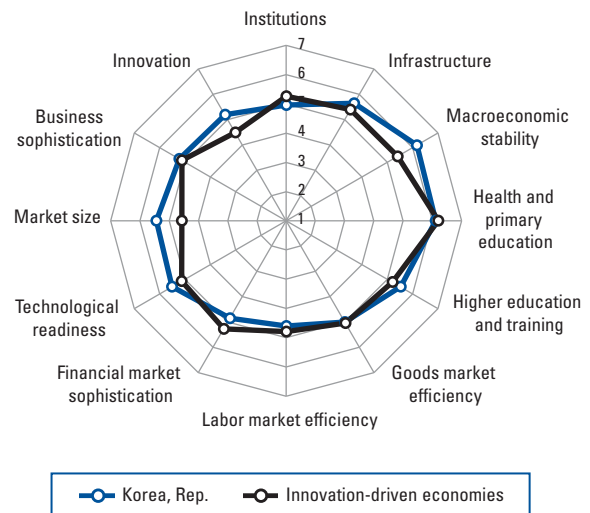
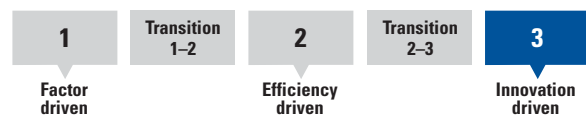
GDP (PPP US\$) per capita, 1980–2007



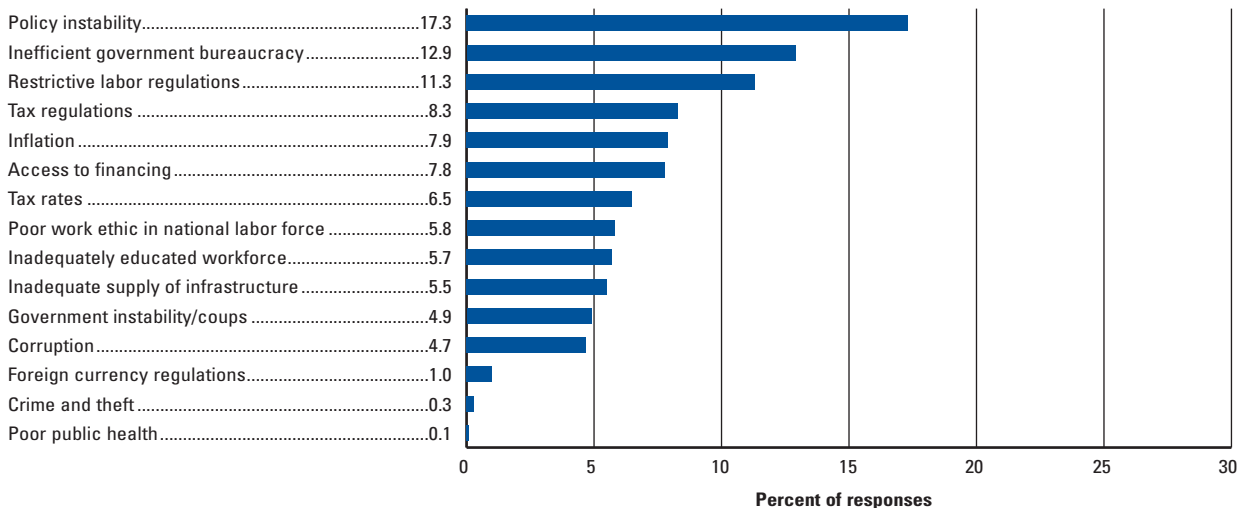
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>13</b>	<b>5.3</b>
GCI 2007–2008 (out of 131) .....	11	5.4
GCI 2006–2007 (out of 122) .....	23	5.1
<b>Basic requirements</b> .....	<b>16</b>	<b>5.7</b>
1st pillar: Institutions .....	28	4.9
2nd pillar: Infrastructure .....	15	5.6
3rd pillar: Macroeconomic stability .....	4	6.1
4th pillar: Health and primary education .....	26	6.1
<b>Efficiency enhancers</b> .....	<b>15</b>	<b>5.2</b>
5th pillar: Higher education and training .....	12	5.5
6th pillar: Goods market efficiency .....	22	5.0
7th pillar: Labor market efficiency .....	41	4.6
8th pillar: Financial market sophistication .....	37	4.9
9th pillar: Technological readiness .....	13	5.5
10th pillar: Market size .....	13	5.4
<b>Innovation and sophistication factors</b> .....	<b>10</b>	<b>5.2</b>
11th pillar: Business sophistication .....	16	5.2
12th pillar: Innovation .....	9	5.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	39 ■
1.02 Intellectual property protection .....	26 ■
1.03 Diversion of public funds .....	27 ■
1.04 Public trust of politicians .....	25 ■
1.05 Judicial independence .....	45 ■
1.06 Favoritism in decisions of government officials .....	22 ■
1.07 Wastefulness of government spending .....	33 ■
1.08 Burden of government regulation .....	24 ■
1.09 Efficiency of legal framework .....	38 ■
1.10 Transparency of government policymaking .....	44 ■
1.11 Business costs of terrorism .....	65 ■
1.12 Business costs of crime and violence .....	42 ■
1.13 Organized crime .....	43 ■
1.14 Reliability of police services .....	31 ■
1.15 Ethical behavior of firms .....	27 ■
1.16 Strength of auditing and reporting standards .....	36 ■
1.17 Efficacy of corporate boards .....	18 ■
1.18 Protection of minority shareholders' interests .....	37 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	18 ■
2.02 Quality of roads .....	13 ■
2.03 Quality of railroad infrastructure .....	7 ■
2.04 Quality of port infrastructure .....	29 ■
2.05 Quality of air transport infrastructure .....	26 ■
2.06 Available seat kilometers* .....	19 ■
2.07 Quality of electricity supply .....	21 ■
2.08 Telephone lines* .....	17 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	30 ■
3.02 National savings rate* .....	29 ■
3.03 Inflation* .....	40 ■
3.04 Interest rate spread* .....	3 ■
3.05 Government debt* .....	40 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	85 ■
4.02 Malaria incidence* .....	72 ■
4.03 Business impact of tuberculosis .....	76 ■
4.04 Tuberculosis incidence* .....	83 ■
4.05 Business impact of HIV/AIDS .....	60 ■
4.06 HIV prevalence* .....	1 ■
4.07 Infant mortality* .....	31 ■
4.08 Life expectancy* .....	22 ■
4.09 Quality of primary education .....	20 ■
4.10 Primary enrollment* .....	24 ■
4.11 Education expenditure* .....	71 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	35 ■
5.02 Tertiary enrollment* .....	3 ■
5.03 Quality of the educational system .....	29 ■
5.04 Quality of math and science education .....	11 ■
5.05 Quality of management schools .....	30 ■
5.06 Internet access in schools .....	5 ■
5.07 Local availability of research and training services .....	20 ■
5.08 Extent of staff training .....	10 ■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

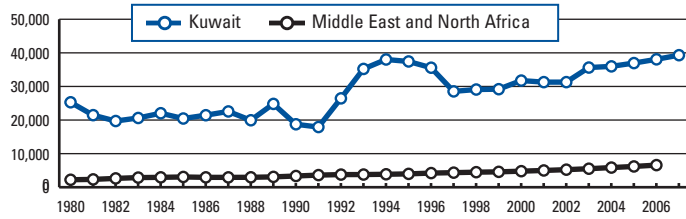
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	49 ■
6.02 Extent of market dominance .....	26 ■
6.03 Effectiveness of anti-monopoly policy .....	23 ■
6.04 Extent and effect of taxation .....	31 ■
6.05 Total tax rate* .....	33 ■
6.06 No. of procedures required to start a business* .....	75 ■
6.07 Time required to start a business* .....	36 ■
6.08 Agricultural policy costs .....	38 ■
6.09 Prevalence of trade barriers .....	39 ■
6.10 Trade-weighted tariff rate* .....	99 ■
6.11 Prevalence of foreign ownership .....	54 ■
6.12 Business impact of rules on FDI .....	51 ■
6.13 Burden of customs procedures .....	18 ■
6.14 Degree of customer orientation .....	13 ■
6.15 Buyer sophistication .....	10 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	95 ■
7.02 Flexibility of wage determination .....	43 ■
7.03 Non-wage labor costs* .....	46 ■
7.04 Rigidity of employment* .....	65 ■
7.05 Hiring and firing practices .....	45 ■
7.06 Firing costs* .....	108 ■
7.07 Pay and productivity .....	14 ■
7.08 Reliance on professional management .....	42 ■
7.09 Brain drain .....	33 ■
7.10 Female participation in labor force* .....	80 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	35 ■
8.02 Financing through local equity market .....	11 ■
8.03 Ease of access to loans .....	26 ■
8.04 Venture capital availability .....	16 ■
8.05 Restriction on capital flows .....	65 ■
8.06 Strength of investor protection* .....	50 ■
8.07 Soundness of banks .....	73 ■
8.08 Regulation of securities exchanges .....	31 ■
8.09 Legal rights index* .....	52 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	22 ■
9.02 Firm-level technology absorption .....	15 ■
9.03 Laws relating to ICT .....	2 ■
9.04 FDI and technology transfer .....	28 ■
9.05 Mobile telephone subscribers* .....	47 ■
9.06 Internet users* .....	8 ■
9.07 Personal computers* .....	20 ■
9.08 Broadband Internet subscribers* .....	4 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	14 ■
10.02 Foreign market size* .....	9 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	23 ■
11.02 Local supplier quality .....	29 ■
11.03 State of cluster development .....	8 ■
11.04 Nature of competitive advantage .....	13 ■
11.05 Value chain breadth .....	12 ■
11.06 Control of international distribution .....	12 ■
11.07 Production process sophistication .....	17 ■
11.08 Extent of marketing .....	20 ■
11.09 Willingness to delegate authority .....	26 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	9 ■
12.02 Quality of scientific research institutions .....	14 ■
12.03 Company spending on R&D .....	7 ■
12.04 University-industry research collaboration .....	12 ■
12.05 Gov't procurement of advanced tech products .....	2 ■
12.06 Availability of scientists and engineers .....	19 ■
12.07 Utility patents* .....	7 ■

# Kuwait

## Key indicators

Total population (millions), 2007 .....	2.8
GDP (US\$ billions), 2007 .....	111.3
GDP per capita (US\$), 2007 .....	33,634.3
GDP (PPP) as share (%) of world total, 2007 .....	0.20

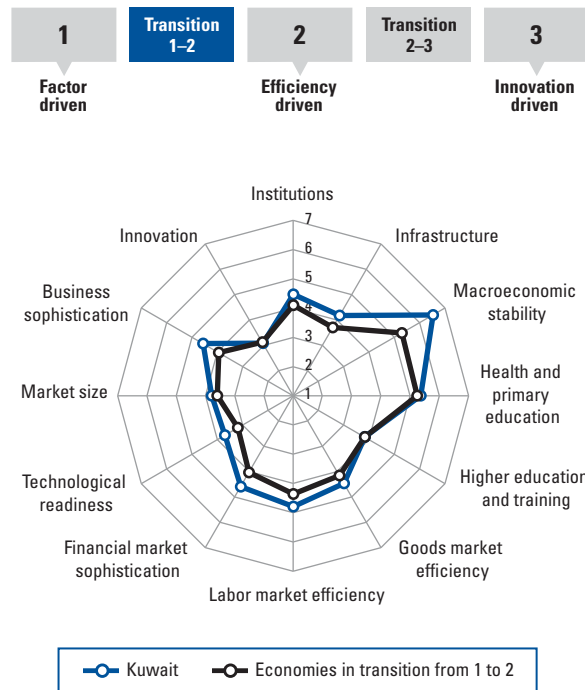
GDP (PPP US\$) per capita, 1980–2007



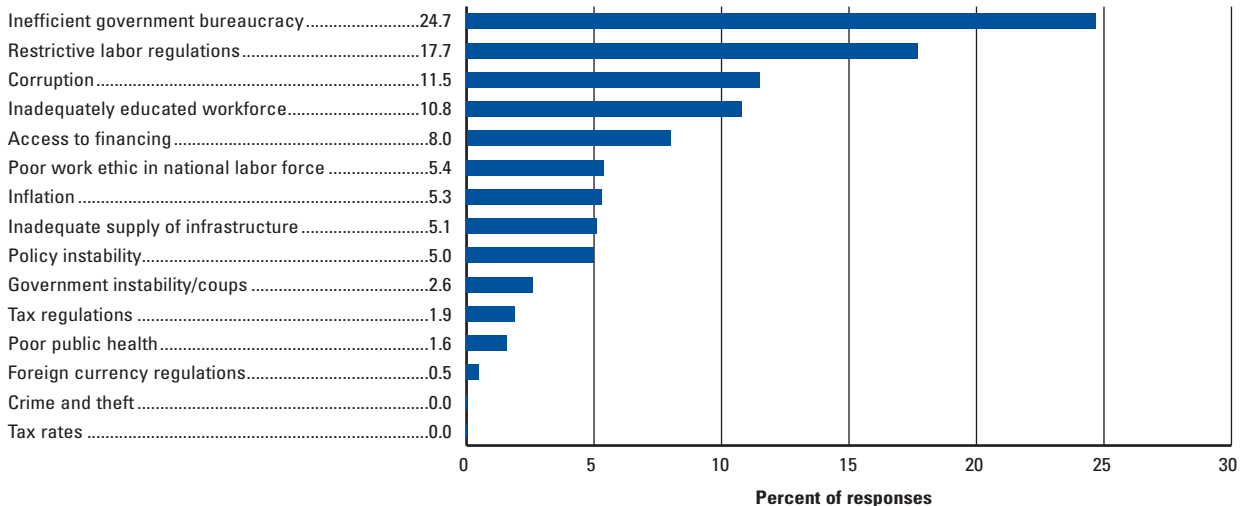
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>35</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	30	4.7
GCI 2006–2007 (out of 122) .....	30	4.7
<b>Basic requirements</b> .....	<b>39</b>	<b>5.1</b>
1st pillar: Institutions .....	48	4.5
2nd pillar: Infrastructure .....	49	4.2
3rd pillar: Macroeconomic stability .....	1	6.5
4th pillar: Health and primary education .....	75	5.3
<b>Efficiency enhancers</b> .....	<b>52</b>	<b>4.2</b>
5th pillar: Higher education and training .....	76	3.8
6th pillar: Goods market efficiency .....	53	4.5
7th pillar: Labor market efficiency .....	24	4.8
8th pillar: Financial market sophistication .....	51	4.6
9th pillar: Technological readiness .....	50	3.7
10th pillar: Market size .....	59	3.8
<b>Innovation and sophistication factors</b> .....	<b>52</b>	<b>3.8</b>
11th pillar: Business sophistication .....	38	4.6
12th pillar: Innovation .....	71	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	27 <span style="color: #0056b3;">■</span>
1.02 Intellectual property protection .....	62 <span style="color: #808080;">■</span>
1.03 Diversion of public funds .....	62 <span style="color: #808080;">■</span>
1.04 Public trust of politicians .....	38 <span style="color: #808080;">■</span>
1.05 Judicial independence .....	36 <span style="color: #808080;">■</span>
1.06 Favoritism in decisions of government officials .....	73 <span style="color: #808080;">■</span>
1.07 Wastefulness of government spending .....	64 <span style="color: #808080;">■</span>
1.08 Burden of government regulation .....	113 <span style="color: #808080;">■</span>
1.09 Efficiency of legal framework .....	36 <span style="color: #808080;">■</span>
1.10 Transparency of government policymaking .....	91 <span style="color: #808080;">■</span>
1.11 Business costs of terrorism .....	61 <span style="color: #808080;">■</span>
1.12 Business costs of crime and violence .....	18 <span style="color: #0056b3;">■</span>
1.13 Organized crime .....	28 <span style="color: #0056b3;">■</span>
1.14 Reliability of police services .....	41 <span style="color: #808080;">■</span>
1.15 Ethical behavior of firms .....	48 <span style="color: #808080;">■</span>
1.16 Strength of auditing and reporting standards .....	42 <span style="color: #808080;">■</span>
1.17 Efficacy of corporate boards .....	78 <span style="color: #808080;">■</span>
1.18 Protection of minority shareholders' interests .....	77 <span style="color: #808080;">■</span>
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	44 <span style="color: #808080;">■</span>
2.02 Quality of roads .....	35 <span style="color: #808080;">■</span>
2.03 Quality of railroad infrastructure .....	n/a
2.04 Quality of port infrastructure .....	65 <span style="color: #808080;">■</span>
2.05 Quality of air transport infrastructure .....	62 <span style="color: #808080;">■</span>
2.06 Available seat kilometers* .....	54 <span style="color: #808080;">■</span>
2.07 Quality of electricity supply .....	70 <span style="color: #808080;">■</span>
2.08 Telephone lines* .....	67 <span style="color: #808080;">■</span>
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	1 <span style="color: #0056b3;">■</span>
3.02 National savings rate* .....	1 <span style="color: #0056b3;">■</span>
3.03 Inflation* .....	64 <span style="color: #808080;">■</span>
3.04 Interest rate spread* .....	25 <span style="color: #0056b3;">■</span>
3.05 Government debt* .....	9 <span style="color: #0056b3;">■</span>
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	50 <span style="color: #808080;">■</span>
4.02 Malaria incidence* .....	1 <span style="color: #0056b3;">■</span>
4.03 Business impact of tuberculosis .....	42 <span style="color: #808080;">■</span>
4.04 Tuberculosis incidence* .....	42 <span style="color: #808080;">■</span>
4.05 Business impact of HIV/AIDS .....	14 <span style="color: #0056b3;">■</span>
4.06 HIV prevalence* .....	1 <span style="color: #0056b3;">■</span>
4.07 Infant mortality* .....	47 <span style="color: #808080;">■</span>
4.08 Life expectancy* .....	29 <span style="color: #0056b3;">■</span>
4.09 Quality of primary education .....	92 <span style="color: #808080;">■</span>
4.10 Primary enrollment* .....	108 <span style="color: #808080;">■</span>
4.11 Education expenditure* .....	68 <span style="color: #808080;">■</span>
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	60 <span style="color: #808080;">■</span>
5.02 Tertiary enrollment* .....	88 <span style="color: #808080;">■</span>
5.03 Quality of the educational system .....	94 <span style="color: #808080;">■</span>
5.04 Quality of math and science education .....	93 <span style="color: #808080;">■</span>
5.05 Quality of management schools .....	89 <span style="color: #808080;">■</span>
5.06 Internet access in schools .....	64 <span style="color: #808080;">■</span>
5.07 Local availability of research and training services .....	64 <span style="color: #808080;">■</span>
5.08 Extent of staff training .....	57 <span style="color: #808080;">■</span>

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	54 <span style="color: #808080;">■</span>
6.02 Extent of market dominance .....	49 <span style="color: #808080;">■</span>
6.03 Effectiveness of anti-monopoly policy .....	76 <span style="color: #808080;">■</span>
6.04 Extent and effect of taxation .....	6 <span style="color: #0056b3;">■</span>
6.05 Total tax rate* .....	1 <span style="color: #0056b3;">■</span>
6.06 No. of procedures required to start a business* .....	108 <span style="color: #808080;">■</span>
6.07 Time required to start a business* .....	83 <span style="color: #808080;">■</span>
6.08 Agricultural policy costs .....	43 <span style="color: #808080;">■</span>
6.09 Prevalence of trade barriers .....	62 <span style="color: #808080;">■</span>
6.10 Trade-weighted tariff rate* .....	44 <span style="color: #808080;">■</span>
6.11 Prevalence of foreign ownership .....	132 <span style="color: #808080;">■</span>
6.12 Business impact of rules on FDI .....	130 <span style="color: #808080;">■</span>
6.13 Burden of customs procedures .....	87 <span style="color: #808080;">■</span>
6.14 Degree of customer orientation .....	40 <span style="color: #808080;">■</span>
6.15 Buyer sophistication .....	68 <span style="color: #808080;">■</span>
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	24 <span style="color: #0056b3;">■</span>
7.02 Flexibility of wage determination .....	20 <span style="color: #0056b3;">■</span>
7.03 Non-wage labor costs* .....	35 <span style="color: #808080;">■</span>
7.04 Rigidity of employment* .....	16 <span style="color: #0056b3;">■</span>
7.05 Hiring and firing practices .....	50 <span style="color: #808080;">■</span>
7.06 Firing costs* .....	96 <span style="color: #808080;">■</span>
7.07 Pay and productivity .....	61 <span style="color: #808080;">■</span>
7.08 Reliance on professional management .....	89 <span style="color: #808080;">■</span>
7.09 Brain drain .....	9 <span style="color: #0056b3;">■</span>
7.10 Female participation in labor force* .....	104 <span style="color: #808080;">■</span>
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	50 <span style="color: #808080;">■</span>
8.02 Financing through local equity market .....	41 <span style="color: #808080;">■</span>
8.03 Ease of access to loans .....	30 <span style="color: #0056b3;">■</span>
8.04 Venture capital availability .....	36 <span style="color: #808080;">■</span>
8.05 Restriction on capital flows .....	53 <span style="color: #808080;">■</span>
8.06 Strength of investor protection* .....	19 <span style="color: #0056b3;">■</span>
8.07 Soundness of banks .....	29 <span style="color: #0056b3;">■</span>
8.08 Regulation of securities exchanges .....	83 <span style="color: #808080;">■</span>
8.09 Legal rights index* .....	72 <span style="color: #808080;">■</span>
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	38 <span style="color: #808080;">■</span>
9.02 Firm-level technology absorption .....	28 <span style="color: #0056b3;">■</span>
9.03 Laws relating to ICT .....	99 <span style="color: #808080;">■</span>
9.04 FDI and technology transfer .....	106 <span style="color: #808080;">■</span>
9.05 Mobile telephone subscribers* .....	40 <span style="color: #808080;">■</span>
9.06 Internet users* .....	46 <span style="color: #808080;">■</span>
9.07 Personal computers* .....	40 <span style="color: #808080;">■</span>
9.08 Broadband Internet subscribers* .....	72 <span style="color: #808080;">■</span>
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	63 <span style="color: #808080;">■</span>
10.02 Foreign market size* .....	48 <span style="color: #808080;">■</span>
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	9 <span style="color: #0056b3;">■</span>
11.02 Local supplier quality .....	30 <span style="color: #0056b3;">■</span>
11.03 State of cluster development .....	42 <span style="color: #808080;">■</span>
11.04 Nature of competitive advantage .....	52 <span style="color: #808080;">■</span>
11.05 Value chain breadth .....	82 <span style="color: #808080;">■</span>
11.06 Control of international distribution .....	21 <span style="color: #0056b3;">■</span>
11.07 Production process sophistication .....	45 <span style="color: #808080;">■</span>
11.08 Extent of marketing .....	59 <span style="color: #808080;">■</span>
11.09 Willingness to delegate authority .....	39 <span style="color: #808080;">■</span>
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	94 <span style="color: #808080;">■</span>
12.02 Quality of scientific research institutions .....	54 <span style="color: #808080;">■</span>
12.03 Company spending on R&D .....	93 <span style="color: #808080;">■</span>
12.04 University-industry research collaboration .....	73 <span style="color: #808080;">■</span>
12.05 Gov't procurement of advanced tech products .....	98 <span style="color: #808080;">■</span>
12.06 Availability of scientists and engineers .....	62 <span style="color: #808080;">■</span>
12.07 Utility patents* .....	37 <span style="color: #808080;">■</span>

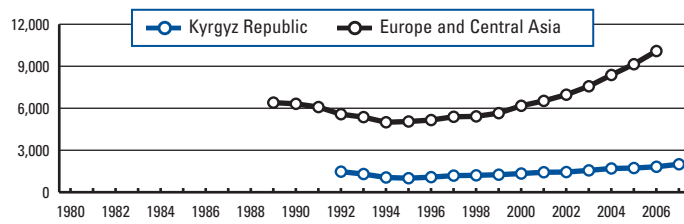


# Kyrgyz Republic

## Key indicators

Total population (millions), 2007	5.4
GDP (US\$ billions), 2007	3.7
GDP per capita (US\$), 2007	713.4
GDP (PPP) as share (%) of world total, 2007	0.02

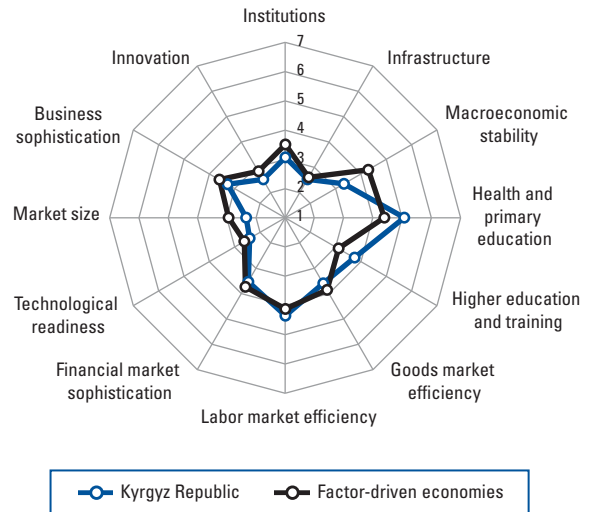
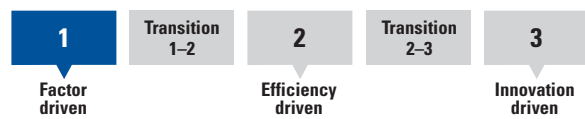
GDP (PPP US\$) per capita, 1980–2007



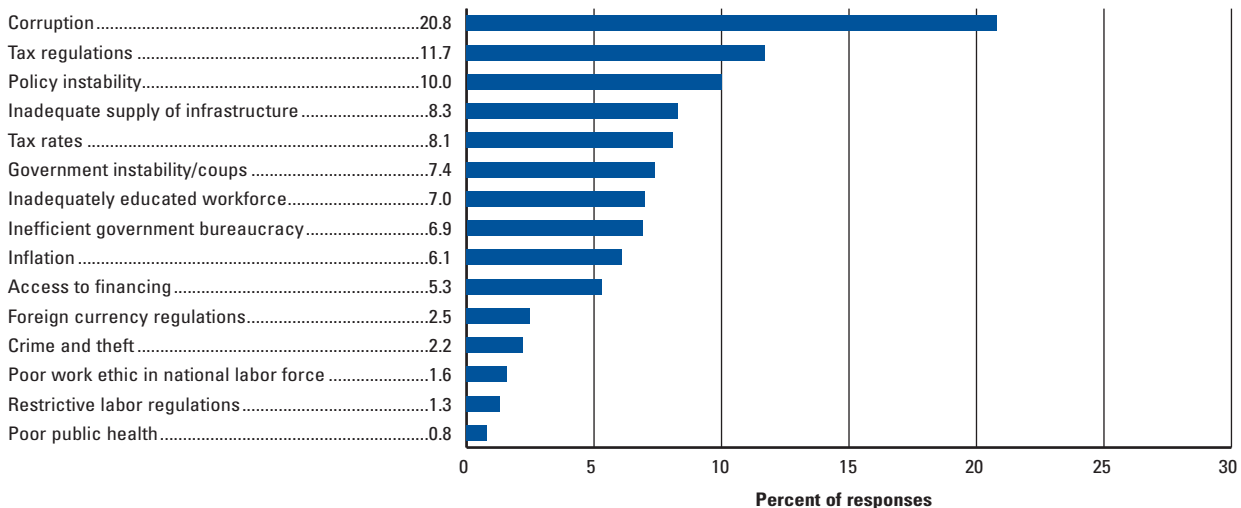
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>122</b>	<b>3.4</b>
GCI 2007–2008 (out of 131)	119	3.3
GCI 2006–2007 (out of 122)	110	3.4
<b>Basic requirements</b>	<b>124</b>	<b>3.5</b>
1st pillar: Institutions	122	3.1
2nd pillar: Infrastructure	111	2.5
3rd pillar: Macroeconomic stability	128	3.3
4th pillar: Health and primary education	96	5.1
<b>Efficiency enhancers</b>	<b>110</b>	<b>3.3</b>
5th pillar: Higher education and training	83	3.7
6th pillar: Goods market efficiency	120	3.6
7th pillar: Labor market efficiency	69	4.4
8th pillar: Financial market sophistication	115	3.5
9th pillar: Technological readiness	124	2.4
10th pillar: Market size	120	2.3
<b>Innovation and sophistication factors</b>	<b>123</b>	<b>2.9</b>
11th pillar: Business sophistication	121	3.3
12th pillar: Innovation	121	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	124 ■
1.02 Intellectual property protection .....	111 ■
1.03 Diversion of public funds .....	109 ■
1.04 Public trust of politicians .....	99 ■
1.05 Judicial independence .....	122 ■
1.06 Favoritism in decisions of government officials .....	102 ■
1.07 Wastefulness of government spending .....	117 ■
1.08 Burden of government regulation .....	100 ■
1.09 Efficiency of legal framework .....	118 ■
1.10 Transparency of government policymaking .....	125 ■
1.11 Business costs of terrorism .....	110 ■
1.12 Business costs of crime and violence .....	97 ■
1.13 Organized crime .....	109 ■
1.14 Reliability of police services .....	114 ■
1.15 Ethical behavior of firms .....	128 ■
1.16 Strength of auditing and reporting standards .....	119 ■
1.17 Efficacy of corporate boards .....	112 ■
1.18 Protection of minority shareholders' interests .....	131 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	99 ■
2.02 Quality of roads .....	101 ■
2.03 Quality of railroad infrastructure .....	60 ■
2.04 Quality of port infrastructure .....	132 ■
2.05 Quality of air transport infrastructure .....	120 ■
2.06 Available seat kilometers* .....	114 ■
2.07 Quality of electricity supply .....	109 ■
2.08 Telephone lines* .....	94 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	67 ■
3.02 National savings rate* .....	132 ■
3.03 Inflation* .....	117 ■
3.04 Interest rate spread* .....	127 ■
3.05 Government debt* .....	98 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	100 ■
4.02 Malaria incidence* .....	79 ■
4.03 Business impact of tuberculosis .....	117 ■
4.04 Tuberculosis incidence* .....	91 ■
4.05 Business impact of HIV/AIDS .....	101 ■
4.06 HIV prevalence* .....	23 ■
4.07 Infant mortality* .....	107 ■
4.08 Life expectancy* .....	96 ■
4.09 Quality of primary education .....	73 ■
4.10 Primary enrollment* .....	104 ■
4.11 Education expenditure* .....	61 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	69 ■
5.02 Tertiary enrollment* .....	50 ■
5.03 Quality of the educational system .....	74 ■
5.04 Quality of math and science education .....	84 ■
5.05 Quality of management schools .....	111 ■
5.06 Internet access in schools .....	73 ■
5.07 Local availability of research and training services .....	128 ■
5.08 Extent of staff training .....	102 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	123 ■
6.02 Extent of market dominance .....	114 ■
6.03 Effectiveness of anti-monopoly policy .....	117 ■
6.04 Extent and effect of taxation .....	107 ■
6.05 Total tax rate* .....	109 ■
6.06 No. of procedures required to start a business* .....	44 ■
6.07 Time required to start a business* .....	44 ■
6.08 Agricultural policy costs .....	124 ■
6.09 Prevalence of trade barriers .....	124 ■
6.10 Trade-weighted tariff rate* .....	110 ■
6.11 Prevalence of foreign ownership .....	117 ■
6.12 Business impact of rules on FDI .....	123 ■
6.13 Burden of customs procedures .....	118 ■
6.14 Degree of customer orientation .....	104 ■
6.15 Buyer sophistication .....	103 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	81 ■
7.02 Flexibility of wage determination .....	86 ■
7.03 Non-wage labor costs* .....	89 ■
7.04 Rigidity of employment* .....	70 ■
7.05 Hiring and firing practices .....	14 ■
7.06 Firing costs* .....	28 ■
7.07 Pay and productivity .....	36 ■
7.08 Reliance on professional management .....	108 ■
7.09 Brain drain .....	101 ■
7.10 Female participation in labor force* .....	62 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	115 ■
8.02 Financing through local equity market .....	106 ■
8.03 Ease of access to loans .....	85 ■
8.04 Venture capital availability .....	98 ■
8.05 Restriction on capital flows .....	91 ■
8.06 Strength of investor protection* .....	26 ■
8.07 Soundness of banks .....	131 ■
8.08 Regulation of securities exchanges .....	125 ■
8.09 Legal rights index* .....	52 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	124 ■
9.02 Firm-level technology absorption .....	121 ■
9.03 Laws relating to ICT .....	115 ■
9.04 FDI and technology transfer .....	127 ■
9.05 Mobile telephone subscribers* .....	107 ■
9.06 Internet users* .....	80 ■
9.07 Personal computers* .....	107 ■
9.08 Broadband Internet subscribers* .....	105 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	117 ■
10.02 Foreign market size* .....	119 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	125 ■
11.02 Local supplier quality .....	125 ■
11.03 State of cluster development .....	121 ■
11.04 Nature of competitive advantage .....	108 ■
11.05 Value chain breadth .....	111 ■
11.06 Control of international distribution .....	77 ■
11.07 Production process sophistication .....	98 ■
11.08 Extent of marketing .....	109 ■
11.09 Willingness to delegate authority .....	97 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	90 ■
12.02 Quality of scientific research institutions .....	123 ■
12.03 Company spending on R&D .....	118 ■
12.04 University-industry research collaboration .....	120 ■
12.05 Gov't procurement of advanced tech products .....	127 ■
12.06 Availability of scientists and engineers .....	116 ■
12.07 Utility patents* .....	88 ■

\* Hard data

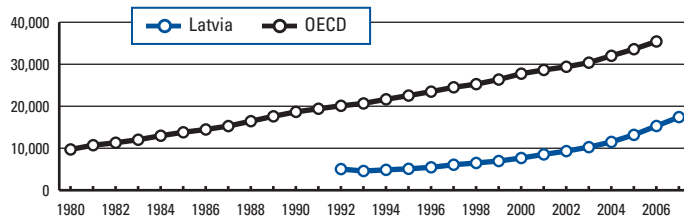
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Latvia

## Key indicators

Total population (millions), 2007 .....	2.3
GDP (US\$ billions), 2007 .....	27.3
GDP per capita (US\$), 2007 .....	11,984.8
GDP (PPP) as share (%) of world total, 2007 .....	0.06

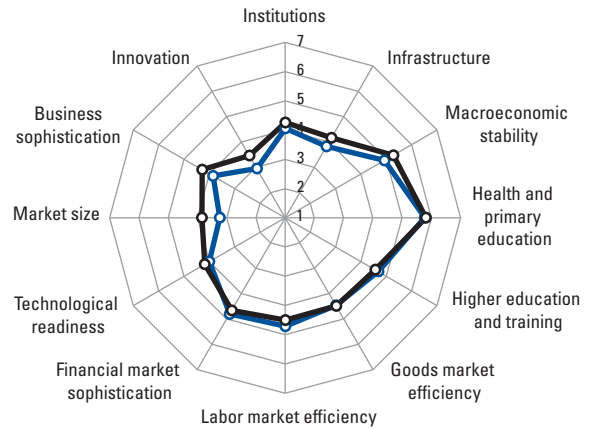
GDP (PPP US\$) per capita, 1980–2007



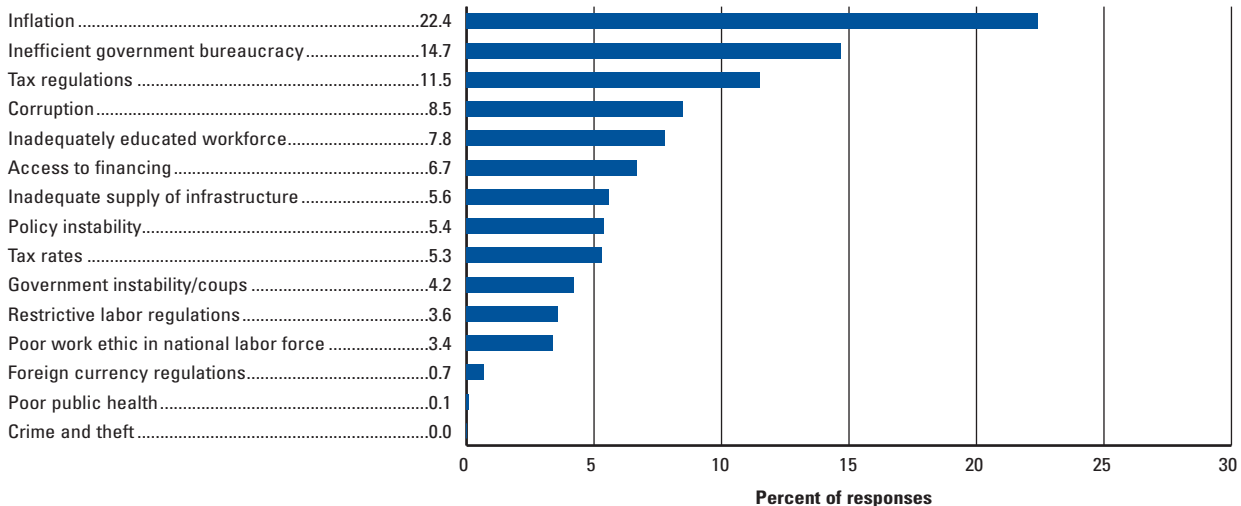
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>54</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	45	4.4
GCI 2006–2007 (out of 122) .....	44	4.5
<b>Basic requirements</b> .....	<b>55</b>	<b>4.6</b>
1st pillar: Institutions .....	60	4.1
2nd pillar: Infrastructure .....	58	3.8
3rd pillar: Macroeconomic stability .....	71	4.9
4th pillar: Health and primary education .....	48	5.8
<b>Efficiency enhancers</b> .....	<b>47</b>	<b>4.3</b>
5th pillar: Higher education and training .....	33	4.7
6th pillar: Goods market efficiency .....	52	4.5
7th pillar: Labor market efficiency .....	32	4.7
8th pillar: Financial market sophistication .....	39	4.8
9th pillar: Technological readiness .....	41	4.0
10th pillar: Market size .....	79	3.2
<b>Innovation and sophistication factors</b> .....	<b>84</b>	<b>3.4</b>
11th pillar: Business sophistication .....	83	3.9
12th pillar: Innovation .....	93	2.9

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	45 <span style="color: #0056b3;">■</span>	6.01 Intensity of local competition .....	63 <span style="color: #808080;">■</span>
1.02 Intellectual property protection .....	61 <span style="color: #808080;">■</span>	6.02 Extent of market dominance .....	67 <span style="color: #808080;">■</span>
1.03 Diversion of public funds .....	65 <span style="color: #808080;">■</span>	6.03 Effectiveness of anti-monopoly policy .....	54 <span style="color: #808080;">■</span>
1.04 Public trust of politicians .....	95 <span style="color: #808080;">■</span>	6.04 Extent and effect of taxation .....	69 <span style="color: #808080;">■</span>
1.05 Judicial independence .....	71 <span style="color: #808080;">■</span>	6.05 Total tax rate* .....	27 <span style="color: #0056b3;">■</span>
1.06 Favoritism in decisions of government officials .....	83 <span style="color: #808080;">■</span>	6.06 No. of procedures required to start a business* .....	9 <span style="color: #0056b3;">■</span>
1.07 Wastefulness of government spending .....	84 <span style="color: #808080;">■</span>	6.07 Time required to start a business* .....	33 <span style="color: #0056b3;">■</span>
1.08 Burden of government regulation .....	76 <span style="color: #808080;">■</span>	6.08 Agricultural policy costs .....	107 <span style="color: #808080;">■</span>
1.09 Efficiency of legal framework .....	79 <span style="color: #808080;">■</span>	6.09 Prevalence of trade barriers .....	20 <span style="color: #0056b3;">■</span>
1.10 Transparency of government policymaking .....	98 <span style="color: #808080;">■</span>	6.10 Trade-weighted tariff rate* .....	5 <span style="color: #0056b3;">■</span>
1.11 Business costs of terrorism .....	24 <span style="color: #0056b3;">■</span>	6.11 Prevalence of foreign ownership .....	33 <span style="color: #0056b3;">■</span>
1.12 Business costs of crime and violence .....	29 <span style="color: #0056b3;">■</span>	6.12 Business impact of rules on FDI .....	69 <span style="color: #808080;">■</span>
1.13 Organized crime .....	30 <span style="color: #0056b3;">■</span>	6.13 Burden of customs procedures .....	50 <span style="color: #0056b3;">■</span>
1.14 Reliability of police services .....	64 <span style="color: #808080;">■</span>	6.14 Degree of customer orientation .....	64 <span style="color: #808080;">■</span>
1.15 Ethical behavior of firms .....	75 <span style="color: #808080;">■</span>	6.15 Buyer sophistication .....	80 <span style="color: #808080;">■</span>
1.16 Strength of auditing and reporting standards .....	54 <span style="color: #808080;">■</span>	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	59 <span style="color: #808080;">■</span>	7.01 Cooperation in labor-employer relations .....	89 <span style="color: #808080;">■</span>
1.18 Protection of minority shareholders' interests .....	95 <span style="color: #808080;">■</span>	7.02 Flexibility of wage determination .....	5 <span style="color: #0056b3;">■</span>
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	99 <span style="color: #808080;">■</span>
2.01 Quality of overall infrastructure .....	59 <span style="color: #808080;">■</span>	7.04 Rigidity of employment* .....	84 <span style="color: #808080;">■</span>
2.02 Quality of roads .....	90 <span style="color: #808080;">■</span>	7.05 Hiring and firing practices .....	84 <span style="color: #808080;">■</span>
2.03 Quality of railroad infrastructure .....	35 <span style="color: #0056b3;">■</span>	7.06 Firing costs* .....	28 <span style="color: #0056b3;">■</span>
2.04 Quality of port infrastructure .....	52 <span style="color: #808080;">■</span>	7.07 Pay and productivity .....	30 <span style="color: #0056b3;">■</span>
2.05 Quality of air transport infrastructure .....	36 <span style="color: #0056b3;">■</span>	7.08 Reliance on professional management .....	51 <span style="color: #808080;">■</span>
2.06 Available seat kilometers* .....	83 <span style="color: #808080;">■</span>	7.09 Brain drain .....	56 <span style="color: #808080;">■</span>
2.07 Quality of electricity supply .....	46 <span style="color: #0056b3;">■</span>	7.10 Female participation in labor force* .....	26 <span style="color: #0056b3;">■</span>
2.08 Telephone lines* .....	42 <span style="color: #0056b3;">■</span>	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	55 <span style="color: #808080;">■</span>
3.01 Government surplus/deficit* .....	59 <span style="color: #808080;">■</span>	8.02 Financing through local equity market .....	91 <span style="color: #808080;">■</span>
3.02 National savings rate* .....	108 <span style="color: #808080;">■</span>	8.03 Ease of access to loans .....	63 <span style="color: #808080;">■</span>
3.03 Inflation* .....	116 <span style="color: #808080;">■</span>	8.04 Venture capital availability .....	57 <span style="color: #808080;">■</span>
3.04 Interest rate spread* .....	61 <span style="color: #808080;">■</span>	8.05 Restriction on capital flows .....	24 <span style="color: #0056b3;">■</span>
3.05 Government debt* .....	12 <span style="color: #0056b3;">■</span>	8.06 Strength of investor protection* .....	39 <span style="color: #0056b3;">■</span>
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	62 <span style="color: #808080;">■</span>
4.01 Business impact of malaria .....	23 <span style="color: #0056b3;">■</span>	8.08 Regulation of securities exchanges .....	62 <span style="color: #808080;">■</span>
4.02 Malaria incidence* .....	1 <span style="color: #0056b3;">■</span>	8.09 Legal rights index* .....	8 <span style="color: #0056b3;">■</span>
4.03 Business impact of tuberculosis .....	62 <span style="color: #808080;">■</span>	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	68 <span style="color: #808080;">■</span>	9.01 Availability of latest technologies .....	66 <span style="color: #808080;">■</span>
4.05 Business impact of HIV/AIDS .....	52 <span style="color: #808080;">■</span>	9.02 Firm-level technology absorption .....	81 <span style="color: #808080;">■</span>
4.06 HIV prevalence* .....	95 <span style="color: #808080;">■</span>	9.03 Laws relating to ICT .....	63 <span style="color: #808080;">■</span>
4.07 Infant mortality* .....	39 <span style="color: #0056b3;">■</span>	9.04 FDI and technology transfer .....	73 <span style="color: #808080;">■</span>
4.08 Life expectancy* .....	76 <span style="color: #808080;">■</span>	9.05 Mobile telephone subscribers* .....	35 <span style="color: #0056b3;">■</span>
4.09 Quality of primary education .....	41 <span style="color: #0056b3;">■</span>	9.06 Internet users* .....	31 <span style="color: #0056b3;">■</span>
4.10 Primary enrollment* .....	86 <span style="color: #808080;">■</span>	9.07 Personal computers* .....	31 <span style="color: #0056b3;">■</span>
4.11 Education expenditure* .....	25 <span style="color: #0056b3;">■</span>	9.08 Broadband Internet subscribers* .....	46 <span style="color: #0056b3;">■</span>
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	32 <span style="color: #0056b3;">■</span>	10.01 Domestic market size* .....	79 <span style="color: #808080;">■</span>
5.02 Tertiary enrollment* .....	12 <span style="color: #0056b3;">■</span>	10.02 Foreign market size* .....	80 <span style="color: #808080;">■</span>
5.03 Quality of the educational system .....	63 <span style="color: #808080;">■</span>	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	57 <span style="color: #808080;">■</span>	11.01 Local supplier quantity .....	107 <span style="color: #808080;">■</span>
5.05 Quality of management schools .....	50 <span style="color: #0056b3;">■</span>	11.02 Local supplier quality .....	67 <span style="color: #808080;">■</span>
5.06 Internet access in schools .....	32 <span style="color: #0056b3;">■</span>	11.03 State of cluster development .....	112 <span style="color: #808080;">■</span>
5.07 Local availability of research and training services .....	75 <span style="color: #808080;">■</span>	11.04 Nature of competitive advantage .....	81 <span style="color: #808080;">■</span>
5.08 Extent of staff training .....	62 <span style="color: #808080;">■</span>	11.05 Value chain breadth .....	80 <span style="color: #808080;">■</span>
		11.06 Control of international distribution .....	103 <span style="color: #808080;">■</span>
		11.07 Production process sophistication .....	65 <span style="color: #808080;">■</span>
		11.08 Extent of marketing .....	73 <span style="color: #808080;">■</span>
		11.09 Willingness to delegate authority .....	79 <span style="color: #808080;">■</span>
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	71 <span style="color: #808080;">■</span>
		12.02 Quality of scientific research institutions .....	88 <span style="color: #808080;">■</span>
		12.03 Company spending on R&D .....	72 <span style="color: #808080;">■</span>
		12.04 University-industry research collaboration .....	83 <span style="color: #808080;">■</span>
		12.05 Gov't procurement of advanced tech products .....	100 <span style="color: #808080;">■</span>
		12.06 Availability of scientists and engineers .....	112 <span style="color: #808080;">■</span>
		12.07 Utility patents* .....	59 <span style="color: #808080;">■</span>

\* Hard data

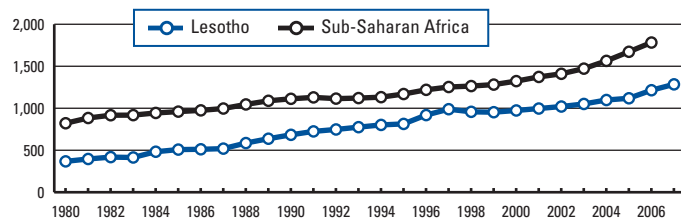
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Lesotho

## Key indicators

Total population (millions), 2007 .....	1.8
GDP (US\$ billions), 2007 .....	1.6
GDP per capita (US\$), 2007 .....	664.7
GDP (PPP) as share (%) of world total, 2007 .....	0.01

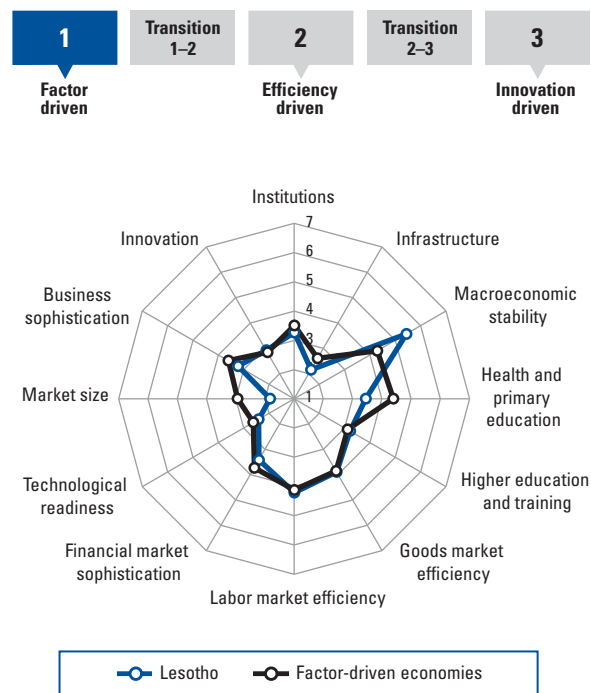
GDP (PPP US\$) per capita, 1980–2007



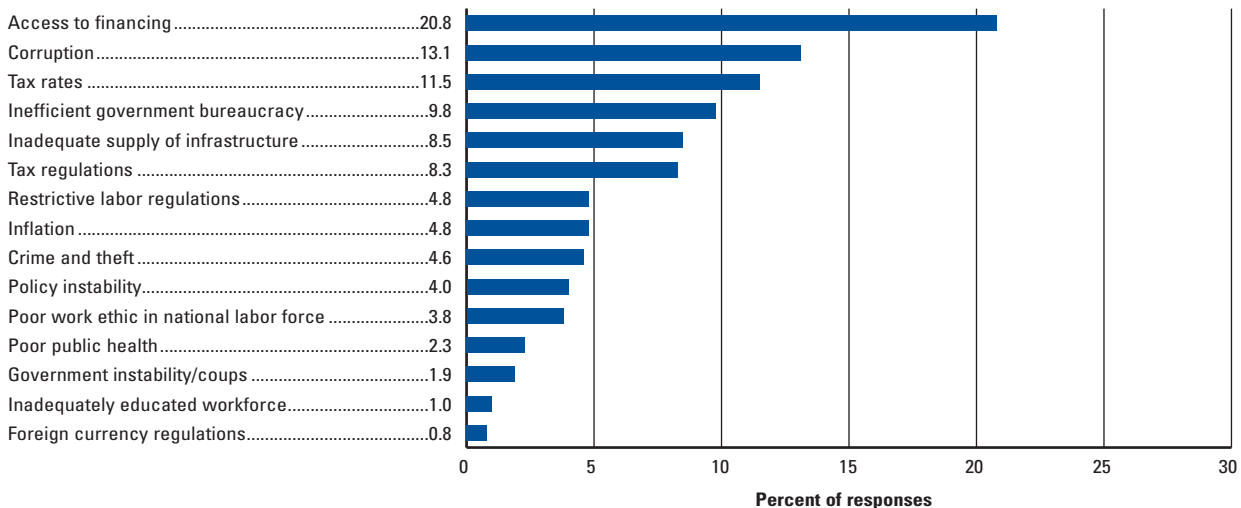
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>123</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	124	3.3
GCI 2006–2007 (out of 122) .....	101	3.5
<b>Basic requirements</b> .....	<b>118</b>	<b>3.6</b>
1st pillar: Institutions .....	114	3.3
2nd pillar: Infrastructure .....	125	2.1
3rd pillar: Macroeconomic stability .....	39	5.4
4th pillar: Health and primary education .....	129	3.4
<b>Efficiency enhancers</b> .....	<b>125</b>	<b>3.2</b>
5th pillar: Higher education and training .....	106	3.2
6th pillar: Goods market efficiency .....	102	3.9
7th pillar: Labor market efficiency .....	84	4.2
8th pillar: Financial market sophistication .....	118	3.4
9th pillar: Technological readiness .....	125	2.4
10th pillar: Market size .....	128	1.8
<b>Innovation and sophistication factors</b> .....	<b>110</b>	<b>3.1</b>
11th pillar: Business sophistication .....	126	3.2
12th pillar: Innovation .....	97	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	120	6.01 Intensity of local competition .....	120
1.02 Intellectual property protection .....	86	6.02 Extent of market dominance .....	76
1.03 Diversion of public funds .....	101	6.03 Effectiveness of anti-monopoly policy .....	104
1.04 Public trust of politicians .....	73	6.04 Extent and effect of taxation .....	102
1.05 Judicial independence .....	95	6.05 Total tax rate* .....	6
1.06 Favoritism in decisions of government officials .....	92	6.06 No. of procedures required to start a business* .....	44
1.07 Wastefulness of government spending .....	107	6.07 Time required to start a business* .....	115
1.08 Burden of government regulation .....	73	6.08 Agricultural policy costs .....	131
1.09 Efficiency of legal framework .....	105	6.09 Prevalence of trade barriers .....	125
1.10 Transparency of government policymaking .....	105	6.10 Trade-weighted tariff rate* .....	51
1.11 Business costs of terrorism .....	119	6.11 Prevalence of foreign ownership .....	81
1.12 Business costs of crime and violence .....	114	6.12 Business impact of rules on FDI .....	100
1.13 Organized crime .....	112	6.13 Burden of customs procedures .....	80
1.14 Reliability of police services .....	101	6.14 Degree of customer orientation .....	125
1.15 Ethical behavior of firms .....	123	6.15 Buyer sophistication .....	89
1.16 Strength of auditing and reporting standards .....	127		
1.17 Efficacy of corporate boards .....	125	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	125	7.01 Cooperation in labor-employer relations .....	104
		7.02 Flexibility of wage determination .....	112
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	1
2.01 Quality of overall infrastructure .....	122	7.04 Rigidity of employment* .....	32
2.02 Quality of roads .....	124	7.05 Hiring and firing practices .....	64
2.03 Quality of railroad infrastructure .....	81	7.06 Firing costs* .....	76
2.04 Quality of port infrastructure .....	122	7.07 Pay and productivity .....	107
2.05 Quality of air transport infrastructure .....	133	7.08 Reliance on professional management .....	109
2.06 Available seat kilometers* .....	133	7.09 Brain drain .....	98
2.07 Quality of electricity supply .....	97	7.10 Female participation in labor force* .....	97
2.08 Telephone lines* .....	110		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	110
3.01 Government surplus/deficit* .....	11	8.02 Financing through local equity market .....	125
3.02 National savings rate* .....	7	8.03 Ease of access to loans .....	92
3.03 Inflation* .....	99	8.04 Venture capital availability .....	91
3.04 Interest rate spread* .....	98	8.05 Restriction on capital flows .....	101
3.05 Government debt* .....	87	8.06 Strength of investor protection* .....	107
		8.07 Soundness of banks .....	132
		8.08 Regulation of securities exchanges .....	116
		8.09 Legal rights index* .....	52
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria .....	58	<b>9th pillar: Technological readiness</b>	
4.02 Malaria incidence* .....	1	9.01 Availability of latest technologies .....	111
4.03 Business impact of tuberculosis .....	120	9.02 Firm-level technology absorption .....	118
4.04 Tuberculosis incidence* .....	132	9.03 Laws relating to ICT .....	98
4.05 Business impact of HIV/AIDS .....	134	9.04 FDI and technology transfer .....	126
4.06 HIV prevalence* .....	133	9.05 Mobile telephone subscribers* .....	112
4.07 Infant mortality* .....	128	9.06 Internet users* .....	114
4.08 Life expectancy* .....	134	9.07 Personal computers* .....	129
4.09 Quality of primary education .....	115	9.08 Broadband Internet subscribers* .....	122
4.10 Primary enrollment* .....	119		
4.11 Education expenditure* .....	1	<b>10th pillar: Market size</b>	
		10.01 Domestic market size* .....	126
		10.02 Foreign market size* .....	128
<b>5th pillar: Higher education and training</b>			
5.01 Secondary enrollment* .....	116	<b>11th pillar: Business sophistication</b>	
5.02 Tertiary enrollment* .....	120	11.01 Local supplier quantity .....	134
5.03 Quality of the educational system .....	79	11.02 Local supplier quality .....	127
5.04 Quality of math and science education .....	106	11.03 State of cluster development .....	98
5.05 Quality of management schools .....	112	11.04 Nature of competitive advantage .....	74
5.06 Internet access in schools .....	106	11.05 Value chain breadth .....	103
5.07 Local availability of research and training services .....	109	11.06 Control of international distribution .....	133
5.08 Extent of staff training .....	75	11.07 Production process sophistication .....	97
		11.08 Extent of marketing .....	122
		11.09 Willingness to delegate authority .....	80
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	69
		12.02 Quality of scientific research institutions .....	117
		12.03 Company spending on R&D .....	56
		12.04 University-industry research collaboration .....	98
		12.05 Gov't procurement of advanced tech products .....	81
		12.06 Availability of scientists and engineers .....	96
		12.07 Utility patents* .....	88

\* Hard data

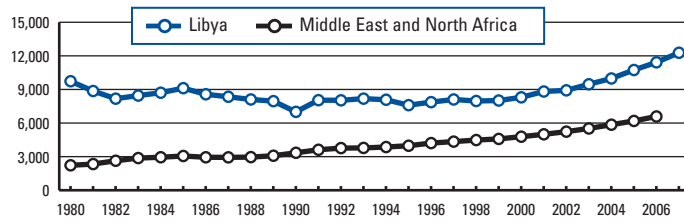
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Libya

## Key indicators

Total population (millions), 2007 .....	6.1
GDP (US\$ billions), 2007 .....	57.1
GDP per capita (US\$), 2007 .....	9,371.6
GDP (PPP) as share (%) of world total, 2007 .....	0.12

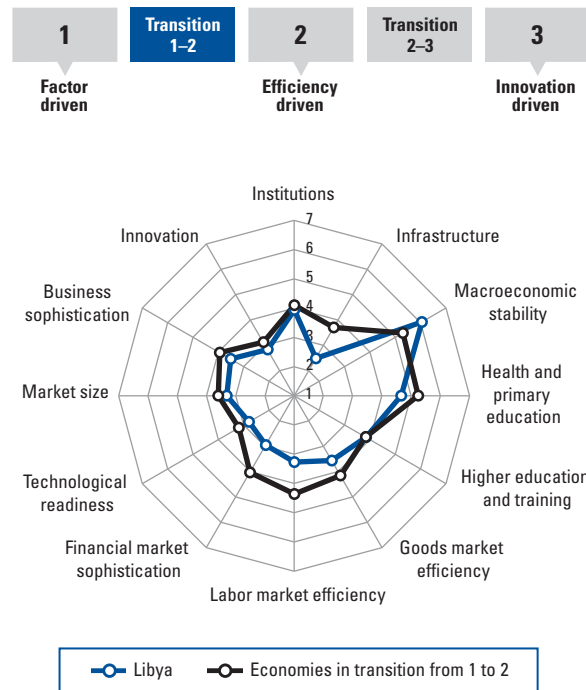
GDP (PPP US\$) per capita, 1980–2007



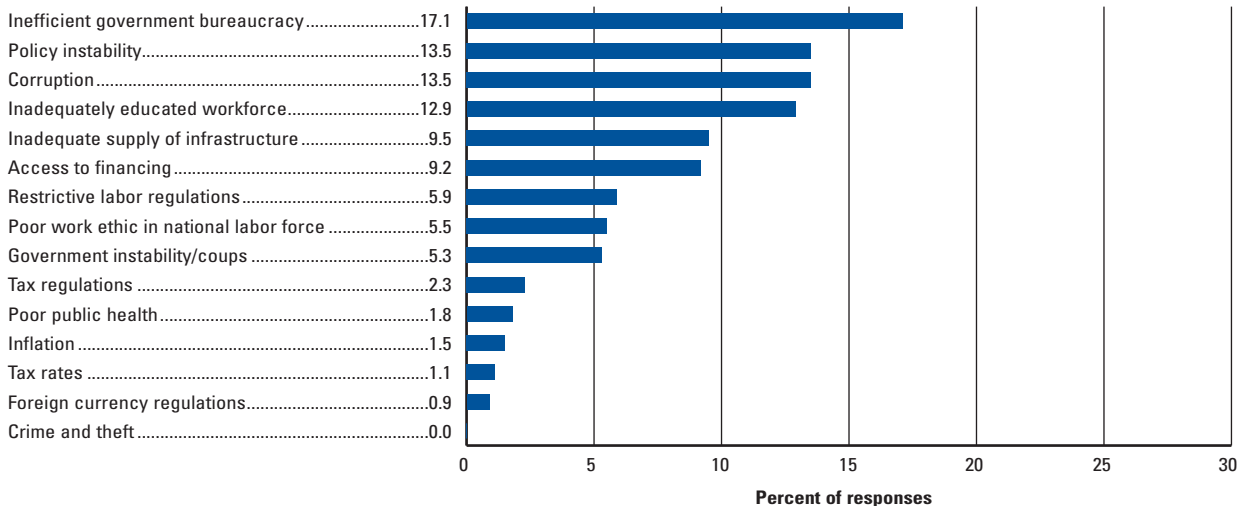
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>91</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	88	3.9
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>75</b>	<b>4.3</b>
1st pillar: Institutions .....	65	3.9
2nd pillar: Infrastructure .....	112	2.5
3rd pillar: Macroeconomic stability .....	6	6.0
4th pillar: Health and primary education .....	103	4.6
<b>Efficiency enhancers</b> .....	<b>114</b>	<b>3.3</b>
5th pillar: Higher education and training .....	75	3.8
6th pillar: Goods market efficiency .....	121	3.6
7th pillar: Labor market efficiency .....	133	3.3
8th pillar: Financial market sophistication .....	131	3.0
9th pillar: Technological readiness .....	98	2.8
10th pillar: Market size .....	77	3.3
<b>Innovation and sophistication factors</b> .....	<b>102</b>	<b>3.2</b>
11th pillar: Business sophistication .....	101	3.5
12th pillar: Innovation .....	100	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	103	6.01 Intensity of local competition .....	121
1.02 Intellectual property protection .....	88	6.02 Extent of market dominance .....	80
1.03 Diversion of public funds .....	58	6.03 Effectiveness of anti-monopoly policy .....	72
1.04 Public trust of politicians .....	63	6.04 Extent and effect of taxation .....	37
1.05 Judicial independence .....	59	6.05 Total tax rate* .....	n/a
1.06 Favoritism in decisions of government officials .....	68	6.06 No. of procedures required to start a business* .....	n/a
1.07 Wastefulness of government spending .....	69	6.07 Time required to start a business* .....	n/a
1.08 Burden of government regulation .....	86	6.08 Agricultural policy costs .....	103
1.09 Efficiency of legal framework .....	61	6.09 Prevalence of trade barriers .....	82
1.10 Transparency of government policymaking .....	100	6.10 Trade-weighted tariff rate* .....	1
1.11 Business costs of terrorism .....	16	6.11 Prevalence of foreign ownership .....	134
1.12 Business costs of crime and violence .....	6	6.12 Business impact of rules on FDI .....	109
1.13 Organized crime .....	9	6.13 Burden of customs procedures .....	93
1.14 Reliability of police services .....	94	6.14 Degree of customer orientation .....	123
1.15 Ethical behavior of firms .....	62	6.15 Buyer sophistication .....	123
1.16 Strength of auditing and reporting standards .....	124	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	131	7.01 Cooperation in labor-employer relations .....	78
1.18 Protection of minority shareholders' interests .....	78	7.02 Flexibility of wage determination .....	120
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	n/a
2.01 Quality of overall infrastructure .....	115	7.04 Rigidity of employment* .....	n/a
2.02 Quality of roads .....	85	7.05 Hiring and firing practices .....	121
2.03 Quality of railroad infrastructure .....	116	7.06 Firing costs* .....	n/a
2.04 Quality of port infrastructure .....	110	7.07 Pay and productivity .....	133
2.05 Quality of air transport infrastructure .....	126	7.08 Reliance on professional management .....	122
2.06 Available seat kilometers* .....	77	7.09 Brain drain .....	73
2.07 Quality of electricity supply .....	71	7.10 Female participation in labor force* .....	121
2.08 Telephone lines* .....	78	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	133
3.01 Government surplus/deficit* .....	2	8.02 Financing through local equity market .....	131
3.02 National savings rate* .....	12	8.03 Ease of access to loans .....	83
3.03 Inflation* .....	82	8.04 Venture capital availability .....	115
3.04 Interest rate spread* .....	36	8.05 Restriction on capital flows .....	126
3.05 Government debt* .....	8	8.06 Strength of investor protection* .....	n/a
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	133
4.01 Business impact of malaria .....	72	8.08 Regulation of securities exchanges .....	129
4.02 Malaria incidence* .....	1	8.09 Legal rights index* .....	n/a
4.03 Business impact of tuberculosis .....	66	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	35	9.01 Availability of latest technologies .....	85
4.05 Business impact of HIV/AIDS .....	80	9.02 Firm-level technology absorption .....	97
4.06 HIV prevalence* .....	68	9.03 Laws relating to ICT .....	126
4.07 Infant mortality* .....	70	9.04 FDI and technology transfer .....	105
4.08 Life expectancy* .....	66	9.05 Mobile telephone subscribers* .....	68
4.09 Quality of primary education .....	100	9.06 Internet users* .....	111
4.10 Primary enrollment* .....	n/a	9.07 Personal computers* .....	101
4.11 Education expenditure* .....	n/a	9.08 Broadband Internet subscribers* .....	95
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	49	10.01 Domestic market size* .....	84
5.02 Tertiary enrollment* .....	32	10.02 Foreign market size* .....	58
5.03 Quality of the educational system .....	121	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	90	11.01 Local supplier quantity .....	81
5.05 Quality of management schools .....	130	11.02 Local supplier quality .....	91
5.06 Internet access in schools .....	126	11.03 State of cluster development .....	93
5.07 Local availability of research and training services .....	106	11.04 Nature of competitive advantage .....	129
5.08 Extent of staff training .....	114	11.05 Value chain breadth .....	130
		11.06 Control of international distribution .....	95
		11.07 Production process sophistication .....	82
		11.08 Extent of marketing .....	126
		11.09 Willingness to delegate authority .....	110
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	131
		12.02 Quality of scientific research institutions .....	82
		12.03 Company spending on R&D .....	124
		12.04 University-industry research collaboration .....	114
		12.05 Gov't procurement of advanced tech products .....	96
		12.06 Availability of scientists and engineers .....	44
		12.07 Utility patents* .....	88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

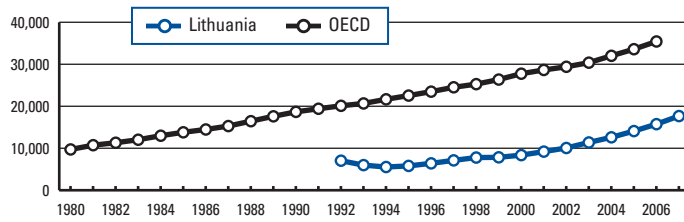


# Lithuania

## Key indicators

Total population (millions), 2007 .....	3.4
GDP (US\$ billions), 2007 .....	38.3
GDP per capita (US\$), 2007 .....	11,354.4
GDP (PPP) as share (%) of world total, 2007 .....	0.09

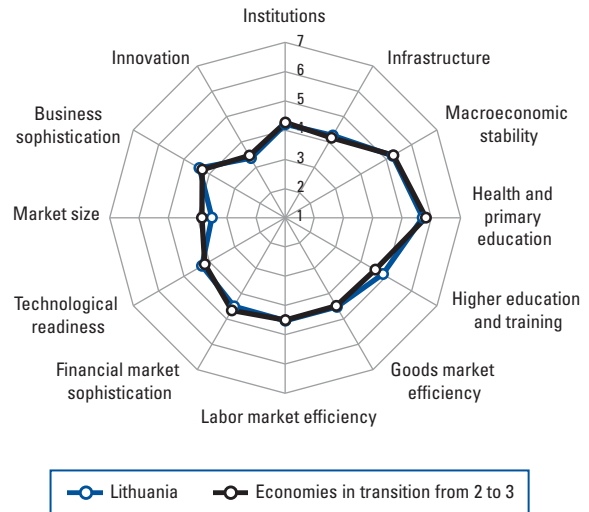
GDP (PPP US\$) per capita, 1980–2007



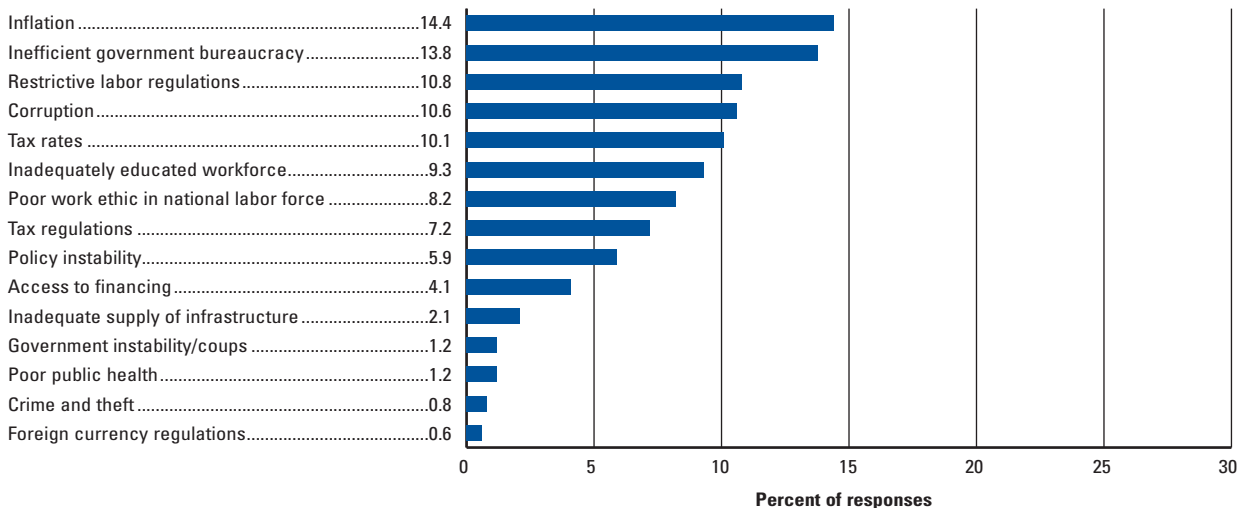
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>44</b>	<b>4.4</b>
GCI 2007–2008 (out of 131) .....	38	4.5
GCI 2006–2007 (out of 122) .....	39	4.5
<b>Basic requirements</b> .....	<b>46</b>	<b>4.8</b>
1st pillar: Institutions .....	55	4.2
2nd pillar: Infrastructure .....	46	4.2
3rd pillar: Macroeconomic stability .....	52	5.2
4th pillar: Health and primary education .....	52	5.7
<b>Efficiency enhancers</b> .....	<b>43</b>	<b>4.4</b>
5th pillar: Higher education and training .....	26	4.9
6th pillar: Goods market efficiency .....	48	4.5
7th pillar: Labor market efficiency .....	49	4.5
8th pillar: Financial market sophistication .....	56	4.5
9th pillar: Technological readiness .....	38	4.3
10th pillar: Market size .....	69	3.5
<b>Innovation and sophistication factors</b> .....	<b>49</b>	<b>3.9</b>
11th pillar: Business sophistication .....	49	4.4
12th pillar: Innovation .....	55	3.3

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	50
1.02 Intellectual property protection	47
1.03 Diversion of public funds	67
1.04 Public trust of politicians	69
1.05 Judicial independence	67
1.06 Favoritism in decisions of government officials	81
1.07 Wastefulness of government spending	96
1.08 Burden of government regulation	48
1.09 Efficiency of legal framework	73
1.10 Transparency of government policymaking	64
1.11 Business costs of terrorism	9
1.12 Business costs of crime and violence	34
1.13 Organized crime	39
1.14 Reliability of police services	65
1.15 Ethical behavior of firms	54
1.16 Strength of auditing and reporting standards	57
1.17 Efficacy of corporate boards	38
1.18 Protection of minority shareholders' interests	81
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	47
2.02 Quality of roads	27
2.03 Quality of railroad infrastructure	27
2.04 Quality of port infrastructure	43
2.05 Quality of air transport infrastructure	72
2.06 Available seat kilometers*	98
2.07 Quality of electricity supply	39
2.08 Telephone lines*	59
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	75
3.02 National savings rate*	96
3.03 Inflation*	72
3.04 Interest rate spread*	4
3.05 Government debt*	21
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	65
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	75
4.04 Tuberculosis incidence*	72
4.05 Business impact of HIV/AIDS	51
4.06 HIV prevalence*	23
4.07 Infant mortality*	36
4.08 Life expectancy*	76
4.09 Quality of primary education	44
4.10 Primary enrollment*	90
4.11 Education expenditure*	37
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	30
5.02 Tertiary enrollment*	11
5.03 Quality of the educational system	64
5.04 Quality of math and science education	22
5.05 Quality of management schools	52
5.06 Internet access in schools	39
5.07 Local availability of research and training services	56
5.08 Extent of staff training	38

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	37
6.02 Extent of market dominance	68
6.03 Effectiveness of anti-monopoly policy	58
6.04 Extent and effect of taxation	63
6.05 Total tax rate*	81
6.06 No. of procedures required to start a business*	34
6.07 Time required to start a business*	56
6.08 Agricultural policy costs	86
6.09 Prevalence of trade barriers	50
6.10 Trade-weighted tariff rate*	5
6.11 Prevalence of foreign ownership	76
6.12 Business impact of rules on FDI	102
6.13 Burden of customs procedures	36
6.14 Degree of customer orientation	21
6.15 Buyer sophistication	67
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	62
7.02 Flexibility of wage determination	9
7.03 Non-wage labor costs*	112
7.04 Rigidity of employment*	99
7.05 Hiring and firing practices	95
7.06 Firing costs*	51
7.07 Pay and productivity	23
7.08 Reliance on professional management	65
7.09 Brain drain	84
7.10 Female participation in labor force*	15
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	66
8.02 Financing through local equity market	58
8.03 Ease of access to loans	54
8.04 Venture capital availability	52
8.05 Restriction on capital flows	64
8.06 Strength of investor protection*	67
8.07 Soundness of banks	41
8.08 Regulation of securities exchanges	41
8.09 Legal rights index*	72
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	51
9.02 Firm-level technology absorption	58
9.03 Laws relating to ICT	41
9.04 FDI and technology transfer	83
9.05 Mobile telephone subscribers*	1
9.06 Internet users*	44
9.07 Personal computers*	45
9.08 Broadband Internet subscribers*	34
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	70
10.02 Foreign market size*	69
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	29
11.02 Local supplier quality	36
11.03 State of cluster development	76
11.04 Nature of competitive advantage	53
11.05 Value chain breadth	29
11.06 Control of international distribution	36
11.07 Production process sophistication	64
11.08 Extent of marketing	67
11.09 Willingness to delegate authority	70
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	52
12.02 Quality of scientific research institutions	46
12.03 Company spending on R&D	48
12.04 University-industry research collaboration	53
12.05 Gov't procurement of advanced tech products	83
12.06 Availability of scientists and engineers	65
12.07 Utility patents*	43

\* Hard data

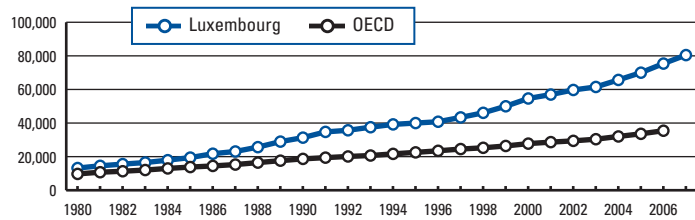
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Luxembourg

## Key indicators

Total population (millions), 2007 .....	0.5
GDP (US\$ billions), 2007 .....	50.2
GDP per capita (US\$), 2007 .....	104,673.3
GDP (PPP) as share (%) of world total, 2007 .....	0.06

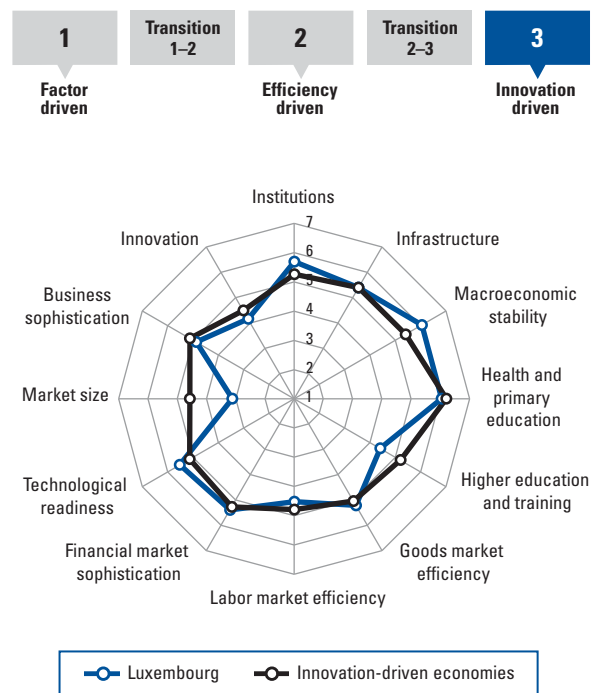
GDP (PPP US\$) per capita, 1980–2007



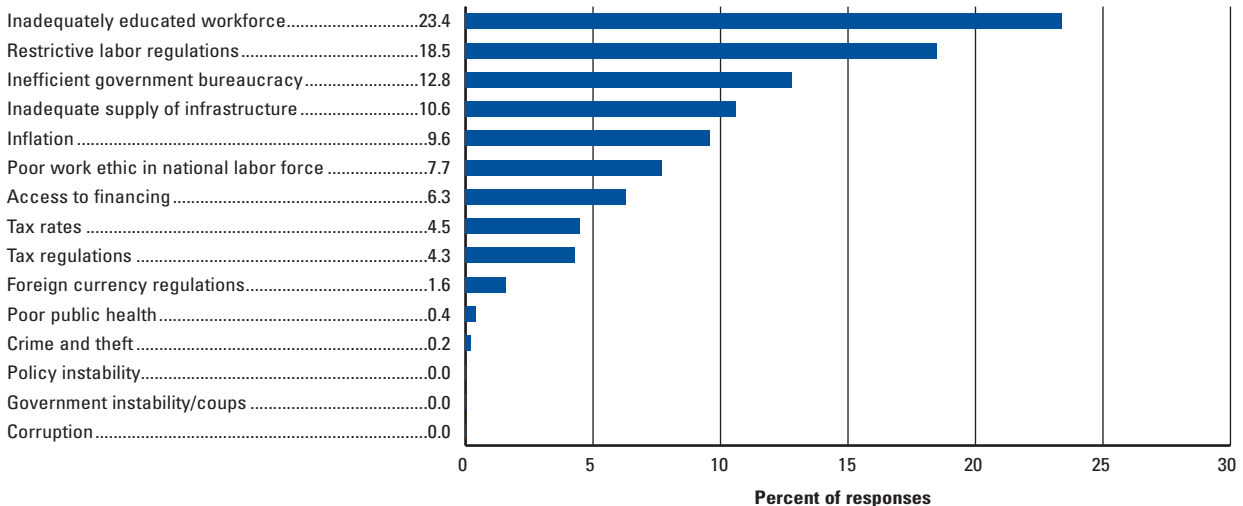
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>25</b>	<b>4.9</b>
GCI 2007–2008 (out of 131) .....	25	4.9
GCI 2006–2007 (out of 122) .....	25	5.0
<b>Basic requirements</b> .....	<b>12</b>	<b>5.8</b>
1st pillar: Institutions .....	13	5.7
2nd pillar: Infrastructure .....	20	5.4
3rd pillar: Macroeconomic stability .....	7	6.0
4th pillar: Health and primary education .....	31	6.0
<b>Efficiency enhancers</b> .....	<b>27</b>	<b>4.7</b>
5th pillar: Higher education and training .....	47	4.4
6th pillar: Goods market efficiency .....	13	5.2
7th pillar: Labor market efficiency .....	48	4.5
8th pillar: Financial market sophistication .....	17	5.4
9th pillar: Technological readiness .....	12	5.5
10th pillar: Market size .....	83	3.1
<b>Innovation and sophistication factors</b> .....	<b>24</b>	<b>4.5</b>
11th pillar: Business sophistication .....	25	4.9
12th pillar: Innovation .....	23	4.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	17 <span style="color: #0056b3;">■</span>
1.02 Intellectual property protection .....	15 <span style="color: #0056b3;">■</span>
1.03 Diversion of public funds .....	11 <span style="color: #0056b3;">■</span>
1.04 Public trust of politicians .....	9 <span style="color: #0056b3;">■</span>
1.05 Judicial independence .....	16 <span style="color: #0056b3;">■</span>
1.06 Favoritism in decisions of government officials .....	12 <span style="color: #0056b3;">■</span>
1.07 Wastefulness of government spending .....	20 <span style="color: #0056b3;">■</span>
1.08 Burden of government regulation .....	27 <span style="color: #808080;">■</span>
1.09 Efficiency of legal framework .....	15 <span style="color: #0056b3;">■</span>
1.10 Transparency of government policymaking .....	12 <span style="color: #0056b3;">■</span>
1.11 Business costs of terrorism .....	28 <span style="color: #808080;">■</span>
1.12 Business costs of crime and violence .....	10 <span style="color: #0056b3;">■</span>
1.13 Organized crime .....	12 <span style="color: #0056b3;">■</span>
1.14 Reliability of police services .....	17 <span style="color: #0056b3;">■</span>
1.15 Ethical behavior of firms .....	14 <span style="color: #0056b3;">■</span>
1.16 Strength of auditing and reporting standards .....	9 <span style="color: #0056b3;">■</span>
1.17 Efficacy of corporate boards .....	22 <span style="color: #0056b3;">■</span>
1.18 Protection of minority shareholders' interests .....	31 <span style="color: #808080;">■</span>
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	14 <span style="color: #0056b3;">■</span>
2.02 Quality of roads .....	16 <span style="color: #0056b3;">■</span>
2.03 Quality of railroad infrastructure .....	18 <span style="color: #0056b3;">■</span>
2.04 Quality of port infrastructure .....	21 <span style="color: #0056b3;">■</span>
2.05 Quality of air transport infrastructure .....	54 <span style="color: #808080;">■</span>
2.06 Available seat kilometers* .....	111 <span style="color: #808080;">■</span>
2.07 Quality of electricity supply .....	19 <span style="color: #0056b3;">■</span>
2.08 Telephone lines* .....	13 <span style="color: #0056b3;">■</span>
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	40 <span style="color: #808080;">■</span>
3.02 National savings rate* .....	33 <span style="color: #808080;">■</span>
3.03 Inflation* .....	33 <span style="color: #808080;">■</span>
3.04 Interest rate spread* .....	9 <span style="color: #0056b3;">■</span>
3.05 Government debt* .....	15 <span style="color: #0056b3;">■</span>
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	12 <span style="color: #0056b3;">■</span>
4.02 Malaria incidence* .....	1 <span style="color: #0056b3;">■</span>
4.03 Business impact of tuberculosis .....	19 <span style="color: #0056b3;">■</span>
4.04 Tuberculosis incidence* .....	23 <span style="color: #0056b3;">■</span>
4.05 Business impact of HIV/AIDS .....	34 <span style="color: #808080;">■</span>
4.06 HIV prevalence* .....	50 <span style="color: #808080;">■</span>
4.07 Infant mortality* .....	10 <span style="color: #0056b3;">■</span>
4.08 Life expectancy* .....	12 <span style="color: #0056b3;">■</span>
4.09 Quality of primary education .....	30 <span style="color: #808080;">■</span>
4.10 Primary enrollment* .....	32 <span style="color: #808080;">■</span>
4.11 Education expenditure* .....	80 <span style="color: #808080;">■</span>
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	38 <span style="color: #808080;">■</span>
5.02 Tertiary enrollment* .....	103 <span style="color: #808080;">■</span>
5.03 Quality of the educational system .....	41 <span style="color: #808080;">■</span>
5.04 Quality of math and science education .....	54 <span style="color: #808080;">■</span>
5.05 Quality of management schools .....	86 <span style="color: #808080;">■</span>
5.06 Internet access in schools .....	22 <span style="color: #0056b3;">■</span>
5.07 Local availability of research and training services .....	38 <span style="color: #808080;">■</span>
5.08 Extent of staff training .....	14 <span style="color: #0056b3;">■</span>

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

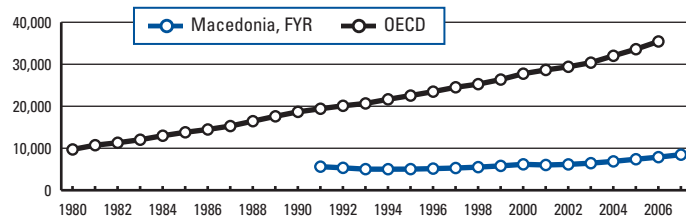
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	64 <span style="color: #808080;">■</span>
6.02 Extent of market dominance .....	23 <span style="color: #0056b3;">■</span>
6.03 Effectiveness of anti-monopoly policy .....	22 <span style="color: #0056b3;">■</span>
6.04 Extent and effect of taxation .....	12 <span style="color: #0056b3;">■</span>
6.05 Total tax rate* .....	35 <span style="color: #808080;">■</span>
6.06 No. of procedures required to start a business* .....	19 <span style="color: #0056b3;">■</span>
6.07 Time required to start a business* .....	56 <span style="color: #808080;">■</span>
6.08 Agricultural policy costs .....	29 <span style="color: #808080;">■</span>
6.09 Prevalence of trade barriers .....	10 <span style="color: #0056b3;">■</span>
6.10 Trade-weighted tariff rate* .....	5 <span style="color: #0056b3;">■</span>
6.11 Prevalence of foreign ownership .....	5 <span style="color: #0056b3;">■</span>
6.12 Business impact of rules on FDI .....	4 <span style="color: #0056b3;">■</span>
6.13 Burden of customs procedures .....	9 <span style="color: #0056b3;">■</span>
6.14 Degree of customer orientation .....	35 <span style="color: #808080;">■</span>
6.15 Buyer sophistication .....	12 <span style="color: #0056b3;">■</span>
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	20 <span style="color: #0056b3;">■</span>
7.02 Flexibility of wage determination .....	98 <span style="color: #808080;">■</span>
7.03 Non-wage labor costs* .....	46 <span style="color: #808080;">■</span>
7.04 Rigidity of employment* .....	120 <span style="color: #808080;">■</span>
7.05 Hiring and firing practices .....	113 <span style="color: #808080;">■</span>
7.06 Firing costs* .....	70 <span style="color: #808080;">■</span>
7.07 Pay and productivity .....	67 <span style="color: #808080;">■</span>
7.08 Reliance on professional management .....	31 <span style="color: #808080;">■</span>
7.09 Brain drain .....	35 <span style="color: #808080;">■</span>
7.10 Female participation in labor force* .....	68 <span style="color: #808080;">■</span>
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	4 <span style="color: #0056b3;">■</span>
8.02 Financing through local equity market .....	70 <span style="color: #808080;">■</span>
8.03 Ease of access to loans .....	5 <span style="color: #0056b3;">■</span>
8.04 Venture capital availability .....	10 <span style="color: #0056b3;">■</span>
8.05 Restriction on capital flows .....	13 <span style="color: #0056b3;">■</span>
8.06 Strength of investor protection* .....	86 <span style="color: #808080;">■</span>
8.07 Soundness of banks .....	3 <span style="color: #0056b3;">■</span>
8.08 Regulation of securities exchanges .....	13 <span style="color: #0056b3;">■</span>
8.09 Legal rights index* .....	29 <span style="color: #808080;">■</span>
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	25 <span style="color: #808080;">■</span>
9.02 Firm-level technology absorption .....	31 <span style="color: #808080;">■</span>
9.03 Laws relating to ICT .....	21 <span style="color: #0056b3;">■</span>
9.04 FDI and technology transfer .....	4 <span style="color: #0056b3;">■</span>
9.05 Mobile telephone subscribers* .....	9 <span style="color: #0056b3;">■</span>
9.06 Internet users* .....	7 <span style="color: #0056b3;">■</span>
9.07 Personal computers* .....	10 <span style="color: #0056b3;">■</span>
9.08 Broadband Internet subscribers* .....	13 <span style="color: #0056b3;">■</span>
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	97 <span style="color: #808080;">■</span>
10.02 Foreign market size* .....	56 <span style="color: #808080;">■</span>
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	102 <span style="color: #808080;">■</span>
11.02 Local supplier quality .....	33 <span style="color: #808080;">■</span>
11.03 State of cluster development .....	22 <span style="color: #0056b3;">■</span>
11.04 Nature of competitive advantage .....	17 <span style="color: #0056b3;">■</span>
11.05 Value chain breadth .....	20 <span style="color: #0056b3;">■</span>
11.06 Control of international distribution .....	48 <span style="color: #808080;">■</span>
11.07 Production process sophistication .....	15 <span style="color: #0056b3;">■</span>
11.08 Extent of marketing .....	31 <span style="color: #808080;">■</span>
11.09 Willingness to delegate authority .....	17 <span style="color: #0056b3;">■</span>
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	23 <span style="color: #0056b3;">■</span>
12.02 Quality of scientific research institutions .....	53 <span style="color: #808080;">■</span>
12.03 Company spending on R&D .....	21 <span style="color: #0056b3;">■</span>
12.04 University-industry research collaboration .....	34 <span style="color: #808080;">■</span>
12.05 Gov't procurement of advanced tech products .....	14 <span style="color: #0056b3;">■</span>
12.06 Availability of scientists and engineers .....	82 <span style="color: #808080;">■</span>
12.07 Utility patents* .....	12 <span style="color: #0056b3;">■</span>

# Macedonia, FYR

## Key indicators

Total population (millions), 2007 .....	2.0
GDP (US\$ billions), 2007 .....	7.5
GDP per capita (US\$), 2007 .....	3,659.0
GDP (PPP) as share (%) of world total, 2007 .....	0.03

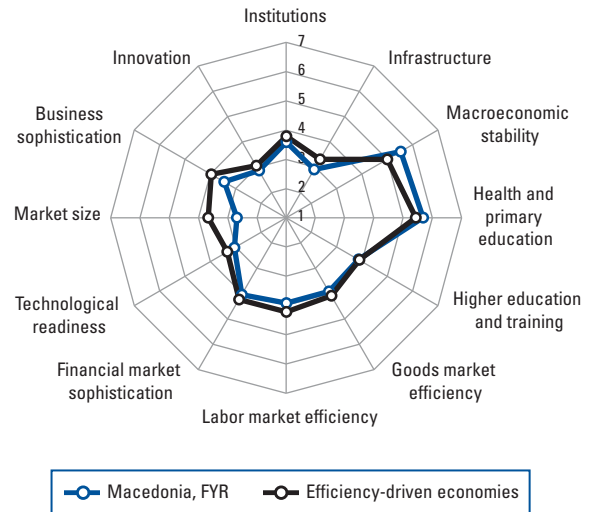
GDP (PPP US\$) per capita, 1980–2007



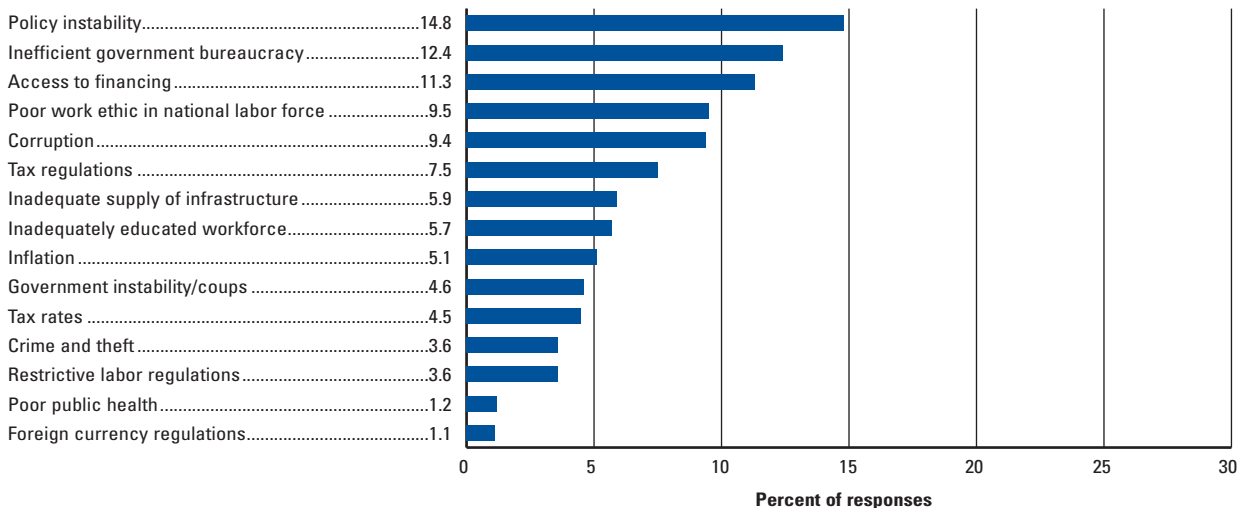
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>89</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	94	3.7
GCI 2006–2007 (out of 122) .....	84	3.8
<b>Basic requirements</b> .....	<b>68</b>	<b>4.4</b>
1st pillar: Institutions .....	90	3.6
2nd pillar: Infrastructure .....	89	2.9
3rd pillar: Macroeconomic stability .....	31	5.5
4th pillar: Health and primary education .....	55	5.7
<b>Efficiency enhancers</b> .....	<b>92</b>	<b>3.6</b>
5th pillar: Higher education and training .....	73	3.8
6th pillar: Goods market efficiency .....	98	3.9
7th pillar: Labor market efficiency .....	113	3.9
8th pillar: Financial market sophistication .....	83	4.0
9th pillar: Technological readiness .....	83	3.0
10th pillar: Market size .....	104	2.7
<b>Innovation and sophistication factors</b> .....	<b>105</b>	<b>3.2</b>
11th pillar: Business sophistication .....	107	3.5
12th pillar: Innovation .....	99	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	96
1.02 Intellectual property protection	107
1.03 Diversion of public funds	47
1.04 Public trust of politicians	83
1.05 Judicial independence	113
1.06 Favoritism in decisions of government officials	74
1.07 Wastefulness of government spending	71
1.08 Burden of government regulation	68
1.09 Efficiency of legal framework	113
1.10 Transparency of government policymaking	79
1.11 Business costs of terrorism	96
1.12 Business costs of crime and violence	76
1.13 Organized crime	113
1.14 Reliability of police services	79
1.15 Ethical behavior of firms	104
1.16 Strength of auditing and reporting standards	95
1.17 Efficacy of corporate boards	110
1.18 Protection of minority shareholders' interests	105
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	93
2.02 Quality of roads	83
2.03 Quality of railroad infrastructure	70
2.04 Quality of port infrastructure	85
2.05 Quality of air transport infrastructure	121
2.06 Available seat kilometers*	125
2.07 Quality of electricity supply	77
2.08 Telephone lines*	58
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	52
3.02 National savings rate*	83
3.03 Inflation*	28
3.04 Interest rate spread*	67
3.05 Government debt*	44
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	82
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	82
4.04 Tuberculosis incidence*	48
4.05 Business impact of HIV/AIDS	77
4.06 HIV prevalence*	1
4.07 Infant mortality*	63
4.08 Life expectancy*	55
4.09 Quality of primary education	59
4.10 Primary enrollment*	73
4.11 Education expenditure*	43
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	77
5.02 Tertiary enrollment*	69
5.03 Quality of the educational system	65
5.04 Quality of math and science education	52
5.05 Quality of management schools	92
5.06 Internet access in schools	84
5.07 Local availability of research and training services	99
5.08 Extent of staff training	83

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	107
6.02 Extent of market dominance	117
6.03 Effectiveness of anti-monopoly policy	107
6.04 Extent and effect of taxation	47
6.05 Total tax rate*	86
6.06 No. of procedures required to start a business*	58
6.07 Time required to start a business*	30
6.08 Agricultural policy costs	35
6.09 Prevalence of trade barriers	79
6.10 Trade-weighted tariff rate*	96
6.11 Prevalence of foreign ownership	113
6.12 Business impact of rules on FDI	106
6.13 Burden of customs procedures	70
6.14 Degree of customer orientation	97
6.15 Buyer sophistication	104
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	101
7.02 Flexibility of wage determination	22
7.03 Non-wage labor costs*	117
7.04 Rigidity of employment*	106
7.05 Hiring and firing practices	78
7.06 Firing costs*	45
7.07 Pay and productivity	79
7.08 Reliance on professional management	110
7.09 Brain drain	126
7.10 Female participation in labor force*	94
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	99
8.02 Financing through local equity market	82
8.03 Ease of access to loans	113
8.04 Venture capital availability	62
8.05 Restriction on capital flows	96
8.06 Strength of investor protection*	67
8.07 Soundness of banks	102
8.08 Regulation of securities exchanges	82
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	112
9.02 Firm-level technology absorption	131
9.03 Laws relating to ICT	84
9.04 FDI and technology transfer	109
9.05 Mobile telephone subscribers*	63
9.06 Internet users*	77
9.07 Personal computers*	36
9.08 Broadband Internet subscribers*	61
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	103
10.02 Foreign market size*	101
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	96
11.02 Local supplier quality	94
11.03 State of cluster development	123
11.04 Nature of competitive advantage	132
11.05 Value chain breadth	90
11.06 Control of international distribution	78
11.07 Production process sophistication	105
11.08 Extent of marketing	104
11.09 Willingness to delegate authority	118
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	83
12.02 Quality of scientific research institutions	95
12.03 Company spending on R&D	98
12.04 University-industry research collaboration	89
12.05 Gov't procurement of advanced tech products	111
12.06 Availability of scientists and engineers	70
12.07 Utility patents*	88

\* Hard data

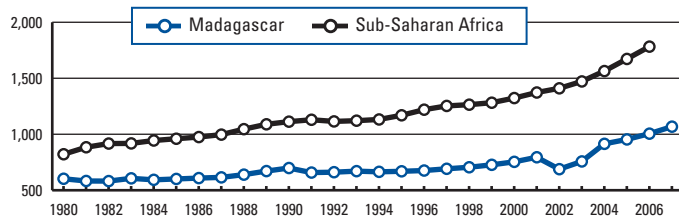
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Madagascar

## Key indicators

Total population (millions), 2007 .....	19.6
GDP (US\$ billions), 2007 .....	7.3
GDP per capita (US\$), 2007 .....	431.4
GDP (PPP) as share (%) of world total, 2007 .....	0.03

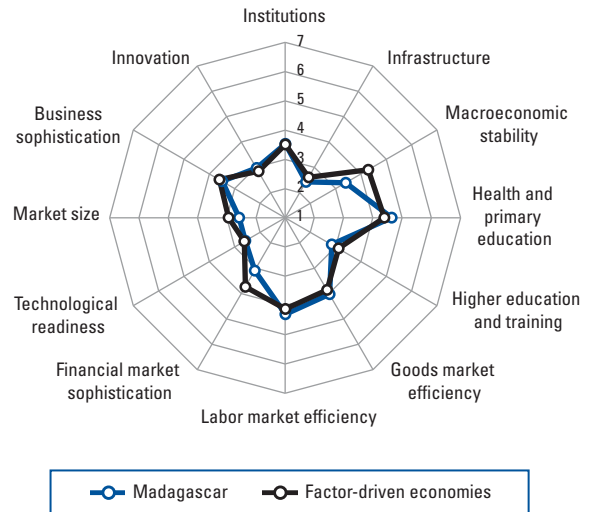
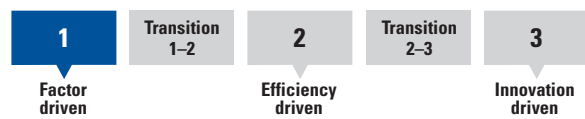
GDP (PPP US\$) per capita, 1980–2007



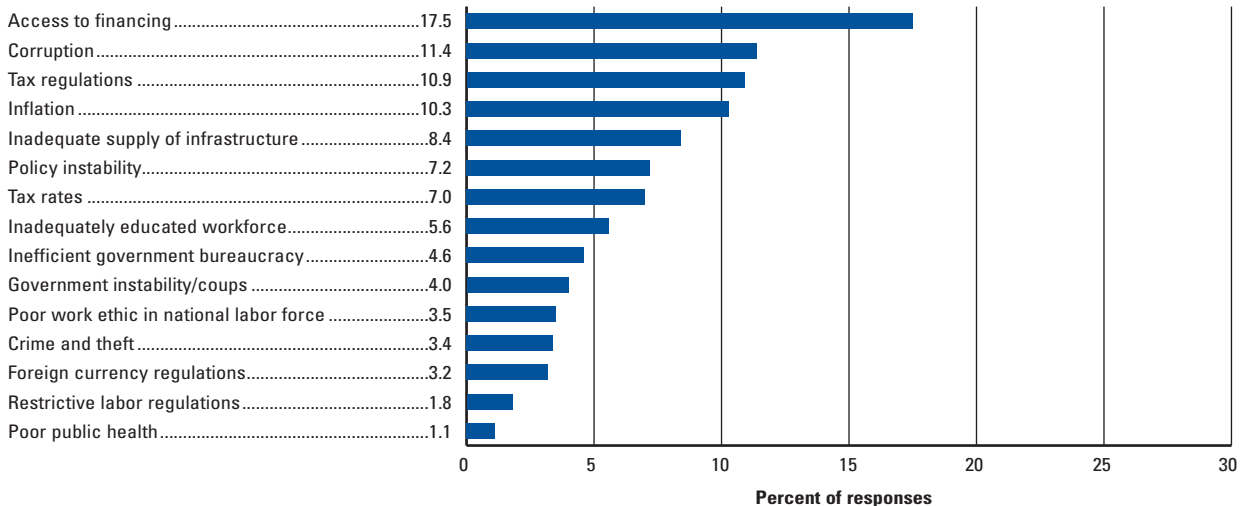
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>125</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	118	3.4
GCI 2006–2007 (out of 122) .....	111	3.3
<b>Basic requirements</b> .....	<b>125</b>	<b>3.5</b>
1st pillar: Institutions .....	94	3.5
2nd pillar: Infrastructure .....	114	2.4
3rd pillar: Macroeconomic stability .....	127	3.4
4th pillar: Health and primary education .....	104	4.6
<b>Efficiency enhancers</b> .....	<b>119</b>	<b>3.2</b>
5th pillar: Higher education and training .....	119	2.8
6th pillar: Goods market efficiency .....	85	4.0
7th pillar: Labor market efficiency .....	72	4.3
8th pillar: Financial market sophistication .....	128	3.1
9th pillar: Technological readiness .....	111	2.6
10th pillar: Market size .....	109	2.6
<b>Innovation and sophistication factors</b> .....	<b>97</b>	<b>3.2</b>
11th pillar: Business sophistication .....	102	3.5
12th pillar: Innovation .....	87	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....107	6.01	Intensity of local competition .....100
1.02	Intellectual property protection .....95	6.02	Extent of market dominance .....108
1.03	Diversion of public funds .....91	6.03	Effectiveness of anti-monopoly policy .....81
1.04	Public trust of politicians .....90	6.04	Extent and effect of taxation .....70
1.05	Judicial independence .....107	6.05	Total tax rate* .....75
1.06	Favoritism in decisions of government officials .....69	6.06	No. of procedures required to start a business* .....9
1.07	Wastefulness of government spending .....43	6.07	Time required to start a business* .....9
1.08	Burden of government regulation .....92	6.08	Agricultural policy costs .....68
1.09	Efficiency of legal framework .....93	6.09	Prevalence of trade barriers .....99
1.10	Transparency of government policymaking .....73	6.10	Trade-weighted tariff rate* .....89
1.11	Business costs of terrorism .....105	6.11	Prevalence of foreign ownership .....91
1.12	Business costs of crime and violence .....109	6.12	Business impact of rules on FDI .....103
1.13	Organized crime .....107	6.13	Burden of customs procedures .....101
1.14	Reliability of police services .....73	6.14	Degree of customer orientation .....61
1.15	Ethical behavior of firms .....90	6.15	Buyer sophistication .....120
1.16	Strength of auditing and reporting standards .....104	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....83	7.01	Cooperation in labor-employer relations .....86
1.18	Protection of minority shareholders' interests .....91	7.02	Flexibility of wage determination .....77
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....75
2.01	Quality of overall infrastructure .....104	7.04	Rigidity of employment* .....121
2.02	Quality of roads .....88	7.05	Hiring and firing practices .....52
2.03	Quality of railroad infrastructure .....94	7.06	Firing costs* .....51
2.04	Quality of port infrastructure .....118	7.07	Pay and productivity .....89
2.05	Quality of air transport infrastructure .....80	7.08	Reliance on professional management .....75
2.06	Available seat kilometers* .....96	7.09	Brain drain .....115
2.07	Quality of electricity supply .....123	7.10	Female participation in labor force* .....14
2.08	Telephone lines* .....126	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....125
3.01	Government surplus/deficit* .....112	8.02	Financing through local equity market .....130
3.02	National savings rate* .....103	8.03	Ease of access to loans .....111
3.03	Inflation* .....118	8.04	Venture capital availability .....105
3.04	Interest rate spread* .....130	8.05	Restriction on capital flows .....118
3.05	Government debt* .....64	8.06	Strength of investor protection* .....39
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....76
4.01	Business impact of malaria .....123	8.08	Regulation of securities exchanges .....131
4.02	Malaria incidence* .....125	8.09	Legal rights index* .....123
4.03	Business impact of tuberculosis .....115	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....110	9.01	Availability of latest technologies .....78
4.05	Business impact of HIV/AIDS .....107	9.02	Firm-level technology absorption .....71
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....108
4.07	Infant mortality* .....111	9.04	FDI and technology transfer .....96
4.08	Life expectancy* .....111	9.05	Mobile telephone subscribers* .....127
4.09	Quality of primary education .....99	9.06	Internet users* .....129
4.10	Primary enrollment* .....46	9.07	Personal computers* .....124
4.11	Education expenditure* .....105	9.08	Broadband Internet subscribers* .....83
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....126	10.01	Domestic market size* .....105
5.02	Tertiary enrollment* .....124	10.02	Foreign market size* .....112
5.03	Quality of the educational system .....103	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....74	11.01	Local supplier quantity .....104
5.05	Quality of management schools .....69	11.02	Local supplier quality .....102
5.06	Internet access in schools .....115	11.03	State of cluster development .....103
5.07	Local availability of research and training services .....98	11.04	Nature of competitive advantage .....121
5.08	Extent of staff training .....97	11.05	Value chain breadth .....101
		11.06	Control of international distribution .....110
		11.07	Production process sophistication .....116
		11.08	Extent of marketing .....87
		11.09	Willingness to delegate authority .....124
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....88
		12.02	Quality of scientific research institutions .....118
		12.03	Company spending on R&D .....77
		12.04	University-industry research collaboration .....111
		12.05	Gov't procurement of advanced tech products .....28
		12.06	Availability of scientists and engineers .....63
		12.07	Utility patents* .....88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

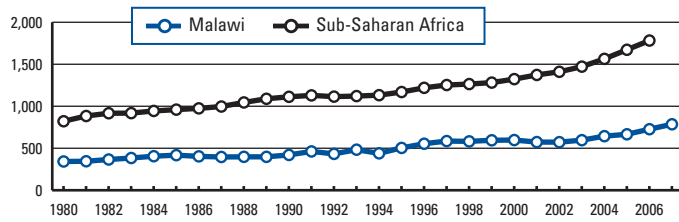


# Malawi

## Key indicators

Total population (millions), 2007 .....	13.5
GDP (US\$ billions), 2007 .....	3.5
GDP per capita (US\$), 2007 .....	264.3
GDP (PPP) as share (%) of world total, 2007 .....	0.02

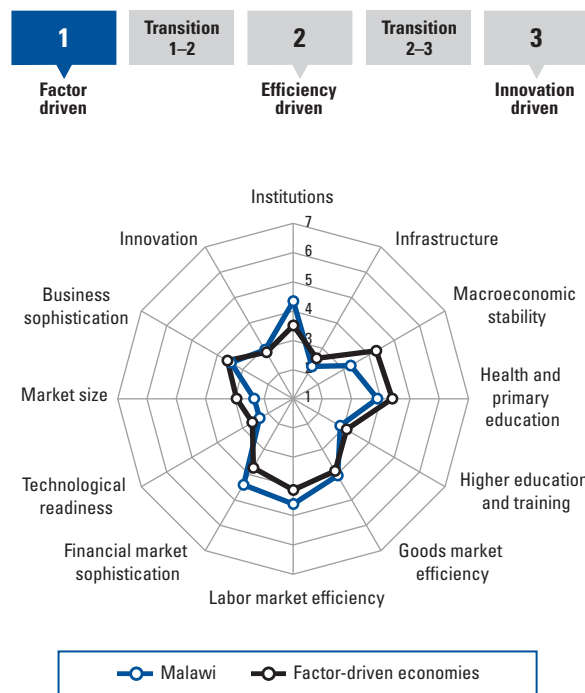
GDP (PPP US\$) per capita, 1980–2007



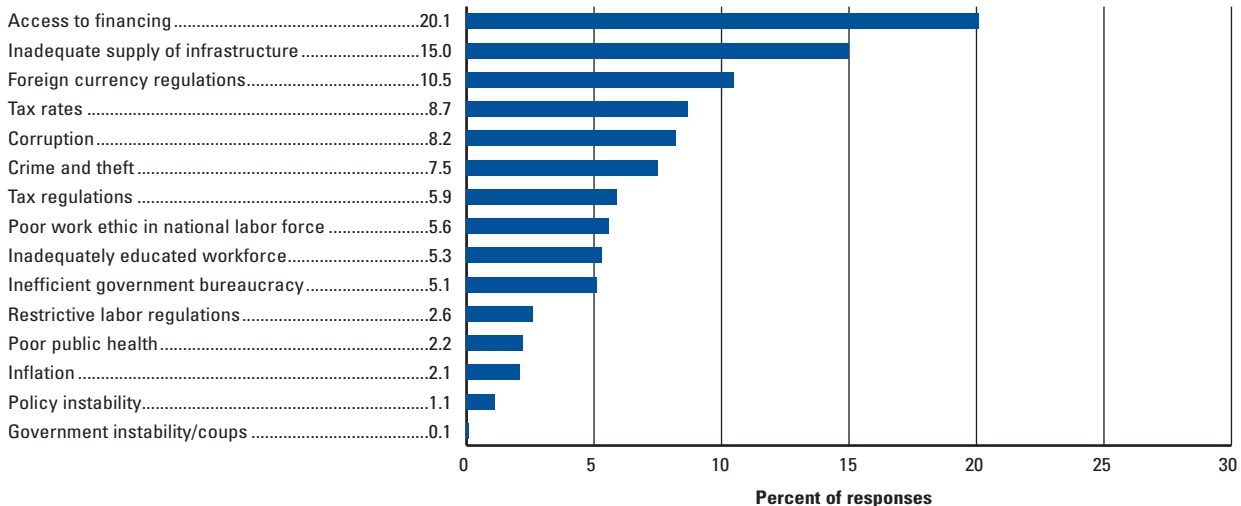
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>119</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	n/a	n/a
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>127</b>	<b>3.4</b>
1st pillar: Institutions .....	51	4.3
2nd pillar: Infrastructure .....	119	2.3
3rd pillar: Macroeconomic stability .....	129	3.3
4th pillar: Health and primary education .....	120	3.9
<b>Efficiency enhancers</b> .....	<b>101</b>	<b>3.4</b>
5th pillar: Higher education and training .....	116	2.9
6th pillar: Goods market efficiency .....	84	4.0
7th pillar: Labor market efficiency .....	42	4.6
8th pillar: Financial market sophistication .....	62	4.4
9th pillar: Technological readiness .....	127	2.3
10th pillar: Market size .....	121	2.3
<b>Innovation and sophistication factors</b> .....	<b>101</b>	<b>3.2</b>
11th pillar: Business sophistication .....	104	3.5
12th pillar: Innovation .....	94	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	79	6.01 Intensity of local competition .....	77
1.02 Intellectual property protection .....	90	6.02 Extent of market dominance .....	112
1.03 Diversion of public funds .....	50	6.03 Effectiveness of anti-monopoly policy .....	70
1.04 Public trust of politicians .....	57	6.04 Extent and effect of taxation .....	98
1.05 Judicial independence .....	35	6.05 Total tax rate* .....	23
1.06 Favoritism in decisions of government officials .....	56	6.06 No. of procedures required to start a business* .....	75
1.07 Wastefulness of government spending .....	31	6.07 Time required to start a business* .....	87
1.08 Burden of government regulation .....	30	6.08 Agricultural policy costs .....	13
1.09 Efficiency of legal framework .....	52	6.09 Prevalence of trade barriers .....	88
1.10 Transparency of government policymaking .....	41	6.10 Trade-weighted tariff rate* .....	115
1.11 Business costs of terrorism .....	15	6.11 Prevalence of foreign ownership .....	72
1.12 Business costs of crime and violence .....	87	6.12 Business impact of rules on FDI .....	58
1.13 Organized crime .....	59	6.13 Burden of customs procedures .....	85
1.14 Reliability of police services .....	61	6.14 Degree of customer orientation .....	83
1.15 Ethical behavior of firms .....	45	6.15 Buyer sophistication .....	117
1.16 Strength of auditing and reporting standards .....	56	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	26	7.01 Cooperation in labor-employer relations .....	60
1.18 Protection of minority shareholders' interests .....	41	7.02 Flexibility of wage determination .....	41
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	9
2.01 Quality of overall infrastructure .....	116	7.04 Rigidity of employment* .....	39
2.02 Quality of roads .....	106	7.05 Hiring and firing practices .....	81
2.03 Quality of railroad infrastructure .....	84	7.06 Firing costs* .....	99
2.04 Quality of port infrastructure .....	82	7.07 Pay and productivity .....	98
2.05 Quality of air transport infrastructure .....	127	7.08 Reliance on professional management .....	37
2.06 Available seat kilometers* .....	124	7.09 Brain drain .....	107
2.07 Quality of electricity supply .....	116	7.10 Female participation in labor force* .....	5
2.08 Telephone lines* .....	118	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	90
3.01 Government surplus/deficit* .....	81	8.02 Financing through local equity market .....	32
3.02 National savings rate* .....	133	8.03 Ease of access to loans .....	109
3.03 Inflation* .....	100	8.04 Venture capital availability .....	121
3.04 Interest rate spread* .....	129	8.05 Restriction on capital flows .....	113
3.05 Government debt* .....	89	8.06 Strength of investor protection* .....	50
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	48
4.01 Business impact of malaria .....	129	8.08 Regulation of securities exchanges .....	64
4.02 Malaria incidence* .....	130	8.09 Legal rights index* .....	16
4.03 Business impact of tuberculosis .....	131	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	122	9.01 Availability of latest technologies .....	114
4.05 Business impact of HIV/AIDS .....	130	9.02 Firm-level technology absorption .....	116
4.06 HIV prevalence* .....	127	9.03 Laws relating to ICT .....	111
4.07 Infant mortality* .....	115	9.04 FDI and technology transfer .....	102
4.08 Life expectancy* .....	123	9.05 Mobile telephone subscribers* .....	128
4.09 Quality of primary education .....	121	9.06 Internet users* .....	131
4.10 Primary enrollment* .....	79	9.07 Personal computers* .....	130
4.11 Education expenditure* .....	44	9.08 Broadband Internet subscribers* .....	120
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	122	10.01 Domestic market size* .....	115
5.02 Tertiary enrollment* .....	134	10.02 Foreign market size* .....	122
5.03 Quality of the educational system .....	72	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	110	11.01 Local supplier quantity .....	97
5.05 Quality of management schools .....	121	11.02 Local supplier quality .....	115
5.06 Internet access in schools .....	130	11.03 State of cluster development .....	106
5.07 Local availability of research and training services .....	102	11.04 Nature of competitive advantage .....	118
5.08 Extent of staff training .....	76	11.05 Value chain breadth .....	125
		11.06 Control of international distribution .....	72
		11.07 Production process sophistication .....	134
		11.08 Extent of marketing .....	112
		11.09 Willingness to delegate authority .....	77
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	121
		12.02 Quality of scientific research institutions .....	65
		12.03 Company spending on R&D .....	102
		12.04 University-industry research collaboration .....	65
		12.05 Gov't procurement of advanced tech products .....	60
		12.06 Availability of scientists and engineers .....	101
		12.07 Utility patents* .....	88

\* Hard data

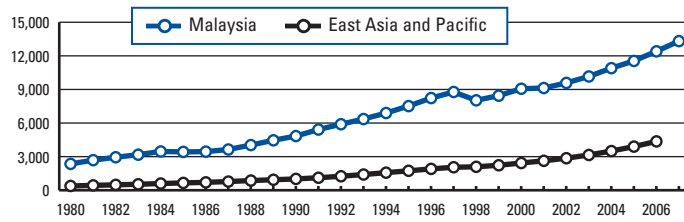
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Malaysia

## Key indicators

Total population (millions), 2007 .....	26.2
GDP (US\$ billions), 2007 .....	186.5
GDP per capita (US\$), 2007 .....	6,947.6
GDP (PPP) as share (%) of world total, 2007 .....	0.52

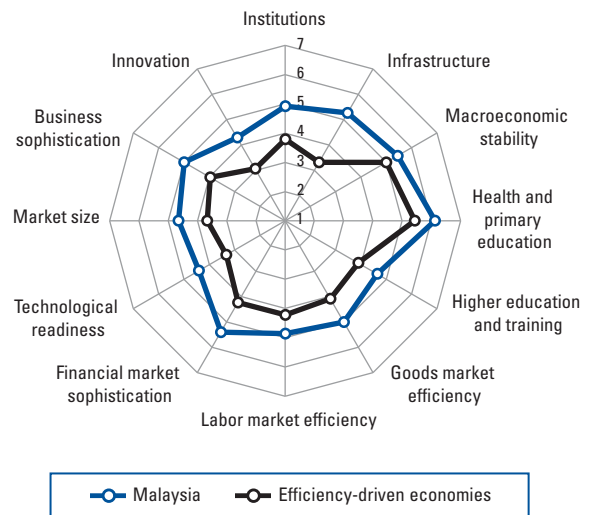
GDP (PPP US\$) per capita, 1980–2007



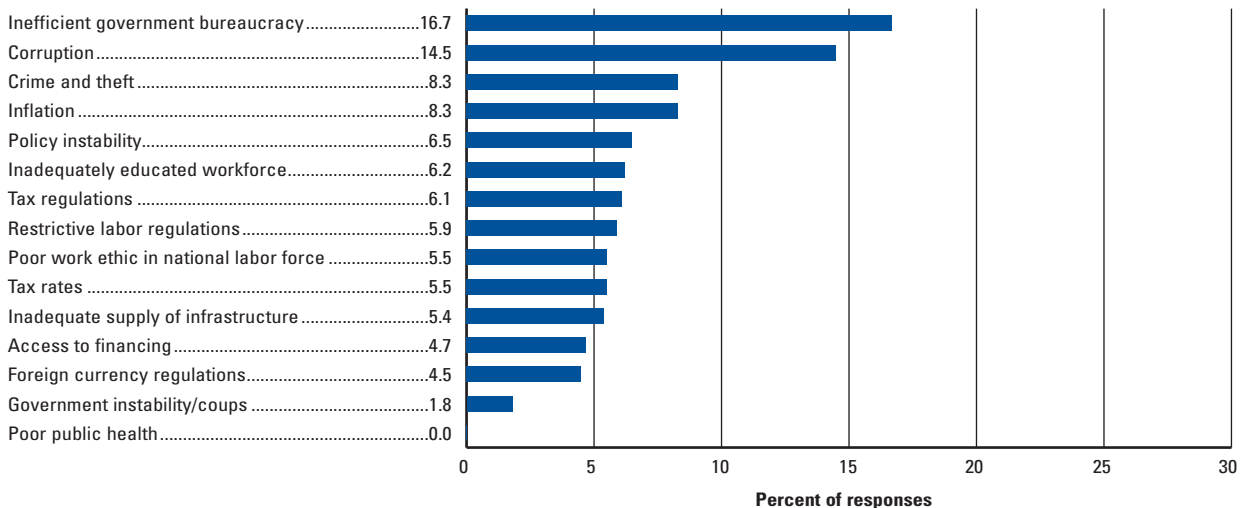
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>21</b>	<b>5.0</b>
GCI 2007–2008 (out of 131) .....	21	5.1
GCI 2006–2007 (out of 122) .....	19	5.2
<b>Basic requirements</b> .....	<b>25</b>	<b>5.4</b>
1st pillar: Institutions .....	30	4.9
2nd pillar: Infrastructure .....	23	5.3
3rd pillar: Macroeconomic stability .....	38	5.4
4th pillar: Health and primary education .....	23	6.1
<b>Efficiency enhancers</b> .....	<b>24</b>	<b>4.8</b>
5th pillar: Higher education and training .....	35	4.6
6th pillar: Goods market efficiency .....	23	5.0
7th pillar: Labor market efficiency .....	19	4.9
8th pillar: Financial market sophistication .....	16	5.4
9th pillar: Technological readiness .....	34	4.4
10th pillar: Market size .....	28	4.7
<b>Innovation and sophistication factors</b> .....	<b>23</b>	<b>4.6</b>
11th pillar: Business sophistication .....	22	5.0
12th pillar: Innovation .....	22	4.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	38
1.02 Intellectual property protection	33
1.03 Diversion of public funds	39
1.04 Public trust of politicians	20
1.05 Judicial independence	47
1.06 Favoritism in decisions of government officials	28
1.07 Wastefulness of government spending	10
1.08 Burden of government regulation	13
1.09 Efficiency of legal framework	21
1.10 Transparency of government policymaking	20
1.11 Business costs of terrorism	82
1.12 Business costs of crime and violence	74
1.13 Organized crime	75
1.14 Reliability of police services	37
1.15 Ethical behavior of firms	30
1.16 Strength of auditing and reporting standards	33
1.17 Efficacy of corporate boards	25
1.18 Protection of minority shareholders' interests	25
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	19
2.02 Quality of roads	17
2.03 Quality of railroad infrastructure	17
2.04 Quality of port infrastructure	16
2.05 Quality of air transport infrastructure	20
2.06 Available seat kilometers*	22
2.07 Quality of electricity supply	31
2.08 Telephone lines*	71
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	109
3.02 National savings rate*	17
3.03 Inflation*	25
3.04 Interest rate spread*	31
3.05 Government debt*	74
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	76
4.02 Malaria incidence*	84
4.03 Business impact of tuberculosis	65
4.04 Tuberculosis incidence*	88
4.05 Business impact of HIV/AIDS	67
4.06 HIV prevalence*	79
4.07 Infant mortality*	47
4.08 Life expectancy*	66
4.09 Quality of primary education	23
4.10 Primary enrollment*	1
4.11 Education expenditure*	20
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	95
5.02 Tertiary enrollment*	71
5.03 Quality of the educational system	18
5.04 Quality of math and science education	21
5.05 Quality of management schools	23
5.06 Internet access in schools	40
5.07 Local availability of research and training services	27
5.08 Extent of staff training	20

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

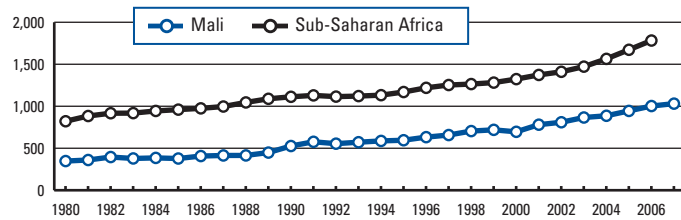
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	31
6.02 Extent of market dominance	24
6.03 Effectiveness of anti-monopoly policy	40
6.04 Extent and effect of taxation	20
6.05 Total tax rate*	40
6.06 No. of procedures required to start a business*	58
6.07 Time required to start a business*	51
6.08 Agricultural policy costs	7
6.09 Prevalence of trade barriers	70
6.10 Trade-weighted tariff rate*	72
6.11 Prevalence of foreign ownership	67
6.12 Business impact of rules on FDI	47
6.13 Burden of customs procedures	27
6.14 Degree of customer orientation	22
6.15 Buyer sophistication	23
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	13
7.02 Flexibility of wage determination	42
7.03 Non-wage labor costs*	60
7.04 Rigidity of employment*	14
7.05 Hiring and firing practices	42
7.06 Firing costs*	95
7.07 Pay and productivity	6
7.08 Reliance on professional management	22
7.09 Brain drain	29
7.10 Female participation in labor force*	107
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	31
8.02 Financing through local equity market	16
8.03 Ease of access to loans	15
8.04 Venture capital availability	18
8.05 Restriction on capital flows	67
8.06 Strength of investor protection*	4
8.07 Soundness of banks	50
8.08 Regulation of securities exchanges	32
8.09 Legal rights index*	8
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	29
9.02 Firm-level technology absorption	21
9.03 Laws relating to ICT	19
9.04 FDI and technology transfer	6
9.05 Mobile telephone subscribers*	56
9.06 Internet users*	20
9.07 Personal computers*	38
9.08 Broadband Internet subscribers*	51
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	35
10.02 Foreign market size*	17
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	16
11.02 Local supplier quality	32
11.03 State of cluster development	13
11.04 Nature of competitive advantage	29
11.05 Value chain breadth	26
11.06 Control of international distribution	18
11.07 Production process sophistication	27
11.08 Extent of marketing	29
11.09 Willingness to delegate authority	20
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	21
12.02 Quality of scientific research institutions	20
12.03 Company spending on R&D	18
12.04 University-industry research collaboration	20
12.05 Gov't procurement of advanced tech products	6
12.06 Availability of scientists and engineers	24
12.07 Utility patents*	29

# Mali

## Key indicators

Total population (millions), 2007 .....	14.3
GDP (US\$ billions), 2007 .....	6.7
GDP per capita (US\$), 2007 .....	516.5
GDP (PPP) as share (%) of world total, 2007 .....	0.02

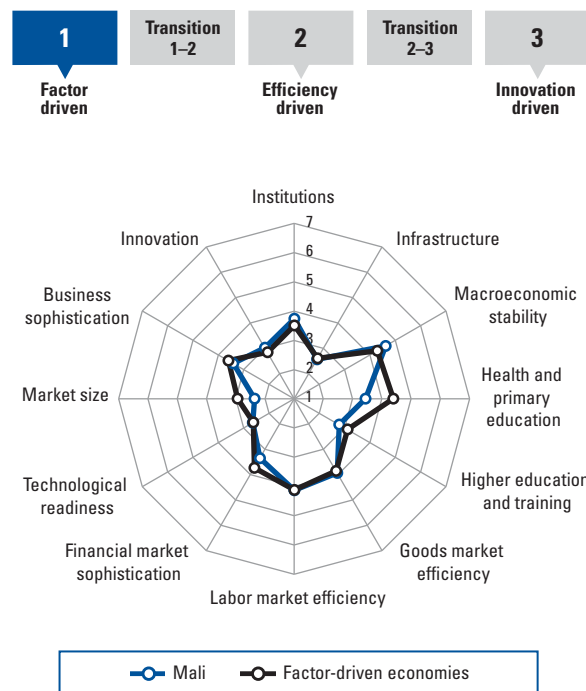
GDP (PPP US\$) per capita, 1980–2007



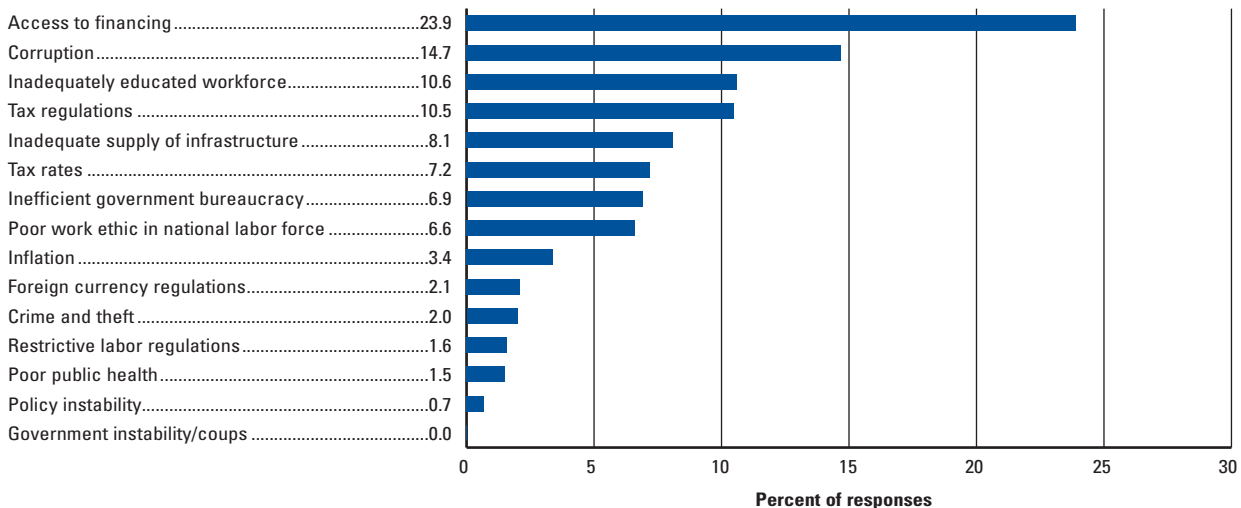
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>117</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	115	3.4
GCI 2006–2007 (out of 122) .....	115	3.3
<b>Basic requirements</b> .....	<b>116</b>	<b>3.6</b>
1st pillar: Institutions .....	79	3.7
2nd pillar: Infrastructure .....	107	2.6
3rd pillar: Macroeconomic stability .....	94	4.6
4th pillar: Health and primary education .....	130	3.4
<b>Efficiency enhancers</b> .....	<b>122</b>	<b>3.2</b>
5th pillar: Higher education and training .....	122	2.8
6th pillar: Goods market efficiency .....	95	3.9
7th pillar: Labor market efficiency .....	94	4.1
8th pillar: Financial market sophistication .....	120	3.3
9th pillar: Technological readiness .....	105	2.6
10th pillar: Market size .....	119	2.4
<b>Innovation and sophistication factors</b> .....	<b>99</b>	<b>3.2</b>
11th pillar: Business sophistication .....	111	3.4
12th pillar: Innovation .....	79	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	91 .....	6.01 Intensity of local competition .....	73 .....
1.02 Intellectual property protection .....	83 .....	6.02 Extent of market dominance .....	52 .....
1.03 Diversion of public funds .....	113 .....	6.03 Effectiveness of anti-monopoly policy .....	82 .....
1.04 Public trust of politicians .....	85 .....	6.04 Extent and effect of taxation .....	57 .....
1.05 Judicial independence .....	72 .....	6.05 Total tax rate* .....	94 .....
1.06 Favoritism in decisions of government officials .....	80 .....	6.06 No. of procedures required to start a business* .....	91 .....
1.07 Wastefulness of government spending .....	58 .....	6.07 Time required to start a business* .....	56 .....
1.08 Burden of government regulation .....	35 .....	6.08 Agricultural policy costs .....	36 .....
1.09 Efficiency of legal framework .....	58 .....	6.09 Prevalence of trade barriers .....	121 .....
1.10 Transparency of government policymaking .....	40 .....	6.10 Trade-weighted tariff rate* .....	100 .....
1.11 Business costs of terrorism .....	92 .....	6.11 Prevalence of foreign ownership .....	101 .....
1.12 Business costs of crime and violence .....	89 .....	6.12 Business impact of rules on FDI .....	85 .....
1.13 Organized crime .....	91 .....	6.13 Burden of customs procedures .....	88 .....
1.14 Reliability of police services .....	60 .....	6.14 Degree of customer orientation .....	102 .....
1.15 Ethical behavior of firms .....	74 .....	6.15 Buyer sophistication .....	121 .....
1.16 Strength of auditing and reporting standards .....	117 .....		
1.17 Efficacy of corporate boards .....	115 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	82 .....	7.01 Cooperation in labor-employer relations .....	56 .....
		7.02 Flexibility of wage determination .....	111 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	107 .....
2.01 Quality of overall infrastructure .....	106 .....	7.04 Rigidity of employment* .....	70 .....
2.02 Quality of roads .....	96 .....	7.05 Hiring and firing practices .....	38 .....
2.03 Quality of railroad infrastructure .....	89 .....	7.06 Firing costs* .....	53 .....
2.04 Quality of port infrastructure .....	77 .....	7.07 Pay and productivity .....	128 .....
2.05 Quality of air transport infrastructure .....	95 .....	7.08 Reliance on professional management .....	128 .....
2.06 Available seat kilometers* .....	109 .....	7.09 Brain drain .....	105 .....
2.07 Quality of electricity supply .....	99 .....	7.10 Female participation in labor force* .....	20 .....
2.08 Telephone lines* .....	127 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	116 .....
3.01 Government surplus/deficit* .....	73 .....	8.02 Financing through local equity market .....	108 .....
3.02 National savings rate* .....	113 .....	8.03 Ease of access to loans .....	131 .....
3.03 Inflation* .....	39 .....	8.04 Venture capital availability .....	126 .....
3.04 Interest rate spread* .....	118 .....	8.05 Restriction on capital flows .....	95 .....
3.05 Government debt* .....	n/a	8.06 Strength of investor protection* .....	112 .....
		8.07 Soundness of banks .....	92 .....
		8.08 Regulation of securities exchanges .....	107 .....
		8.09 Legal rights index* .....	93 .....
		<b>9th pillar: Technological readiness</b>	
<b>4th pillar: Health and primary education</b>		9.01 Availability of latest technologies .....	95 .....
4.01 Business impact of malaria .....	130 .....	9.02 Firm-level technology absorption .....	77 .....
4.02 Malaria incidence* .....	120 .....	9.03 Laws relating to ICT .....	95 .....
4.03 Business impact of tuberculosis .....	122 .....	9.04 FDI and technology transfer .....	59 .....
4.04 Tuberculosis incidence* .....	114 .....	9.05 Mobile telephone subscribers* .....	122 .....
4.05 Business impact of HIV/AIDS .....	116 .....	9.06 Internet users* .....	126 .....
4.06 HIV prevalence* .....	109 .....	9.07 Personal computers* .....	127 .....
4.07 Infant mortality* .....	133 .....	9.08 Broadband Internet subscribers* .....	111 .....
4.08 Life expectancy* .....	130 .....		
4.09 Quality of primary education .....	113 .....	<b>10th pillar: Market size</b>	
4.10 Primary enrollment* .....	127 .....	10.01 Domestic market size* .....	116 .....
4.11 Education expenditure* .....	85 .....	10.02 Foreign market size* .....	118 .....
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment* .....	123 .....	11.01 Local supplier quantity .....	73 .....
5.02 Tertiary enrollment* .....	123 .....	11.02 Local supplier quality .....	105 .....
5.03 Quality of the educational system .....	119 .....	11.03 State of cluster development .....	127 .....
5.04 Quality of math and science education .....	103 .....	11.04 Nature of competitive advantage .....	99 .....
5.05 Quality of management schools .....	96 .....	11.05 Value chain breadth .....	95 .....
5.06 Internet access in schools .....	97 .....	11.06 Control of international distribution .....	100 .....
5.07 Local availability of research and training services .....	88 .....	11.07 Production process sophistication .....	112 .....
5.08 Extent of staff training .....	123 .....	11.08 Extent of marketing .....	120 .....
		11.09 Willingness to delegate authority .....	128 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	101 .....
		12.02 Quality of scientific research institutions .....	78 .....
		12.03 Company spending on R&D .....	103 .....
		12.04 University-industry research collaboration .....	103 .....
		12.05 Gov't procurement of advanced tech products .....	25 .....
		12.06 Availability of scientists and engineers .....	72 .....
		12.07 Utility patents* .....	88 .....

\* Hard data

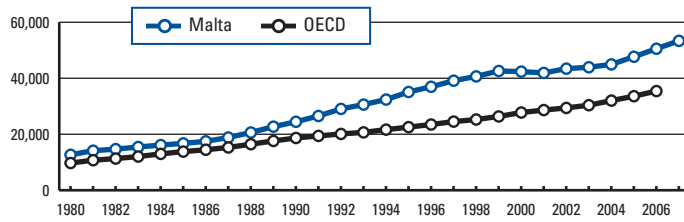
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Malta

## Key indicators

Total population (millions), 2007 .....	0.4
GDP (US\$ billions), 2007 .....	7.4
GDP per capita (US\$), 2007 .....	18,088.0
GDP (PPP) as share (%) of world total, 2007 .....	0.02

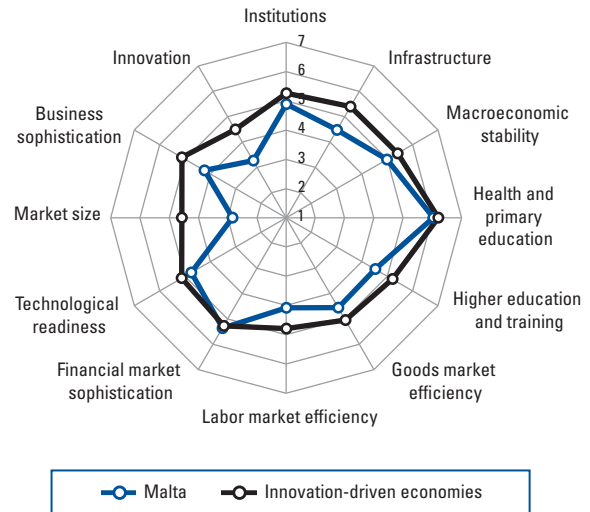
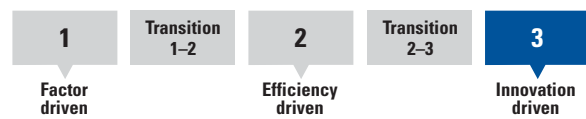
GDP (PPP US\$) per capita, 1980–2007



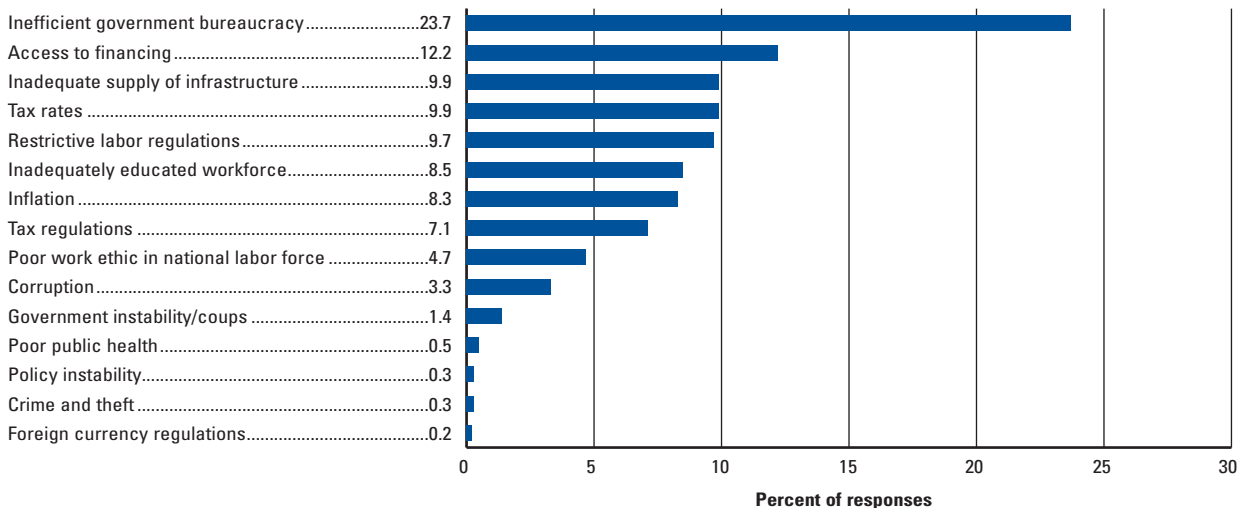
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>52</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	56	4.2
GCI 2006–2007 (out of 122) .....	51	4.2
<b>Basic requirements</b> .....	<b>40</b>	<b>5.1</b>
1st pillar: Institutions .....	32	4.9
2nd pillar: Infrastructure .....	38	4.5
3rd pillar: Macroeconomic stability .....	68	5.0
4th pillar: Health and primary education .....	32	6.0
<b>Efficiency enhancers</b> .....	<b>44</b>	<b>4.3</b>
5th pillar: Higher education and training .....	39	4.5
6th pillar: Goods market efficiency .....	43	4.6
7th pillar: Labor market efficiency .....	100	4.1
8th pillar: Financial market sophistication .....	18	5.4
9th pillar: Technological readiness .....	27	4.7
10th pillar: Market size .....	97	2.8
<b>Innovation and sophistication factors</b> .....	<b>56</b>	<b>3.7</b>
11th pillar: Business sophistication .....	59	4.2
12th pillar: Innovation .....	60	3.2

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	32	6.01 Intensity of local competition	29
1.02 Intellectual property protection	43	6.02 Extent of market dominance	53
1.03 Diversion of public funds	30	6.03 Effectiveness of anti-monopoly policy	43
1.04 Public trust of politicians	31	6.04 Extent and effect of taxation	48
1.05 Judicial independence	28	6.05 Total tax rate*	n/a
1.06 Favoritism in decisions of government officials	39	6.06 No. of procedures required to start a business*	n/a
1.07 Wastefulness of government spending	38	6.07 Time required to start a business*	n/a
1.08 Burden of government regulation	98	6.08 Agricultural policy costs	14
1.09 Efficiency of legal framework	37	6.09 Prevalence of trade barriers	17
1.10 Transparency of government policymaking	42	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	11	6.11 Prevalence of foreign ownership	27
1.12 Business costs of crime and violence	13	6.12 Business impact of rules on FDI	7
1.13 Organized crime	7	6.13 Burden of customs procedures	45
1.14 Reliability of police services	29	6.14 Degree of customer orientation	77
1.15 Ethical behavior of firms	44	6.15 Buyer sophistication	54
1.16 Strength of auditing and reporting standards	15		
1.17 Efficacy of corporate boards	63	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	26	7.01 Cooperation in labor-employer relations	52
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	60
2.01 Quality of overall infrastructure	41	7.03 Non-wage labor costs*	n/a
2.02 Quality of roads	75	7.04 Rigidity of employment*	n/a
2.03 Quality of railroad infrastructure	n/a	7.05 Hiring and firing practices	108
2.04 Quality of port infrastructure	28	7.06 Firing costs*	n/a
2.05 Quality of air transport infrastructure	35	7.07 Pay and productivity	71
2.06 Available seat kilometers*	88	7.08 Reliance on professional management	77
2.07 Quality of electricity supply	59	7.09 Brain drain	47
2.08 Telephone lines*	15	7.10 Female participation in labor force*	110
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	100	8.01 Financial market sophistication	34
3.02 National savings rate*	112	8.02 Financing through local equity market	38
3.03 Inflation*	6	8.03 Ease of access to loans	35
3.04 Interest rate spread*	14	8.04 Venture capital availability	69
3.05 Government debt*	104	8.05 Restriction on capital flows	18
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	n/a
4.01 Business impact of malaria	34	8.07 Soundness of banks	10
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	22
4.03 Business impact of tuberculosis	33	8.09 Legal rights index*	n/a
4.04 Tuberculosis incidence*	8	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	36	9.01 Availability of latest technologies	26
4.06 HIV prevalence*	23	9.02 Firm-level technology absorption	43
4.07 Infant mortality*	26	9.03 Laws relating to ICT	24
4.08 Life expectancy*	22	9.04 FDI and technology transfer	5
4.09 Quality of primary education	18	9.05 Mobile telephone subscribers*	44
4.10 Primary enrollment*	78	9.06 Internet users*	43
4.11 Education expenditure*	65	9.07 Personal computers*	n/a
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	31
5.01 Secondary enrollment*	29	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	66	10.01 Domestic market size*	102
5.03 Quality of the educational system	24	10.02 Foreign market size*	78
5.04 Quality of math and science education	29	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	40	11.01 Local supplier quantity	72
5.06 Internet access in schools	17	11.02 Local supplier quality	52
5.07 Local availability of research and training services	96	11.03 State of cluster development	95
5.08 Extent of staff training	45	11.04 Nature of competitive advantage	33
		11.05 Value chain breadth	42
		11.06 Control of international distribution	63
		11.07 Production process sophistication	38
		11.08 Extent of marketing	56
		11.09 Willingness to delegate authority	65
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	72
		12.02 Quality of scientific research institutions	67
		12.03 Company spending on R&D	61
		12.04 University-industry research collaboration	78
		12.05 Gov't procurement of advanced tech products	44
		12.06 Availability of scientists and engineers	73
		12.07 Utility patents*	36

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

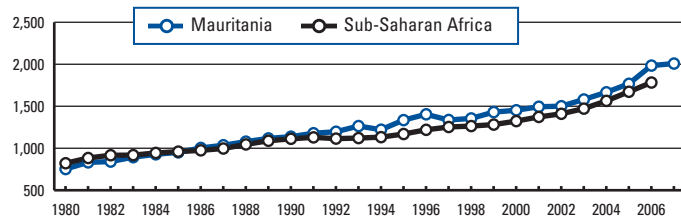


# Mauritania

## Key indicators

Total population (millions), 2007 .....	3.2
GDP (US\$ billions), 2007 .....	2.8
GDP per capita (US\$), 2007 .....	930.8
GDP (PPP) as share (%) of world total, 2007 .....	0.01

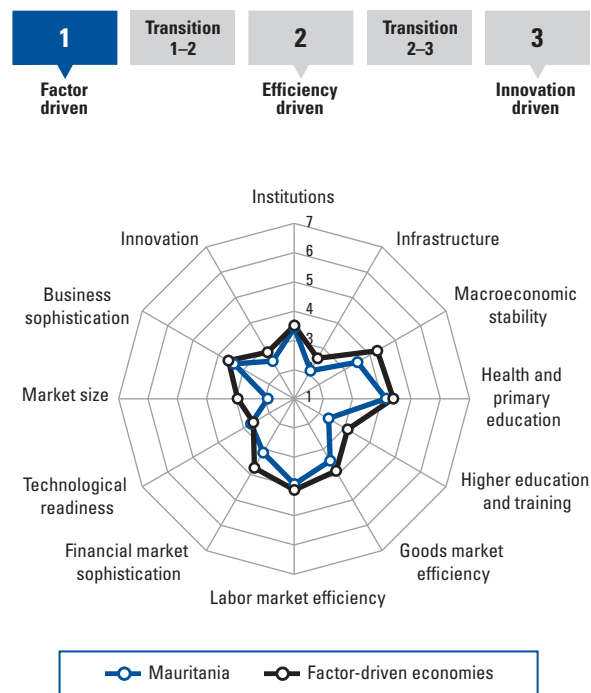
GDP (PPP US\$) per capita, 1980–2007



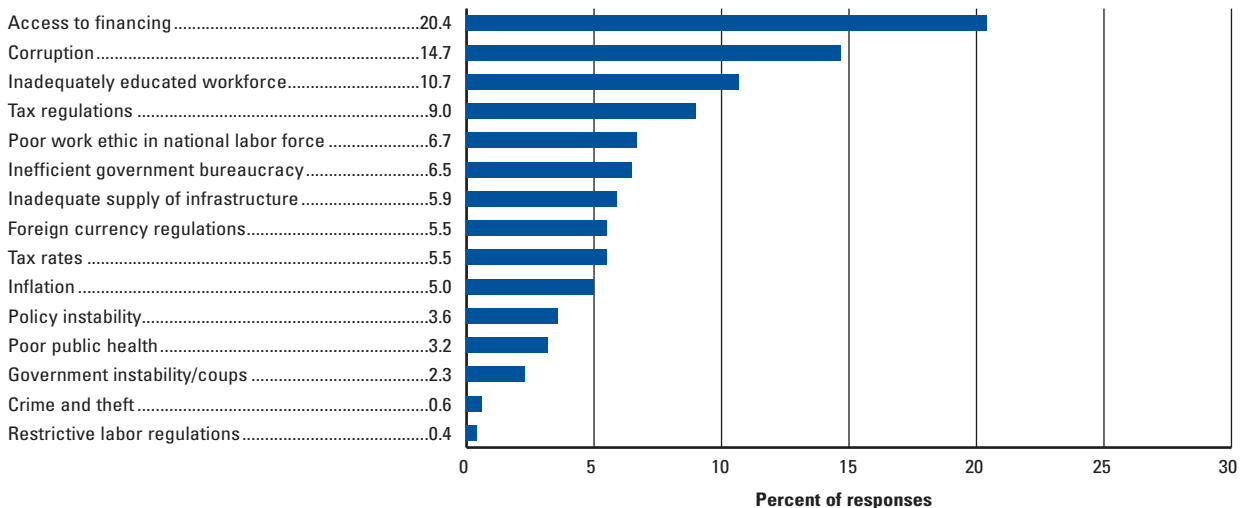
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>131</b>	<b>3.1</b>
GCI 2007–2008 (out of 131) .....	125	3.3
GCI 2006–2007 (out of 122) .....	117	3.2
<b>Basic requirements</b> .....	<b>130</b>	<b>3.3</b>
1st pillar: Institutions .....	107	3.4
2nd pillar: Infrastructure .....	127	2.1
3rd pillar: Macroeconomic stability .....	126	3.5
4th pillar: Health and primary education .....	114	4.1
<b>Efficiency enhancers</b> .....	<b>130</b>	<b>2.9</b>
5th pillar: Higher education and training .....	133	2.4
6th pillar: Goods market efficiency .....	126	3.4
7th pillar: Labor market efficiency .....	112	3.9
8th pillar: Financial market sophistication .....	126	3.1
9th pillar: Technological readiness .....	102	2.7
10th pillar: Market size .....	126	1.9
<b>Innovation and sophistication factors</b> .....	<b>120</b>	<b>2.9</b>
11th pillar: Business sophistication .....	114	3.4
12th pillar: Innovation .....	125	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....99	6.01	Intensity of local competition .....116
1.02	Intellectual property protection .....115	6.02	Extent of market dominance .....134
1.03	Diversion of public funds .....123	6.03	Effectiveness of anti-monopoly policy .....79
1.04	Public trust of politicians .....87	6.04	Extent and effect of taxation .....43
1.05	Judicial independence .....99	6.05	Total tax rate* .....125
1.06	Favoritism in decisions of government officials .....85	6.06	No. of procedures required to start a business* .....91
1.07	Wastefulness of government spending .....103	6.07	Time required to start a business* .....112
1.08	Burden of government regulation .....19	6.08	Agricultural policy costs .....80
1.09	Efficiency of legal framework .....110	6.09	Prevalence of trade barriers .....86
1.10	Transparency of government policymaking .....81	6.10	Trade-weighted tariff rate* .....86
1.11	Business costs of terrorism .....109	6.11	Prevalence of foreign ownership .....129
1.12	Business costs of crime and violence .....75	6.12	Business impact of rules on FDI .....96
1.13	Organized crime .....76	6.13	Burden of customs procedures .....89
1.14	Reliability of police services .....87	6.14	Degree of customer orientation .....96
1.15	Ethical behavior of firms .....108	6.15	Buyer sophistication .....127
1.16	Strength of auditing and reporting standards .....132	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....108	7.01	Cooperation in labor-employer relations .....28
1.18	Protection of minority shareholders' interests .....109	7.02	Flexibility of wage determination .....35
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....65
2.01	Quality of overall infrastructure .....124	7.04	Rigidity of employment* .....90
2.02	Quality of roads .....121	7.05	Hiring and firing practices .....63
2.03	Quality of railroad infrastructure .....98	7.06	Firing costs* .....53
2.04	Quality of port infrastructure .....116	7.07	Pay and productivity .....120
2.05	Quality of air transport infrastructure .....128	7.08	Reliance on professional management .....130
2.06	Available seat kilometers* .....128	7.09	Brain drain .....108
2.07	Quality of electricity supply .....105	7.10	Female participation in labor force* .....92
2.08	Telephone lines* .....117	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....124
3.01	Government surplus/deficit* .....101	8.02	Financing through local equity market .....127
3.02	National savings rate* .....35	8.03	Ease of access to loans .....115
3.03	Inflation* .....92	8.04	Venture capital availability .....116
3.04	Interest rate spread* .....125	8.05	Restriction on capital flows .....117
3.05	Government debt* .....126	8.06	Strength of investor protection* .....107
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....119
4.01	Business impact of malaria .....121	8.08	Regulation of securities exchanges .....132
4.02	Malaria incidence* .....119	8.09	Legal rights index* .....72
4.03	Business impact of tuberculosis .....119	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....119	9.01	Availability of latest technologies .....67
4.05	Business impact of HIV/AIDS .....102	9.02	Firm-level technology absorption .....79
4.06	HIV prevalence* .....95	9.03	Laws relating to ICT .....119
4.07	Infant mortality* .....115	9.04	FDI and technology transfer .....118
4.08	Life expectancy* .....114	9.05	Mobile telephone subscribers* .....91
4.09	Quality of primary education .....123	9.06	Internet users* .....123
4.10	Primary enrollment* .....111	9.07	Personal computers* .....89
4.11	Education expenditure* .....114	9.08	Broadband Internet subscribers* .....109
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....124	10.01	Domestic market size* .....127
5.02	Tertiary enrollment* .....121	10.02	Foreign market size* .....120
5.03	Quality of the educational system .....129	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....101	11.01	Local supplier quantity .....59
5.05	Quality of management schools .....131	11.02	Local supplier quality .....110
5.06	Internet access in schools .....120	11.03	State of cluster development .....89
5.07	Local availability of research and training services .....129	11.04	Nature of competitive advantage .....111
5.08	Extent of staff training .....130	11.05	Value chain breadth .....133
		11.06	Control of international distribution .....107
		11.07	Production process sophistication .....111
		11.08	Extent of marketing .....131
		11.09	Willingness to delegate authority .....133
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....109
		12.02	Quality of scientific research institutions .....131
		12.03	Company spending on R&D .....122
		12.04	University-industry research collaboration .....128
		12.05	Gov't procurement of advanced tech products .....76
		12.06	Availability of scientists and engineers .....121
		12.07	Utility patents* .....88

\* Hard data

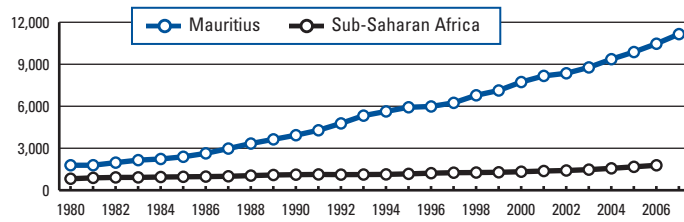
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Mauritius

## Key indicators

Total population (millions), 2007 .....	1.3
GDP (US\$ billions), 2007 .....	7.0
GDP per capita (US\$), 2007 .....	5,520.1
GDP (PPP) as share (%) of world total, 2007 .....	0.02

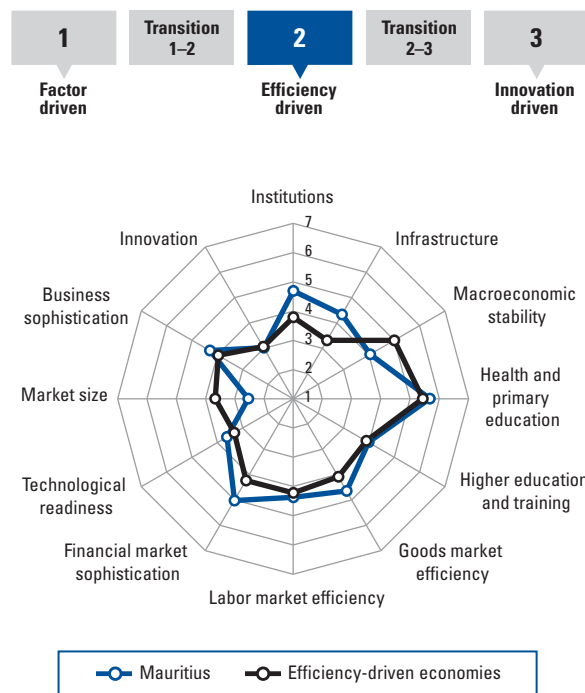
GDP (PPP US\$) per capita, 1980–2007



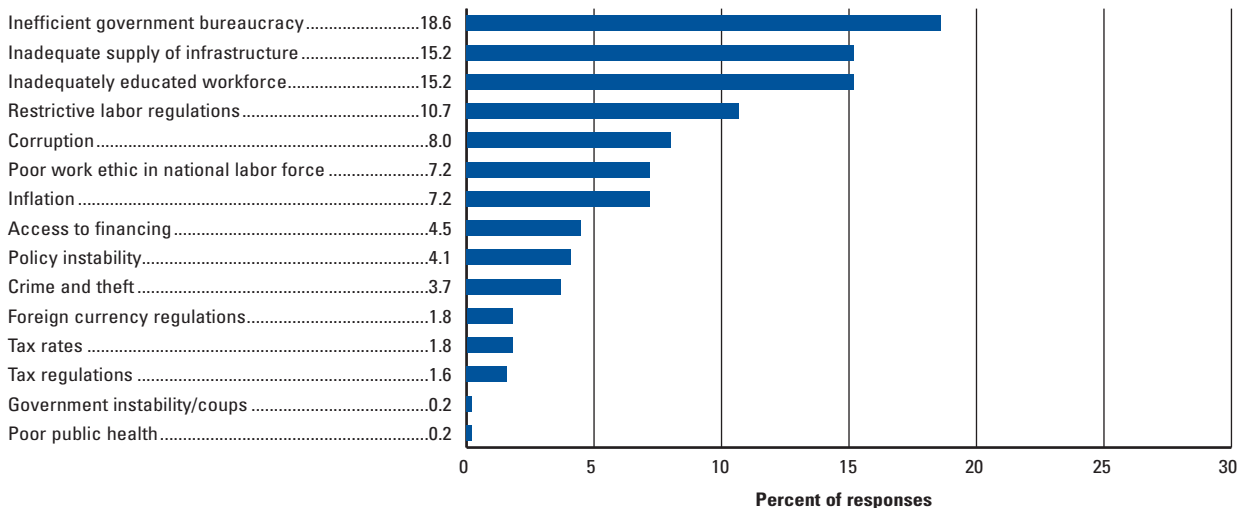
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>57</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	60	4.2
GCI 2006–2007 (out of 122) .....	55	4.2
<b>Basic requirements</b> .....	<b>50</b>	<b>4.7</b>
1st pillar: Institutions .....	39	4.7
2nd pillar: Infrastructure .....	43	4.3
3rd pillar: Macroeconomic stability .....	117	4.0
4th pillar: Health and primary education .....	57	5.7
<b>Efficiency enhancers</b> .....	<b>66</b>	<b>4.0</b>
5th pillar: Higher education and training .....	67	4.0
6th pillar: Goods market efficiency .....	40	4.6
7th pillar: Labor market efficiency .....	65	4.4
8th pillar: Financial market sophistication .....	32	5.0
9th pillar: Technological readiness .....	55	3.6
10th pillar: Market size .....	110	2.5
<b>Innovation and sophistication factors</b> .....	<b>69</b>	<b>3.6</b>
11th pillar: Business sophistication .....	55	4.3
12th pillar: Innovation .....	80	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	22
1.02 Intellectual property protection	46
1.03 Diversion of public funds	41
1.04 Public trust of politicians	66
1.05 Judicial independence	38
1.06 Favoritism in decisions of government officials	54
1.07 Wastefulness of government spending	51
1.08 Burden of government regulation	31
1.09 Efficiency of legal framework	34
1.10 Transparency of government policymaking	30
1.11 Business costs of terrorism	5
1.12 Business costs of crime and violence	55
1.13 Organized crime	16
1.14 Reliability of police services	66
1.15 Ethical behavior of firms	43
1.16 Strength of auditing and reporting standards	31
1.17 Efficacy of corporate boards	49
1.18 Protection of minority shareholders' interests	27
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	45
2.02 Quality of roads	43
2.03 Quality of railroad infrastructure	n/a
2.04 Quality of port infrastructure	47
2.05 Quality of air transport infrastructure	42
2.06 Available seat kilometers*	59
2.07 Quality of electricity supply	47
2.08 Telephone lines*	43
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	115
3.02 National savings rate*	25
3.03 Inflation*	120
3.04 Interest rate spread*	113
3.05 Government debt*	100
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	48
4.02 Malaria incidence*	70
4.03 Business impact of tuberculosis	30
4.04 Tuberculosis incidence*	41
4.05 Business impact of HIV/AIDS	65
4.06 HIV prevalence*	114
4.07 Infant mortality*	56
4.08 Life expectancy*	55
4.09 Quality of primary education	60
4.10 Primary enrollment*	51
4.11 Education expenditure*	79
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	63
5.02 Tertiary enrollment*	90
5.03 Quality of the educational system	47
5.04 Quality of math and science education	58
5.05 Quality of management schools	90
5.06 Internet access in schools	63
5.07 Local availability of research and training services	90
5.08 Extent of staff training	36

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	80
6.02 Extent of market dominance	119
6.03 Effectiveness of anti-monopoly policy	74
6.04 Extent and effect of taxation	8
6.05 Total tax rate*	8
6.06 No. of procedures required to start a business*	19
6.07 Time required to start a business*	9
6.08 Agricultural policy costs	24
6.09 Prevalence of trade barriers	30
6.10 Trade-weighted tariff rate*	43
6.11 Prevalence of foreign ownership	43
6.12 Business impact of rules on FDI	8
6.13 Burden of customs procedures	33
6.14 Degree of customer orientation	48
6.15 Buyer sophistication	55
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	43
7.02 Flexibility of wage determination	118
7.03 Non-wage labor costs*	20
7.04 Rigidity of employment*	29
7.05 Hiring and firing practices	110
7.06 Firing costs*	61
7.07 Pay and productivity	65
7.08 Reliance on professional management	66
7.09 Brain drain	79
7.10 Female participation in labor force*	108
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	44
8.02 Financing through local equity market	45
8.03 Ease of access to loans	34
8.04 Venture capital availability	47
8.05 Restriction on capital flows	4
8.06 Strength of investor protection*	11
8.07 Soundness of banks	28
8.08 Regulation of securities exchanges	29
8.09 Legal rights index*	52
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	47
9.02 Firm-level technology absorption	64
9.03 Laws relating to ICT	48
9.04 FDI and technology transfer	42
9.05 Mobile telephone subscribers*	73
9.06 Internet users*	50
9.07 Personal computers*	46
9.08 Broadband Internet subscribers*	62
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	113
10.02 Foreign market size*	102
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	64
11.02 Local supplier quality	68
11.03 State of cluster development	55
11.04 Nature of competitive advantage	66
11.05 Value chain breadth	25
11.06 Control of international distribution	42
11.07 Production process sophistication	58
11.08 Extent of marketing	72
11.09 Willingness to delegate authority	59
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	99
12.02 Quality of scientific research institutions	61
12.03 Company spending on R&D	70
12.04 University-industry research collaboration	69
12.05 Gov't procurement of advanced tech products	74
12.06 Availability of scientists and engineers	114
12.07 Utility patents*	88

\* Hard data

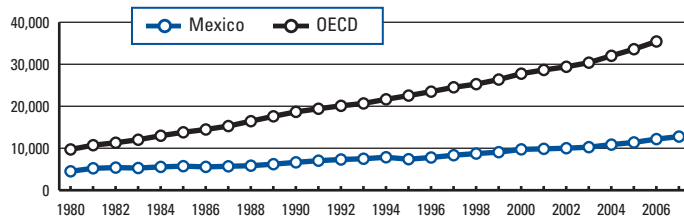
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Mexico

## Key indicators

Total population (millions), 2007 .....	109.6
GDP (US\$ billions), 2007 .....	893.4
GDP per capita (US\$), 2007 .....	8,478.7
GDP (PPP) as share (%) of world total, 2007 .....	2.07

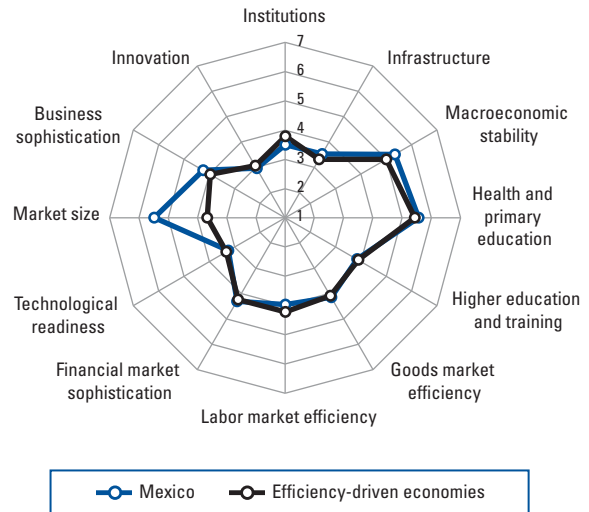
GDP (PPP US\$) per capita, 1980–2007



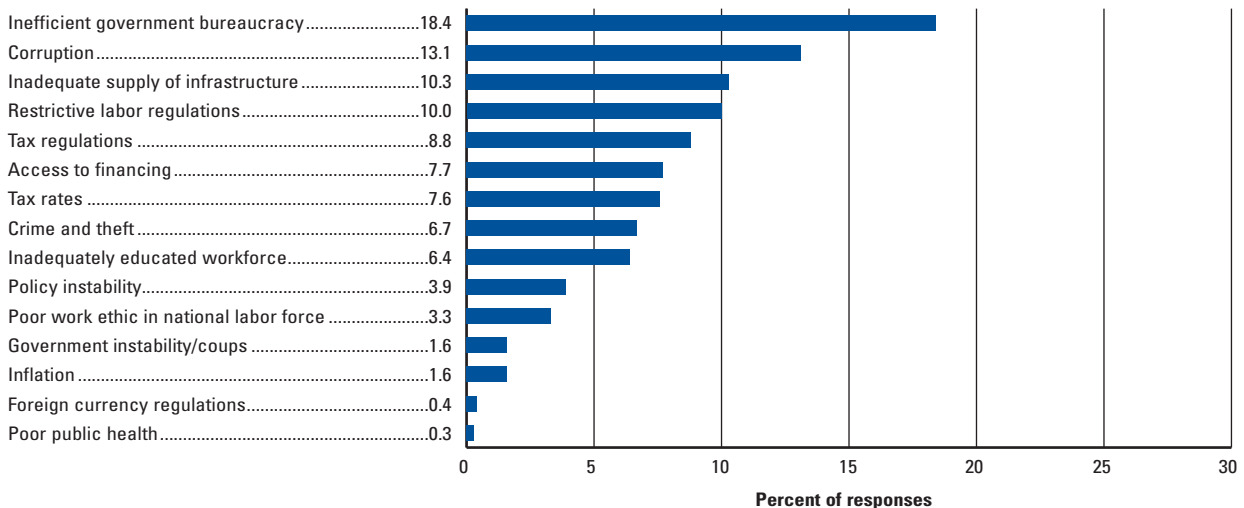
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>60</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	52	4.3
GCI 2006–2007 (out of 122) .....	52	4.2
<b>Basic requirements</b> .....	<b>60</b>	<b>4.5</b>
1st pillar: Institutions .....	97	3.5
2nd pillar: Infrastructure .....	68	3.5
3rd pillar: Macroeconomic stability .....	48	5.3
4th pillar: Health and primary education .....	65	5.6
<b>Efficiency enhancers</b> .....	<b>55</b>	<b>4.2</b>
5th pillar: Higher education and training .....	74	3.8
6th pillar: Goods market efficiency .....	73	4.1
7th pillar: Labor market efficiency .....	110	4.0
8th pillar: Financial market sophistication .....	66	4.3
9th pillar: Technological readiness .....	71	3.2
10th pillar: Market size .....	11	5.5
<b>Innovation and sophistication factors</b> .....	<b>70</b>	<b>3.6</b>
11th pillar: Business sophistication .....	58	4.2
12th pillar: Innovation .....	90	2.9

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....89	6.01	Intensity of local competition .....78
1.02	Intellectual property protection .....82	6.02	Extent of market dominance .....103
1.03	Diversion of public funds .....95	6.03	Effectiveness of anti-monopoly policy .....92
1.04	Public trust of politicians .....98	6.04	Extent and effect of taxation .....89
1.05	Judicial independence .....86	6.05	Total tax rate* .....92
1.06	Favoritism in decisions of government officials .....90	6.06	No. of procedures required to start a business* .....44
1.07	Wastefulness of government spending .....80	6.07	Time required to start a business* .....61
1.08	Burden of government regulation .....121	6.08	Agricultural policy costs .....105
1.09	Efficiency of legal framework .....111	6.09	Prevalence of trade barriers .....55
1.10	Transparency of government policymaking .....94	6.10	Trade-weighted tariff rate* .....105
1.11	Business costs of terrorism .....71	6.11	Prevalence of foreign ownership .....25
1.12	Business costs of crime and violence .....125	6.12	Business impact of rules on FDI .....62
1.13	Organized crime .....127	6.13	Burden of customs procedures .....74
1.14	Reliability of police services .....124	6.14	Degree of customer orientation .....55
1.15	Ethical behavior of firms .....82	6.15	Buyer sophistication .....52
1.16	Strength of auditing and reporting standards .....71	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....82	7.01	Cooperation in labor-employer relations .....68
1.18	Protection of minority shareholders' interests .....69	7.02	Flexibility of wage determination .....72
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....89
2.01	Quality of overall infrastructure .....76	7.04	Rigidity of employment* .....99
2.02	Quality of roads .....66	7.05	Hiring and firing practices .....91
2.03	Quality of railroad infrastructure .....72	7.06	Firing costs* .....81
2.04	Quality of port infrastructure .....94	7.07	Pay and productivity .....70
2.05	Quality of air transport infrastructure .....56	7.08	Reliance on professional management .....76
2.06	Available seat kilometers* .....18	7.09	Brain drain .....64
2.07	Quality of electricity supply .....87	7.10	Female participation in labor force* .....115
2.08	Telephone lines* .....68	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....56
3.01	Government surplus/deficit* .....59	8.02	Financing through local equity market .....77
3.02	National savings rate* .....74	8.03	Ease of access to loans .....95
3.03	Inflation* .....57	8.04	Venture capital availability .....99
3.04	Interest rate spread* .....54	8.05	Restriction on capital flows .....45
3.05	Government debt* .....34	8.06	Strength of investor protection* .....26
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....55
4.01	Business impact of malaria .....37	8.08	Regulation of securities exchanges .....43
4.02	Malaria incidence* .....75	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....37	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....39	9.01	Availability of latest technologies .....92
4.05	Business impact of HIV/AIDS .....68	9.02	Firm-level technology absorption .....92
4.06	HIV prevalence* .....68	9.03	Laws relating to ICT .....69
4.07	Infant mortality* .....77	9.04	FDI and technology transfer .....60
4.08	Life expectancy* .....50	9.05	Mobile telephone subscribers* .....80
4.09	Quality of primary education .....116	9.06	Internet users* .....63
4.10	Primary enrollment* .....23	9.07	Personal computers* .....55
4.11	Education expenditure* .....31	9.08	Broadband Internet subscribers* .....56
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....67	10.01	Domestic market size* .....12
5.02	Tertiary enrollment* .....74	10.02	Foreign market size* .....16
5.03	Quality of the educational system .....109	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....127	11.01	Local supplier quantity .....55
5.05	Quality of management schools .....53	11.02	Local supplier quality .....46
5.06	Internet access in schools .....76	11.03	State of cluster development .....58
5.07	Local availability of research and training services .....55	11.04	Nature of competitive advantage .....68
5.08	Extent of staff training .....87	11.05	Value chain breadth .....59
		11.06	Control of international distribution .....69
		11.07	Production process sophistication .....67
		11.08	Extent of marketing .....53
		11.09	Willingness to delegate authority .....54
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....67
		12.02	Quality of scientific research institutions .....79
		12.03	Company spending on R&D .....71
		12.04	University-industry research collaboration .....84
		12.05	Gov't procurement of advanced tech products .....104
		12.06	Availability of scientists and engineers .....105
		12.07	Utility patents* .....56

\* Hard data

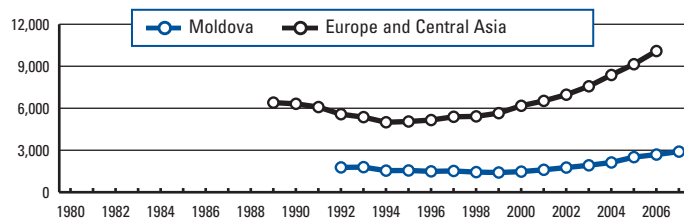
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Moldova

## Key indicators

Total population (millions), 2007 .....	4.2
GDP (US\$ billions), 2007 .....	4.2
GDP per capita (US\$), 2007 .....	1,248.5
GDP (PPP) as share (%) of world total, 2007 .....	0.02

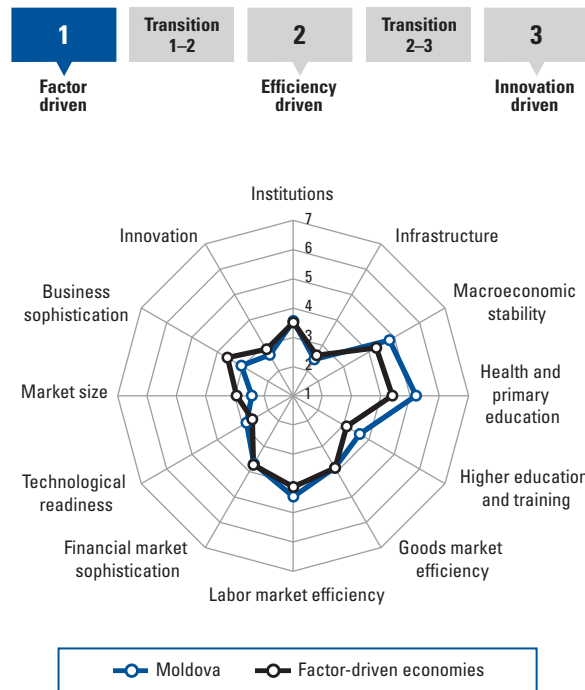
GDP (PPP US\$) per capita, 1980–2007



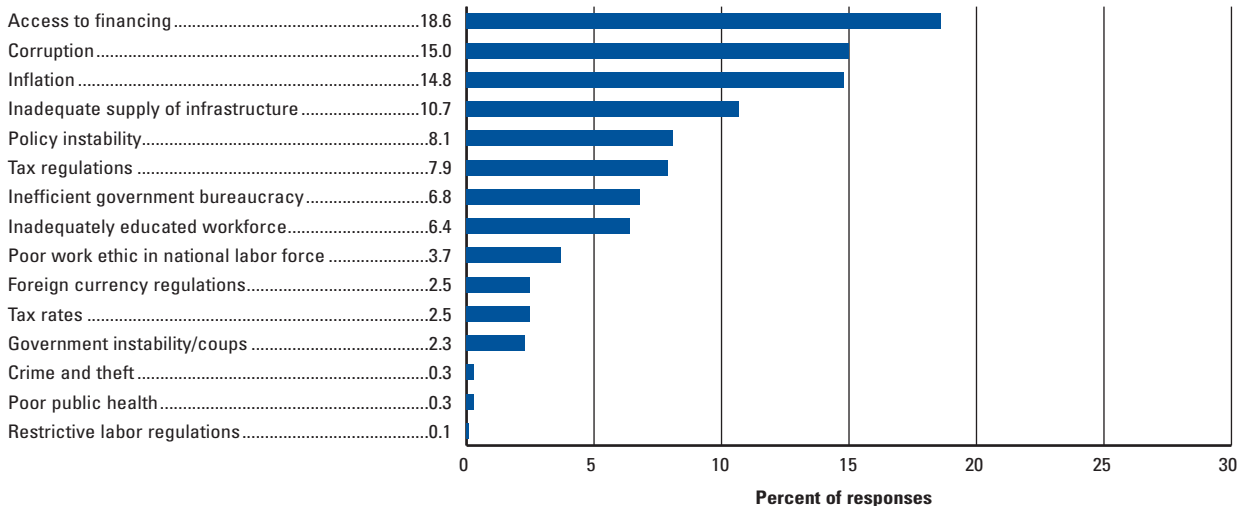
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>95</b>	<b>3.8</b>
GCI 2007–2008 (out of 131) .....	97	3.6
GCI 2006–2007 (out of 122) .....	86	3.8
<b>Basic requirements</b> .....	<b>95</b>	<b>4.0</b>
1st pillar: Institutions .....	92	3.6
2nd pillar: Infrastructure .....	113	2.4
3rd pillar: Macroeconomic stability .....	80	4.8
4th pillar: Health and primary education .....	89	5.2
<b>Efficiency enhancers</b> .....	<b>98</b>	<b>3.5</b>
5th pillar: Higher education and training .....	88	3.6
6th pillar: Goods market efficiency .....	105	3.8
7th pillar: Labor market efficiency .....	55	4.5
8th pillar: Financial market sophistication .....	104	3.7
9th pillar: Technological readiness .....	95	2.9
10th pillar: Market size .....	114	2.4
<b>Innovation and sophistication factors</b> .....	<b>128</b>	<b>2.8</b>
11th pillar: Business sophistication .....	131	3.1
12th pillar: Innovation .....	116	2.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	98	6.01 Intensity of local competition	65
1.02 Intellectual property protection	70	6.02 Extent of market dominance	125
1.03 Diversion of public funds	82	6.03 Effectiveness of anti-monopoly policy	123
1.04 Public trust of politicians	86	6.04 Extent and effect of taxation	100
1.05 Judicial independence	111	6.05 Total tax rate*	65
1.06 Favoritism in decisions of government officials	100	6.06 No. of procedures required to start a business*	58
1.07 Wastefulness of government spending	93	6.07 Time required to start a business*	48
1.08 Burden of government regulation	99	6.08 Agricultural policy costs	116
1.09 Efficiency of legal framework	108	6.09 Prevalence of trade barriers	35
1.10 Transparency of government policymaking	87	6.10 Trade-weighted tariff rate*	45
1.11 Business costs of terrorism	31	6.11 Prevalence of foreign ownership	118
1.12 Business costs of crime and violence	46	6.12 Business impact of rules on FDI	94
1.13 Organized crime	65	6.13 Burden of customs procedures	86
1.14 Reliability of police services	113	6.14 Degree of customer orientation	106
1.15 Ethical behavior of firms	121	6.15 Buyer sophistication	116
1.16 Strength of auditing and reporting standards	92		
1.17 Efficacy of corporate boards	68	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	103	7.01 Cooperation in labor-employer relations	29
		7.02 Flexibility of wage determination	53
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs*	107
2.01 Quality of overall infrastructure	123	7.04 Rigidity of employment*	70
2.02 Quality of roads	133	7.05 Hiring and firing practices	33
2.03 Quality of railroad infrastructure	62	7.06 Firing costs*	67
2.04 Quality of port infrastructure	131	7.07 Pay and productivity	15
2.05 Quality of air transport infrastructure	93	7.08 Reliance on professional management	80
2.06 Available seat kilometers*	121	7.09 Brain drain	122
2.07 Quality of electricity supply	79	7.10 Female participation in labor force*	40
2.08 Telephone lines*	56		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication	103
3.01 Government surplus/deficit*	65	8.02 Financing through local equity market	110
3.02 National savings rate*	66	8.03 Ease of access to loans	102
3.03 Inflation*	126	8.04 Venture capital availability	120
3.04 Interest rate spread*	42	8.05 Restriction on capital flows	108
3.05 Government debt*	47	8.06 Strength of investor protection*	81
		8.07 Soundness of banks	95
		8.08 Regulation of securities exchanges	121
		8.09 Legal rights index*	29
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria	57	9.01 Availability of latest technologies	118
4.02 Malaria incidence*	1	9.02 Firm-level technology absorption	98
4.03 Business impact of tuberculosis	98	9.03 Laws relating to ICT	91
4.04 Tuberculosis incidence*	95	9.04 FDI and technology transfer	76
4.05 Business impact of HIV/AIDS	57	9.05 Mobile telephone subscribers*	94
4.06 HIV prevalence*	74	9.06 Internet users*	69
4.07 Infant mortality*	60	9.07 Personal computers*	60
4.08 Life expectancy*	89	9.08 Broadband Internet subscribers*	81
4.09 Quality of primary education	89		
4.10 Primary enrollment*	103	<b>10th pillar: Market size</b>	
4.11 Education expenditure*	87	10.01 Domestic market size*	114
		10.02 Foreign market size*	111
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment*	59	11.01 Local supplier quantity	122
5.02 Tertiary enrollment*	53	11.02 Local supplier quality	126
5.03 Quality of the educational system	90	11.03 State of cluster development	134
5.04 Quality of math and science education	63	11.04 Nature of competitive advantage	102
5.05 Quality of management schools	126	11.05 Value chain breadth	109
5.06 Internet access in schools	86	11.06 Control of international distribution	132
5.07 Local availability of research and training services	122	11.07 Production process sophistication	90
5.08 Extent of staff training	111	11.08 Extent of marketing	127
		11.09 Willingness to delegate authority	93
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	59
		12.02 Quality of scientific research institutions	119
		12.03 Company spending on R&D	108
		12.04 University-industry research collaboration	131
		12.05 Gov't procurement of advanced tech products	130
		12.06 Availability of scientists and engineers	109
		12.07 Utility patents*	88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

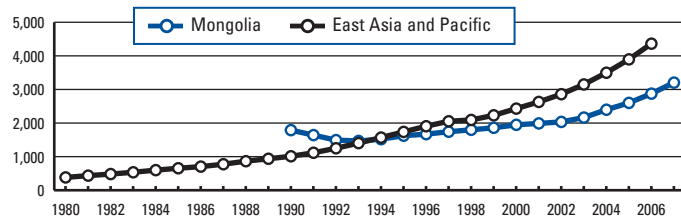


# Mongolia

## Key indicators

Total population (millions), 2007 .....	2.7
GDP (US\$ billions), 2007 .....	3.9
GDP per capita (US\$), 2007 .....	1,485.7
GDP (PPP) as share (%) of world total, 2007 .....	0.01

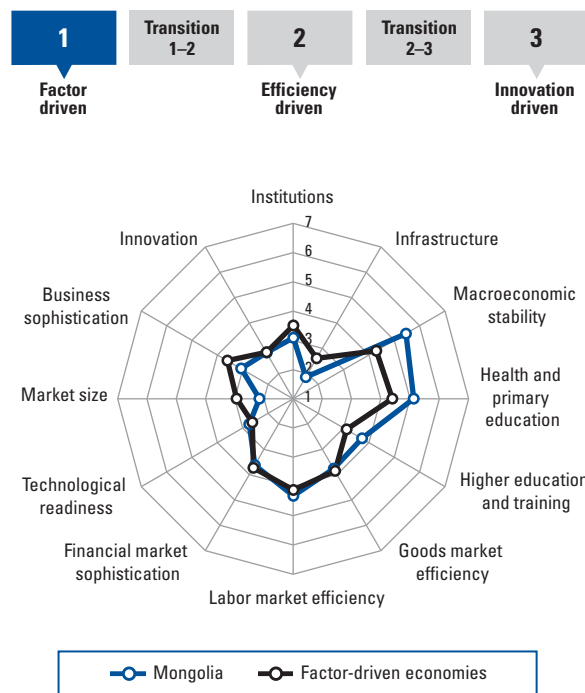
GDP (PPP US\$) per capita, 1980–2007



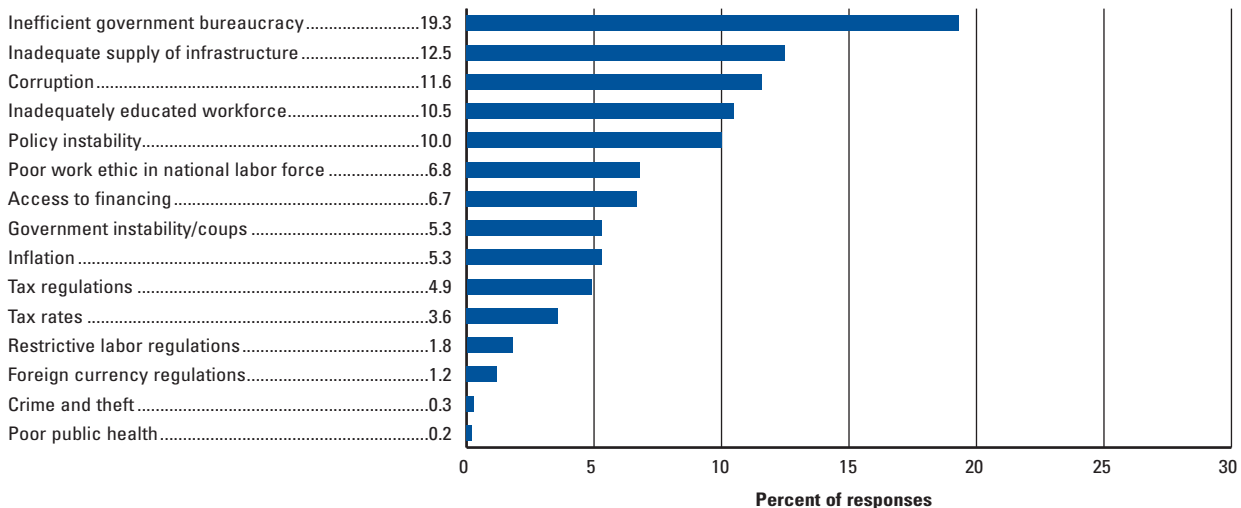
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>100</b>	<b>3.7</b>
GCI 2007–2008 (out of 131) .....	101	3.6
GCI 2006–2007 (out of 122) .....	89	3.7
<b>Basic requirements</b> .....	<b>102</b>	<b>3.9</b>
1st pillar: Institutions .....	121	3.1
2nd pillar: Infrastructure .....	133	1.8
3rd pillar: Macroeconomic stability .....	37	5.4
4th pillar: Health and primary education .....	94	5.1
<b>Efficiency enhancers</b> .....	<b>105</b>	<b>3.4</b>
5th pillar: Higher education and training .....	85	3.7
6th pillar: Goods market efficiency .....	109	3.8
7th pillar: Labor market efficiency .....	71	4.3
8th pillar: Financial market sophistication .....	110	3.6
9th pillar: Technological readiness .....	101	2.7
10th pillar: Market size .....	124	2.2
<b>Innovation and sophistication factors</b> .....	<b>119</b>	<b>2.9</b>
11th pillar: Business sophistication .....	130	3.1
12th pillar: Innovation .....	102	2.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	101	6.01 Intensity of local competition .....	95
1.02 Intellectual property protection .....	122	6.02 Extent of market dominance .....	130
1.03 Diversion of public funds .....	120	6.03 Effectiveness of anti-monopoly policy .....	121
1.04 Public trust of politicians .....	120	6.04 Extent and effect of taxation .....	64
1.05 Judicial independence .....	120	6.05 Total tax rate* .....	50
1.06 Favoritism in decisions of government officials .....	121	6.06 No. of procedures required to start a business* .....	44
1.07 Wastefulness of government spending .....	122	6.07 Time required to start a business* .....	42
1.08 Burden of government regulation .....	112	6.08 Agricultural policy costs .....	98
1.09 Efficiency of legal framework .....	124	6.09 Prevalence of trade barriers .....	122
1.10 Transparency of government policymaking .....	129	6.10 Trade-weighted tariff rate* .....	62
1.11 Business costs of terrorism .....	45	6.11 Prevalence of foreign ownership .....	74
1.12 Business costs of crime and violence .....	78	6.12 Business impact of rules on FDI .....	121
1.13 Organized crime .....	69	6.13 Burden of customs procedures .....	117
1.14 Reliability of police services .....	116	6.14 Degree of customer orientation .....	127
1.15 Ethical behavior of firms .....	126	6.15 Buyer sophistication .....	92
1.16 Strength of auditing and reporting standards .....	115		
1.17 Efficacy of corporate boards .....	114	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	133	7.01 Cooperation in labor-employer relations .....	96
		7.02 Flexibility of wage determination .....	21
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	85
2.01 Quality of overall infrastructure .....	133	7.04 Rigidity of employment* .....	57
2.02 Quality of roads .....	134	7.05 Hiring and firing practices .....	18
2.03 Quality of railroad infrastructure .....	74	7.06 Firing costs* .....	15
2.04 Quality of port infrastructure .....	125	7.07 Pay and productivity .....	78
2.05 Quality of air transport infrastructure .....	130	7.08 Reliance on professional management .....	132
2.06 Available seat kilometers* .....	118	7.09 Brain drain .....	94
2.07 Quality of electricity supply .....	113	7.10 Female participation in labor force* .....	88
2.08 Telephone lines* .....	101		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	119
3.01 Government surplus/deficit* .....	33	8.02 Financing through local equity market .....	89
3.02 National savings rate* .....	11	8.03 Ease of access to loans .....	130
3.03 Inflation* .....	110	8.04 Venture capital availability .....	128
3.04 Interest rate spread* .....	47	8.05 Restriction on capital flows .....	63
3.05 Government debt* .....	83	8.06 Strength of investor protection* .....	19
		8.07 Soundness of banks .....	120
		8.08 Regulation of securities exchanges .....	123
		8.09 Legal rights index* .....	52
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria .....	99	<b>9th pillar: Technological readiness</b>	
4.02 Malaria incidence* .....	1	9.01 Availability of latest technologies .....	90
4.03 Business impact of tuberculosis .....	121	9.02 Firm-level technology absorption .....	86
4.04 Tuberculosis incidence* .....	103	9.03 Laws relating to ICT .....	117
4.05 Business impact of HIV/AIDS .....	110	9.04 FDI and technology transfer .....	121
4.06 HIV prevalence* .....	23	9.05 Mobile telephone subscribers* .....	99
4.07 Infant mortality* .....	97	9.06 Internet users* .....	81
4.08 Life expectancy* .....	96	9.07 Personal computers* .....	57
4.09 Quality of primary education .....	111	9.08 Broadband Internet subscribers* .....	97
4.10 Primary enrollment* .....	75		
4.11 Education expenditure* .....	41	<b>10th pillar: Market size</b>	
		10.01 Domestic market size* .....	124
<b>5th pillar: Higher education and training</b>		10.02 Foreign market size* .....	109
5.01 Secondary enrollment* .....	58		
5.02 Tertiary enrollment* .....	39	<b>11th pillar: Business sophistication</b>	
5.03 Quality of the educational system .....	124	11.01 Local supplier quantity .....	129
5.04 Quality of math and science education .....	59	11.02 Local supplier quality .....	129
5.05 Quality of management schools .....	128	11.03 State of cluster development .....	111
5.06 Internet access in schools .....	105	11.04 Nature of competitive advantage .....	114
5.07 Local availability of research and training services .....	108	11.05 Value chain breadth .....	134
5.08 Extent of staff training .....	113	11.06 Control of international distribution .....	131
		11.07 Production process sophistication .....	85
		11.08 Extent of marketing .....	111
		11.09 Willingness to delegate authority .....	126
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	95
		12.02 Quality of scientific research institutions .....	110
		12.03 Company spending on R&D .....	105
		12.04 University-industry research collaboration .....	96
		12.05 Gov't procurement of advanced tech products .....	70
		12.06 Availability of scientists and engineers .....	79
		12.07 Utility patents* .....	88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Montenegro

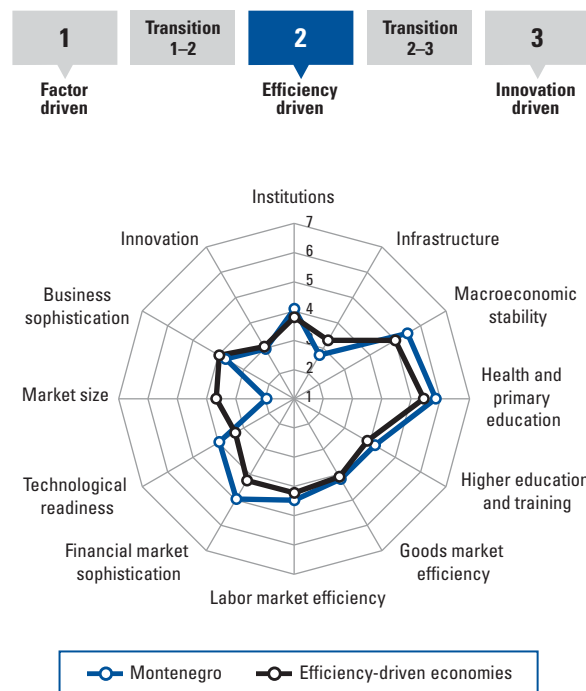
## Key indicators

Total population (millions), 2007 .....	0.7
GDP (US\$ billions), 2007 .....	3.0
GDP per capita (US\$), 2007 .....	4,085.3
GDP (PPP) as share (%) of world total, 2007 .....	n/a

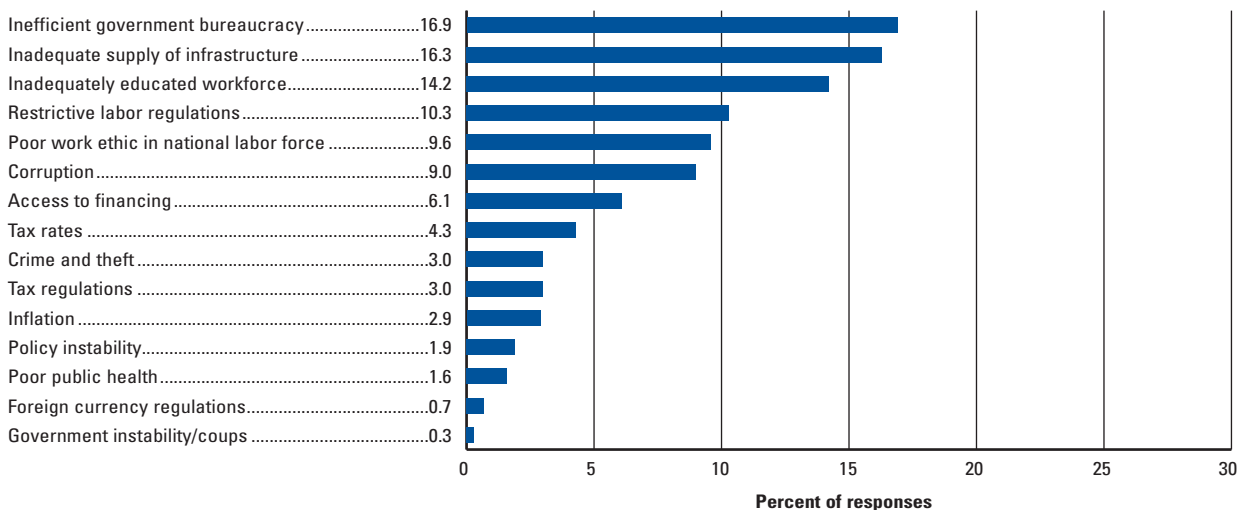
## Global Competitiveness Index

	Rank (out of 134)	Score (1-7)
<b>GCI 2008-2009</b> .....	<b>65</b>	<b>4.1</b>
GCI 2007-2008 (out of 131) .....	82	3.9
GCI 2006-2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>59</b>	<b>4.5</b>
1st pillar: Institutions .....	59	4.1
2nd pillar: Infrastructure .....	100	2.7
3rd pillar: Macroeconomic stability .....	35	5.5
4th pillar: Health and primary education .....	42	5.8
<b>Efficiency enhancers</b> .....	<b>72</b>	<b>3.9</b>
5th pillar: Higher education and training .....	55	4.2
6th pillar: Goods market efficiency .....	69	4.2
7th pillar: Labor market efficiency .....	53	4.5
8th pillar: Financial market sophistication .....	35	5.0
9th pillar: Technological readiness .....	43	4.0
10th pillar: Market size .....	125	1.9
<b>Innovation and sophistication factors</b> .....	<b>88</b>	<b>3.3</b>
11th pillar: Business sophistication .....	90	3.7
12th pillar: Innovation .....	88	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	64
1.02 Intellectual property protection	99
1.03 Diversion of public funds	54
1.04 Public trust of politicians	56
1.05 Judicial independence	85
1.06 Favoritism in decisions of government officials	48
1.07 Wastefulness of government spending	50
1.08 Burden of government regulation	83
1.09 Efficiency of legal framework	68
1.10 Transparency of government policymaking	59
1.11 Business costs of terrorism	14
1.12 Business costs of crime and violence	40
1.13 Organized crime	60
1.14 Reliability of police services	58
1.15 Ethical behavior of firms	76
1.16 Strength of auditing and reporting standards	73
1.17 Efficacy of corporate boards	70
1.18 Protection of minority shareholders' interests	88
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	102
2.02 Quality of roads	119
2.03 Quality of railroad infrastructure	78
2.04 Quality of port infrastructure	75
2.05 Quality of air transport infrastructure	73
2.06 Available seat kilometers*	123
2.07 Quality of electricity supply	110
2.08 Telephone lines*	48
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	28
3.02 National savings rate*	105
3.03 Inflation*	52
3.04 Interest rate spread*	53
3.05 Government debt*	56
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	18
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	14
4.04 Tuberculosis incidence*	52
4.05 Business impact of HIV/AIDS	15
4.06 HIV prevalence*	1
4.07 Infant mortality*	45
4.08 Life expectancy*	49
4.09 Quality of primary education	40
4.10 Primary enrollment*	30
4.11 Education expenditure*	93
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	39
5.02 Tertiary enrollment*	40
5.03 Quality of the educational system	57
5.04 Quality of math and science education	34
5.05 Quality of management schools	67
5.06 Internet access in schools	74
5.07 Local availability of research and training services	78
5.08 Extent of staff training	84

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	91
6.02 Extent of market dominance	82
6.03 Effectiveness of anti-monopoly policy	85
6.04 Extent and effect of taxation	30
6.05 Total tax rate*	22
6.06 No. of procedures required to start a business*	120
6.07 Time required to start a business*	51
6.08 Agricultural policy costs	60
6.09 Prevalence of trade barriers	56
6.10 Trade-weighted tariff rate*	39
6.11 Prevalence of foreign ownership	65
6.12 Business impact of rules on FDI	37
6.13 Burden of customs procedures	81
6.14 Degree of customer orientation	94
6.15 Buyer sophistication	63
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	105
7.02 Flexibility of wage determination	78
7.03 Non-wage labor costs*	75
7.04 Rigidity of employment*	70
7.05 Hiring and firing practices	88
7.06 Firing costs*	70
7.07 Pay and productivity	58
7.08 Reliance on professional management	81
7.09 Brain drain	65
7.10 Female participation in labor force*	48
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	67
8.02 Financing through local equity market	30
8.03 Ease of access to loans	29
8.04 Venture capital availability	44
8.05 Restriction on capital flows	26
8.06 Strength of investor protection*	19
8.07 Soundness of banks	54
8.08 Regulation of securities exchanges	49
8.09 Legal rights index*	16
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	79
9.02 Firm-level technology absorption	91
9.03 Laws relating to ICT	66
9.04 FDI and technology transfer	87
9.05 Mobile telephone subscribers*	43
9.06 Internet users*	59
9.07 Personal computers*	28
9.08 Broadband Internet subscribers*	n/a
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	125
10.02 Foreign market size*	130
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	94
11.02 Local supplier quality	85
11.03 State of cluster development	128
11.04 Nature of competitive advantage	77
11.05 Value chain breadth	99
11.06 Control of international distribution	88
11.07 Production process sophistication	83
11.08 Extent of marketing	80
11.09 Willingness to delegate authority	52
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	120
12.02 Quality of scientific research institutions	92
12.03 Company spending on R&D	76
12.04 University-industry research collaboration	68
12.05 Gov't procurement of advanced tech products	67
12.06 Availability of scientists and engineers	71
12.07 Utility patents*	88

\* Hard data

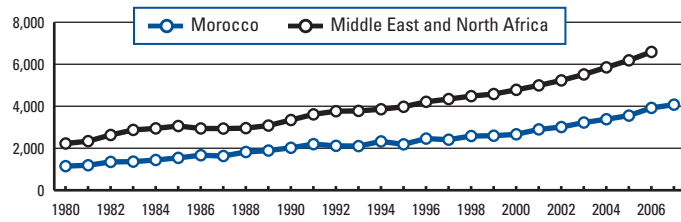
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Morocco

## Key indicators

Total population (millions), 2007 .....	32.4
GDP (US\$ billions), 2007 .....	73.4
GDP per capita (US\$), 2007 .....	2,389.4
GDP (PPP) as share (%) of world total, 2007 .....	0.19

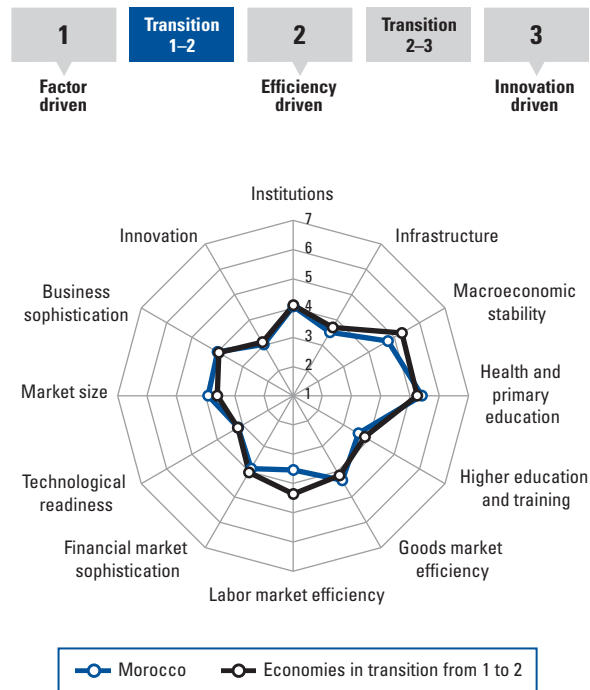
GDP (PPP US\$) per capita, 1980–2007



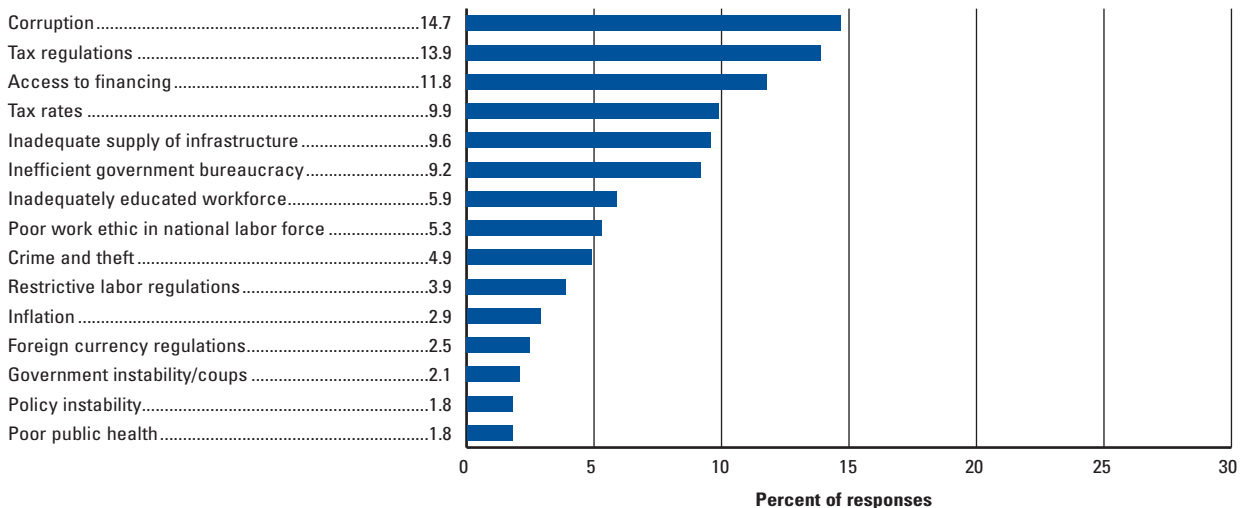
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>73</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	64	4.1
GCI 2006–2007 (out of 122) .....	65	4.1
<b>Basic requirements</b> .....	<b>67</b>	<b>4.4</b>
1st pillar: Institutions .....	61	4.0
2nd pillar: Infrastructure .....	70	3.5
3rd pillar: Macroeconomic stability .....	84	4.7
4th pillar: Health and primary education .....	71	5.4
<b>Efficiency enhancers</b> .....	<b>85</b>	<b>3.7</b>
5th pillar: Higher education and training .....	90	3.6
6th pillar: Goods market efficiency .....	58	4.3
7th pillar: Labor market efficiency .....	128	3.5
8th pillar: Financial market sophistication .....	93	3.9
9th pillar: Technological readiness .....	78	3.2
10th pillar: Market size .....	57	3.9
<b>Innovation and sophistication factors</b> .....	<b>76</b>	<b>3.5</b>
11th pillar: Business sophistication .....	70	4.0
12th pillar: Innovation .....	78	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	66	6.01 Intensity of local competition .....	89
1.02 Intellectual property protection .....	78	6.02 Extent of market dominance .....	59
1.03 Diversion of public funds .....	57	6.03 Effectiveness of anti-monopoly policy .....	46
1.04 Public trust of politicians .....	55	6.04 Extent and effect of taxation .....	66
1.05 Judicial independence .....	65	6.05 Total tax rate* .....	101
1.06 Favoritism in decisions of government officials .....	42	6.06 No. of procedures required to start a business* .....	19
1.07 Wastefulness of government spending .....	44	6.07 Time required to start a business* .....	22
1.08 Burden of government regulation .....	46	6.08 Agricultural policy costs .....	108
1.09 Efficiency of legal framework .....	62	6.09 Prevalence of trade barriers .....	100
1.10 Transparency of government policymaking .....	47	6.10 Trade-weighted tariff rate* .....	114
1.11 Business costs of terrorism .....	113	6.11 Prevalence of foreign ownership .....	85
1.12 Business costs of crime and violence .....	66	6.12 Business impact of rules on FDI .....	74
1.13 Organized crime .....	82	6.13 Burden of customs procedures .....	51
1.14 Reliability of police services .....	47	6.14 Degree of customer orientation .....	42
1.15 Ethical behavior of firms .....	66	6.15 Buyer sophistication .....	46
1.16 Strength of auditing and reporting standards .....	89		
1.17 Efficacy of corporate boards .....	102	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	67	7.01 Cooperation in labor-employer relations .....	93
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination .....	68
2.01 Quality of overall infrastructure .....	67	7.03 Non-wage labor costs* .....	80
2.02 Quality of roads .....	62	7.04 Rigidity of employment* .....	121
2.03 Quality of railroad infrastructure .....	47	7.05 Hiring and firing practices .....	60
2.04 Quality of port infrastructure .....	59	7.06 Firing costs* .....	101
2.05 Quality of air transport infrastructure .....	61	7.07 Pay and productivity .....	87
2.06 Available seat kilometers* .....	50	7.08 Reliance on professional management .....	100
2.07 Quality of electricity supply .....	51	7.09 Brain drain .....	77
2.08 Telephone lines* .....	106	7.10 Female participation in labor force* .....	131
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit* .....	111	8.01 Financial market sophistication .....	62
3.02 National savings rate* .....	50	8.02 Financing through local equity market .....	73
3.03 Inflation* .....	22	8.03 Ease of access to loans .....	69
3.04 Interest rate spread* .....	91	8.04 Venture capital availability .....	67
3.05 Government debt* .....	111	8.05 Restriction on capital flows .....	112
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection* .....	118
4.01 Business impact of malaria .....	92	8.07 Soundness of banks .....	89
4.02 Malaria incidence* .....	64	8.08 Regulation of securities exchanges .....	72
4.03 Business impact of tuberculosis .....	95	8.09 Legal rights index* .....	93
4.04 Tuberculosis incidence* .....	86	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS .....	88	9.01 Availability of latest technologies .....	57
4.06 HIV prevalence* .....	23	9.02 Firm-level technology absorption .....	70
4.07 Infant mortality* .....	96	9.03 Laws relating to ICT .....	97
4.08 Life expectancy* .....	66	9.04 FDI and technology transfer .....	72
4.09 Quality of primary education .....	85	9.05 Mobile telephone subscribers* .....	81
4.10 Primary enrollment* .....	98	9.06 Internet users* .....	61
4.11 Education expenditure* .....	15	9.07 Personal computers* .....	95
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers* .....	66
5.01 Secondary enrollment* .....	107	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment* .....	99	10.01 Domestic market size* .....	56
5.03 Quality of the educational system .....	100	10.02 Foreign market size* .....	64
5.04 Quality of math and science education .....	67	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools .....	63	11.01 Local supplier quantity .....	69
5.06 Internet access in schools .....	70	11.02 Local supplier quality .....	86
5.07 Local availability of research and training services .....	69	11.03 State of cluster development .....	52
5.08 Extent of staff training .....	79	11.04 Nature of competitive advantage .....	82
		11.05 Value chain breadth .....	40
		11.06 Control of international distribution .....	68
		11.07 Production process sophistication .....	70
		11.08 Extent of marketing .....	81
		11.09 Willingness to delegate authority .....	114
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	87
		12.02 Quality of scientific research institutions .....	94
		12.03 Company spending on R&D .....	69
		12.04 University-industry research collaboration .....	99
		12.05 Gov't procurement of advanced tech products .....	58
		12.06 Availability of scientists and engineers .....	68
		12.07 Utility patents* .....	82

\* Hard data

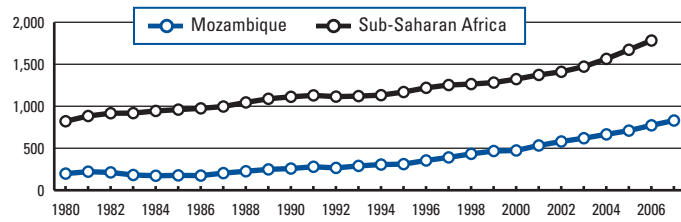
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Mozambique

## Key indicators

Total population (millions), 2007 .....	20.5
GDP (US\$ billions), 2007 .....	7.6
GDP per capita (US\$), 2007 .....	368.7
GDP (PPP) as share (%) of world total, 2007 .....	0.03

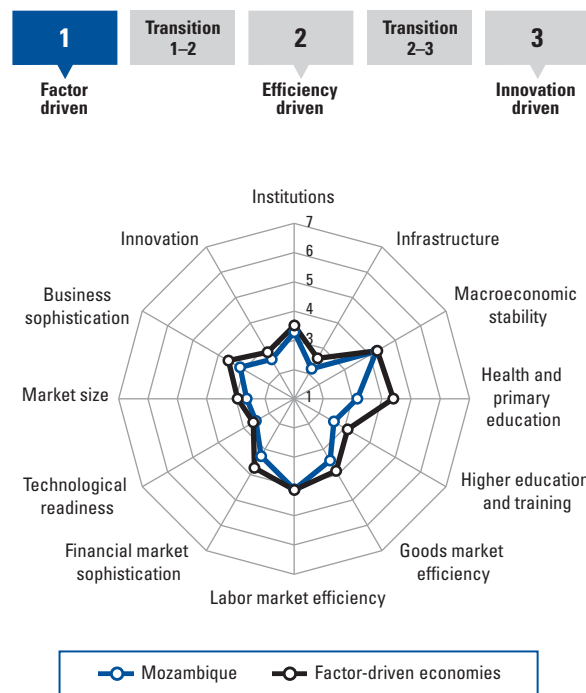
GDP (PPP US\$) per capita, 1980–2007



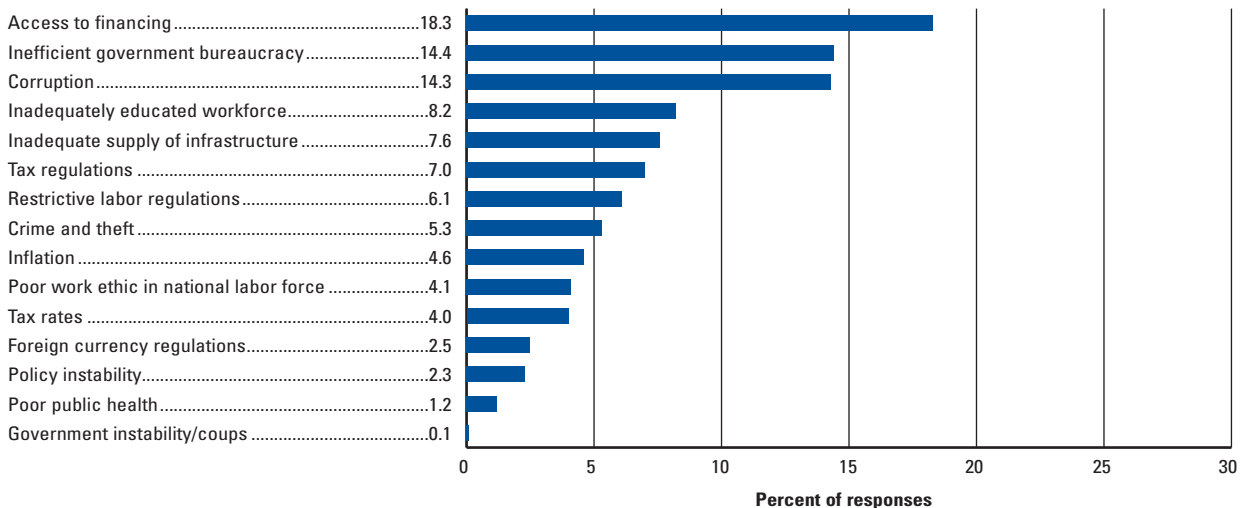
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>130</b>	<b>3.1</b>
GCI 2007–2008 (out of 131) .....	128	3.0
GCI 2006–2007 (out of 122) .....	119	3.2
<b>Basic requirements</b> .....	<b>131</b>	<b>3.2</b>
1st pillar: Institutions .....	112	3.3
2nd pillar: Infrastructure .....	124	2.2
3rd pillar: Macroeconomic stability .....	112	4.2
4th pillar: Health and primary education .....	132	3.2
<b>Efficiency enhancers</b> .....	<b>129</b>	<b>3.1</b>
5th pillar: Higher education and training .....	129	2.6
6th pillar: Goods market efficiency .....	127	3.4
7th pillar: Labor market efficiency .....	98	4.1
8th pillar: Financial market sophistication .....	122	3.3
9th pillar: Technological readiness .....	116	2.5
10th pillar: Market size .....	107	2.6
<b>Innovation and sophistication factors</b> .....	<b>127</b>	<b>2.8</b>
11th pillar: Business sophistication .....	128	3.1
12th pillar: Innovation .....	120	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....116	6.01	Intensity of local competition .....129
1.02	Intellectual property protection .....119	6.02	Extent of market dominance .....122
1.03	Diversion of public funds .....112	6.03	Effectiveness of anti-monopoly policy .....120
1.04	Public trust of politicians .....91	6.04	Extent and effect of taxation .....91
1.05	Judicial independence .....101	6.05	Total tax rate* .....32
1.06	Favoritism in decisions of government officials .....78	6.06	No. of procedures required to start a business* .....75
1.07	Wastefulness of government spending .....70	6.07	Time required to start a business* .....66
1.08	Burden of government regulation .....66	6.08	Agricultural policy costs .....115
1.09	Efficiency of legal framework .....101	6.09	Prevalence of trade barriers .....107
1.10	Transparency of government policymaking .....93	6.10	Trade-weighted tariff rate* .....83
1.11	Business costs of terrorism .....93	6.11	Prevalence of foreign ownership .....88
1.12	Business costs of crime and violence .....115	6.12	Business impact of rules on FDI .....91
1.13	Organized crime .....104	6.13	Burden of customs procedures .....115
1.14	Reliability of police services .....118	6.14	Degree of customer orientation .....132
1.15	Ethical behavior of firms .....122	6.15	Buyer sophistication .....131
1.16	Strength of auditing and reporting standards .....107	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....120	7.01	Cooperation in labor-employer relations .....114
1.18	Protection of minority shareholders' interests .....116	7.02	Flexibility of wage determination .....116
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....14
2.01	Quality of overall infrastructure .....126	7.04	Rigidity of employment* .....111
2.02	Quality of roads .....122	7.05	Hiring and firing practices .....97
2.03	Quality of railroad infrastructure .....82	7.06	Firing costs* .....122
2.04	Quality of port infrastructure .....111	7.07	Pay and productivity .....100
2.05	Quality of air transport infrastructure .....113	7.08	Reliance on professional management .....105
2.06	Available seat kilometers* .....106	7.09	Brain drain .....78
2.07	Quality of electricity supply .....93	7.10	Female participation in labor force* .....1
2.08	Telephone lines* .....131	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....123
3.01	Government surplus/deficit* .....120	8.02	Financing through local equity market .....120
3.02	National savings rate* .....122	8.03	Ease of access to loans .....123
3.03	Inflation* .....97	8.04	Venture capital availability .....122
3.04	Interest rate spread* .....97	8.05	Restriction on capital flows .....132
3.05	Government debt* .....33	8.06	Strength of investor protection* .....26
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....106
4.01	Business impact of malaria .....133	8.08	Regulation of securities exchanges .....112
4.02	Malaria incidence* .....131	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....133	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....126	9.01	Availability of latest technologies .....100
4.05	Business impact of HIV/AIDS .....132	9.02	Firm-level technology absorption .....104
4.06	HIV prevalence* .....128	9.03	Laws relating to ICT .....112
4.07	Infant mortality* .....126	9.04	FDI and technology transfer .....85
4.08	Life expectancy* .....123	9.05	Mobile telephone subscribers* .....121
4.09	Quality of primary education .....126	9.06	Internet users* .....124
4.10	Primary enrollment* .....115	9.07	Personal computers* .....111
4.11	Education expenditure* .....83	9.08	Broadband Internet subscribers* .....126
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....130	10.01	Domestic market size* .....107
5.02	Tertiary enrollment* .....131	10.02	Foreign market size* .....105
5.03	Quality of the educational system .....115	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....123	11.01	Local supplier quantity .....127
5.05	Quality of management schools .....129	11.02	Local supplier quality .....133
5.06	Internet access in schools .....116	11.03	State of cluster development .....110
5.07	Local availability of research and training services .....116	11.04	Nature of competitive advantage .....117
5.08	Extent of staff training .....74	11.05	Value chain breadth .....126
		11.06	Control of international distribution .....121
		11.07	Production process sophistication .....106
		11.08	Extent of marketing .....119
		11.09	Willingness to delegate authority .....102
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....125
		12.02	Quality of scientific research institutions .....114
		12.03	Company spending on R&D .....123
		12.04	University-industry research collaboration .....102
		12.05	Gov't procurement of advanced tech products .....94
		12.06	Availability of scientists and engineers .....127
		12.07	Utility patents* .....88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

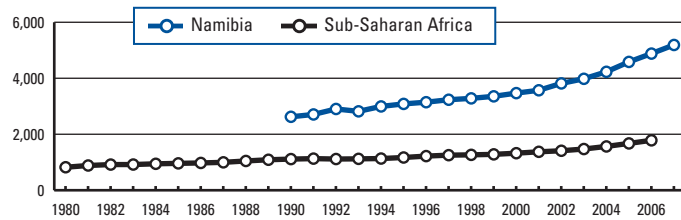


# Namibia

## Key indicators

Total population (millions), 2007 .....	2.1
GDP (US\$ billions), 2007 .....	7.4
GDP per capita (US\$), 2007 .....	3,583.5
GDP (PPP) as share (%) of world total, 2007 .....	0.02

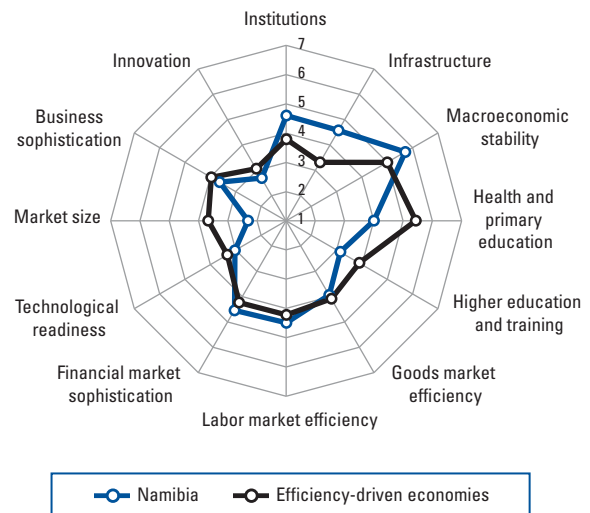
GDP (PPP US\$) per capita, 1980–2007



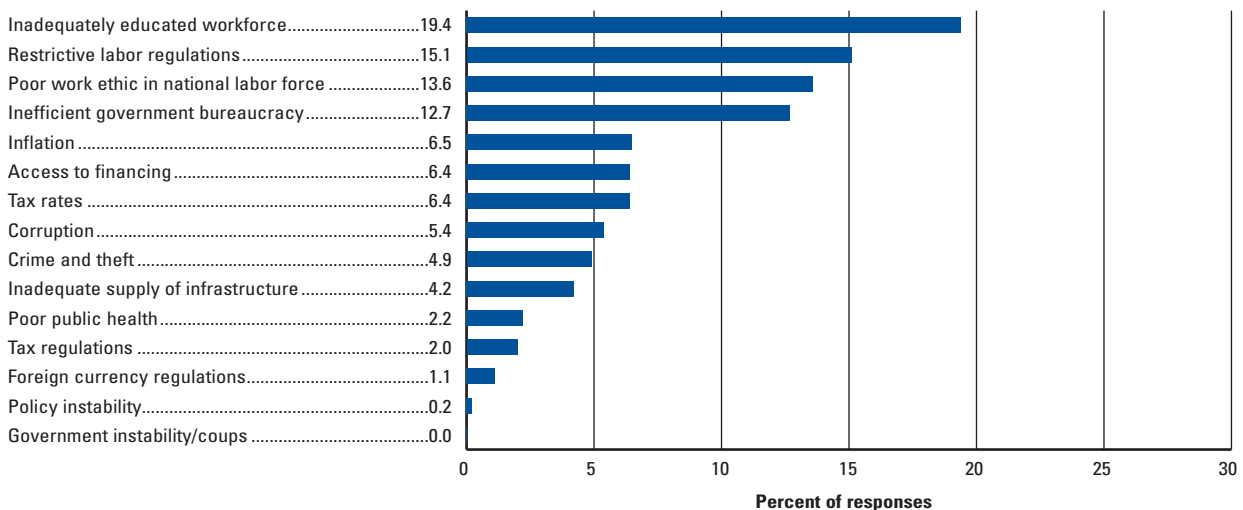
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>80</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	89	3.8
GCI 2006–2007 (out of 122) .....	72	4.0
<b>Basic requirements</b> .....	<b>48</b>	<b>4.7</b>
1st pillar: Institutions .....	42	4.6
2nd pillar: Infrastructure .....	33	4.6
3rd pillar: Macroeconomic stability .....	27	5.7
4th pillar: Health and primary education .....	118	4.0
<b>Efficiency enhancers</b> .....	<b>93</b>	<b>3.6</b>
5th pillar: Higher education and training .....	110	3.1
6th pillar: Goods market efficiency .....	94	3.9
7th pillar: Labor market efficiency .....	50	4.5
8th pillar: Financial market sophistication .....	53	4.5
9th pillar: Technological readiness .....	85	3.0
10th pillar: Market size .....	122	2.3
<b>Innovation and sophistication factors</b> .....	<b>104</b>	<b>3.2</b>
11th pillar: Business sophistication .....	94	3.6
12th pillar: Innovation .....	111	2.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....25	6.01	Intensity of local competition .....99
1.02	Intellectual property protection .....37	6.02	Extent of market dominance .....101
1.03	Diversion of public funds .....53	6.03	Effectiveness of anti-monopoly policy .....88
1.04	Public trust of politicians .....34	6.04	Extent and effect of taxation .....52
1.05	Judicial independence .....22	6.05	Total tax rate* .....13
1.06	Favoritism in decisions of government officials .....53	6.06	No. of procedures required to start a business* .....75
1.07	Wastefulness of government spending .....61	6.07	Time required to start a business* .....122
1.08	Burden of government regulation .....52	6.08	Agricultural policy costs .....61
1.09	Efficiency of legal framework .....32	6.09	Prevalence of trade barriers .....47
1.10	Transparency of government policymaking .....51	6.10	Trade-weighted tariff rate* .....91
1.11	Business costs of terrorism .....30	6.11	Prevalence of foreign ownership .....61
1.12	Business costs of crime and violence .....105	6.12	Business impact of rules on FDI .....72
1.13	Organized crime .....58	6.13	Burden of customs procedures .....53
1.14	Reliability of police services .....80	6.14	Degree of customer orientation .....120
1.15	Ethical behavior of firms .....51	6.15	Buyer sophistication .....73
1.16	Strength of auditing and reporting standards .....27	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....40	7.01	Cooperation in labor-employer relations .....127
1.18	Protection of minority shareholders' interests .....29	7.02	Flexibility of wage determination .....87
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....1
2.01	Quality of overall infrastructure .....26	7.04	Rigidity of employment* .....22
2.02	Quality of roads .....23	7.05	Hiring and firing practices .....131
2.03	Quality of railroad infrastructure .....24	7.06	Firing costs* .....39
2.04	Quality of port infrastructure .....24	7.07	Pay and productivity .....110
2.05	Quality of air transport infrastructure .....50	7.08	Reliance on professional management .....39
2.06	Available seat kilometers* .....105	7.09	Brain drain .....60
2.07	Quality of electricity supply .....57	7.10	Female participation in labor force* .....70
2.08	Telephone lines* .....99	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....42
3.01	Government surplus/deficit* .....35	8.02	Financing through local equity market .....68
3.02	National savings rate* .....8	8.03	Ease of access to loans .....61
3.03	Inflation* .....83	8.04	Venture capital availability .....73
3.04	Interest rate spread* .....66	8.05	Restriction on capital flows .....105
3.05	Government debt* .....32	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....17
4.01	Business impact of malaria .....110	8.08	Regulation of securities exchanges .....65
4.02	Malaria incidence* .....129	8.09	Legal rights index* .....52
4.03	Business impact of tuberculosis .....116	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....133	9.01	Availability of latest technologies .....53
4.05	Business impact of HIV/AIDS .....125	9.02	Firm-level technology absorption .....74
4.06	HIV prevalence* .....130	9.03	Laws relating to ICT .....93
4.07	Infant mortality* .....99	9.04	FDI and technology transfer .....74
4.08	Life expectancy* .....110	9.05	Mobile telephone subscribers* .....98
4.09	Quality of primary education .....95	9.06	Internet users* .....110
4.10	Primary enrollment* .....114	9.07	Personal computers* .....41
4.11	Education expenditure* .....7	9.08	Broadband Internet subscribers* .....116
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....103	10.01	Domestic market size* .....122
5.02	Tertiary enrollment* .....112	10.02	Foreign market size* .....108
5.03	Quality of the educational system .....114	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....121	11.01	Local supplier quantity .....128
5.05	Quality of management schools .....133	11.02	Local supplier quality .....90
5.06	Internet access in schools .....102	11.03	State of cluster development .....87
5.07	Local availability of research and training services .....134	11.04	Nature of competitive advantage .....63
5.08	Extent of staff training .....44	11.05	Value chain breadth .....120
		11.06	Control of international distribution .....112
		11.07	Production process sophistication .....81
		11.08	Extent of marketing .....79
		11.09	Willingness to delegate authority .....75
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....112
		12.02	Quality of scientific research institutions .....109
		12.03	Company spending on R&D .....78
		12.04	University-industry research collaboration .....113
		12.05	Gov't procurement of advanced tech products .....113
		12.06	Availability of scientists and engineers .....132
		12.07	Utility patents* .....88

\* Hard data

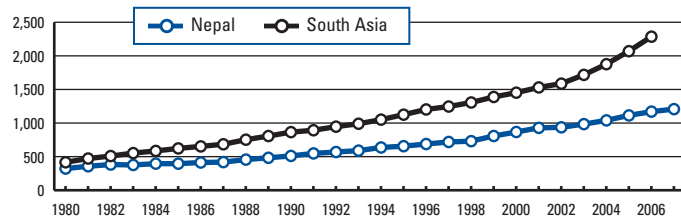
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Nepal

## Key indicators

Total population (millions), 2007 .....	28.2
GDP (US\$ billions), 2007 .....	9.6
GDP per capita (US\$), 2007 .....	400.2
GDP (PPP) as share (%) of world total, 2007 .....	0.05

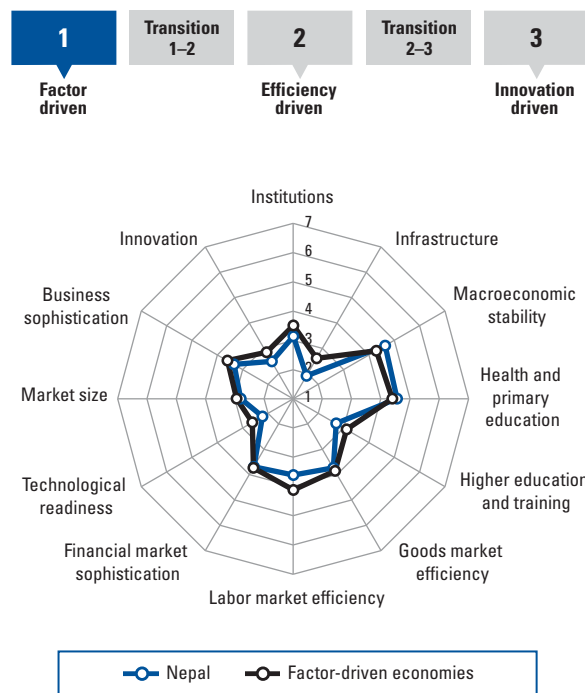
GDP (PPP US\$) per capita, 1980–2007



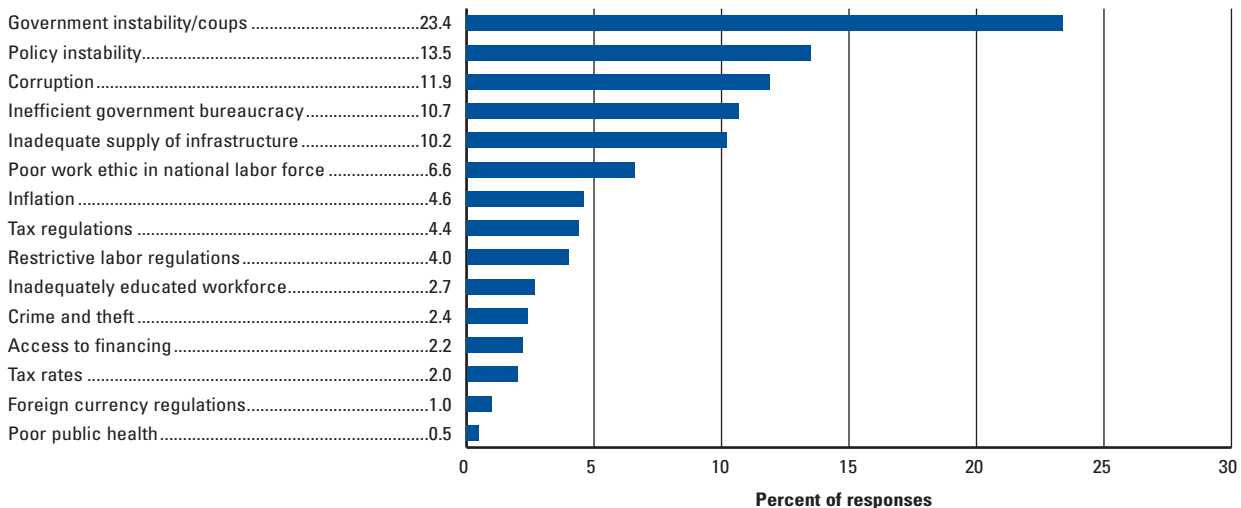
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>126</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	114	3.4
GCI 2006–2007 (out of 122) .....	104	3.4
<b>Basic requirements</b> .....	<b>120</b>	<b>3.5</b>
1st pillar: Institutions .....	120	3.1
2nd pillar: Infrastructure .....	132	1.9
3rd pillar: Macroeconomic stability .....	90	4.6
4th pillar: Health and primary education .....	107	4.5
<b>Efficiency enhancers</b> .....	<b>126</b>	<b>3.1</b>
5th pillar: Higher education and training .....	125	2.7
6th pillar: Goods market efficiency .....	113	3.7
7th pillar: Labor market efficiency .....	124	3.6
8th pillar: Financial market sophistication .....	105	3.7
9th pillar: Technological readiness .....	130	2.2
10th pillar: Market size .....	99	2.8
<b>Innovation and sophistication factors</b> .....	<b>121</b>	<b>2.9</b>
11th pillar: Business sophistication .....	117	3.3
12th pillar: Innovation .....	126	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....111	6.01	Intensity of local competition .....106
1.02	Intellectual property protection .....117	6.02	Extent of market dominance .....128
1.03	Diversion of public funds .....106	6.03	Effectiveness of anti-monopoly policy .....115
1.04	Public trust of politicians .....119	6.04	Extent and effect of taxation .....49
1.05	Judicial independence .....92	6.05	Total tax rate* .....25
1.06	Favoritism in decisions of government officials .....89	6.06	No. of procedures required to start a business* .....34
1.07	Wastefulness of government spending .....88	6.07	Time required to start a business* .....70
1.08	Burden of government regulation .....89	6.08	Agricultural policy costs .....99
1.09	Efficiency of legal framework .....106	6.09	Prevalence of trade barriers .....126
1.10	Transparency of government policymaking .....120	6.10	Trade-weighted tariff rate* .....116
1.11	Business costs of terrorism .....132	6.11	Prevalence of foreign ownership .....126
1.12	Business costs of crime and violence .....121	6.12	Business impact of rules on FDI .....113
1.13	Organized crime .....128	6.13	Burden of customs procedures .....114
1.14	Reliability of police services .....110	6.14	Degree of customer orientation .....115
1.15	Ethical behavior of firms .....116	6.15	Buyer sophistication .....105
1.16	Strength of auditing and reporting standards .....118	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....124	7.01	Cooperation in labor-employer relations .....133
1.18	Protection of minority shareholders' interests .....102	7.02	Flexibility of wage determination .....89
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....30
2.01	Quality of overall infrastructure .....130	7.04	Rigidity of employment* .....110
2.02	Quality of roads .....125	7.05	Hiring and firing practices .....107
2.03	Quality of railroad infrastructure .....112	7.06	Firing costs* .....105
2.04	Quality of port infrastructure .....107	7.07	Pay and productivity .....119
2.05	Quality of air transport infrastructure .....114	7.08	Reliance on professional management .....115
2.06	Available seat kilometers* .....84	7.09	Brain drain .....132
2.07	Quality of electricity supply .....130	7.10	Female participation in labor force* .....96
2.08	Telephone lines* .....113	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....108
3.01	Government surplus/deficit* .....114	8.02	Financing through local equity market .....53
3.02	National savings rate* .....39	8.03	Ease of access to loans .....98
3.03	Inflation* .....78	8.04	Venture capital availability .....92
3.04	Interest rate spread* .....71	8.05	Restriction on capital flows .....120
3.05	Government debt* .....82	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....105
4.01	Business impact of malaria .....103	8.08	Regulation of securities exchanges .....108
4.02	Malaria incidence* .....87	8.09	Legal rights index* .....72
4.03	Business impact of tuberculosis .....107	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....101	9.01	Availability of latest technologies .....119
4.05	Business impact of HIV/AIDS .....105	9.02	Firm-level technology absorption .....130
4.06	HIV prevalence* .....79	9.03	Laws relating to ICT .....121
4.07	Infant mortality* .....105	9.04	FDI and technology transfer .....112
4.08	Life expectancy* .....108	9.05	Mobile telephone subscribers* .....130
4.09	Quality of primary education .....107	9.06	Internet users* .....121
4.10	Primary enrollment* .....112	9.07	Personal computers* .....126
4.11	Education expenditure* .....107	9.08	Broadband Internet subscribers* .....126
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....113	10.01	Domestic market size* .....91
5.02	Tertiary enrollment* .....113	10.02	Foreign market size* .....117
5.03	Quality of the educational system .....97	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....102	11.01	Local supplier quantity .....108
5.05	Quality of management schools .....118	11.02	Local supplier quality .....116
5.06	Internet access in schools .....96	11.03	State of cluster development .....102
5.07	Local availability of research and training services .....119	11.04	Nature of competitive advantage .....98
5.08	Extent of staff training .....132	11.05	Value chain breadth .....100
		11.06	Control of international distribution .....105
		11.07	Production process sophistication .....125
		11.08	Extent of marketing .....129
		11.09	Willingness to delegate authority .....112
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....124
		12.02	Quality of scientific research institutions .....112
		12.03	Company spending on R&D .....126
		12.04	University-industry research collaboration .....123
		12.05	Gov't procurement of advanced tech products .....120
		12.06	Availability of scientists and engineers .....108
		12.07	Utility patents* .....88

\* Hard data

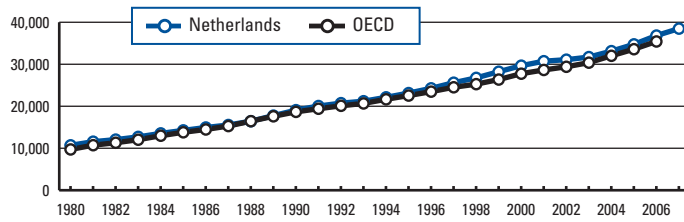
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Netherlands

## Key indicators

Total population (millions), 2007 .....	16.4
GDP (US\$ billions), 2007 .....	768.7
GDP per capita (US\$), 2007 .....	46,260.7
GDP (PPP) as share (%) of world total, 2007 .....	0.98

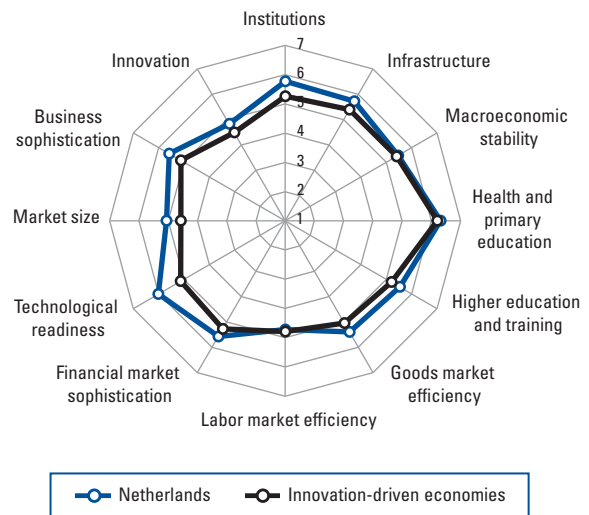
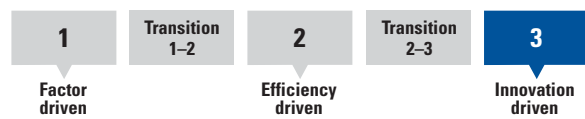
GDP (PPP US\$) per capita, 1980–2007



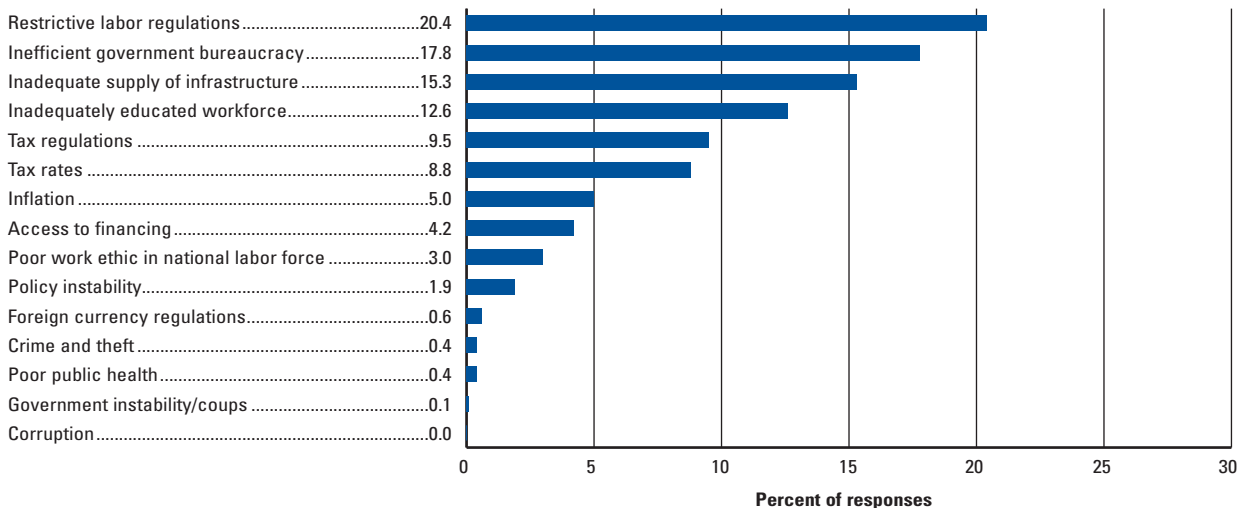
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>8</b>	<b>5.4</b>
GCI 2007–2008 (out of 131) .....	10	5.4
GCI 2006–2007 (out of 122) .....	11	5.4
<b>Basic requirements</b> .....	<b>10</b>	<b>5.8</b>
1st pillar: Institutions .....	10	5.8
2nd pillar: Infrastructure .....	12	5.7
3rd pillar: Macroeconomic stability .....	36	5.5
4th pillar: Health and primary education .....	11	6.3
<b>Efficiency enhancers</b> .....	<b>7</b>	<b>5.4</b>
5th pillar: Higher education and training .....	11	5.5
6th pillar: Goods market efficiency .....	3	5.4
7th pillar: Labor market efficiency .....	30	4.7
8th pillar: Financial market sophistication .....	11	5.6
9th pillar: Technological readiness .....	1	6.0
10th pillar: Market size .....	18	5.1
<b>Innovation and sophistication factors</b> .....	<b>9</b>	<b>5.2</b>
11th pillar: Business sophistication .....	8	5.6
12th pillar: Innovation .....	12	4.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	14
1.02 Intellectual property protection	11
1.03 Diversion of public funds	10
1.04 Public trust of politicians	11
1.05 Judicial independence	6
1.06 Favoritism in decisions of government officials	5
1.07 Wastefulness of government spending	12
1.08 Burden of government regulation	81
1.09 Efficiency of legal framework	9
1.10 Transparency of government policymaking	13
1.11 Business costs of terrorism	83
1.12 Business costs of crime and violence	62
1.13 Organized crime	40
1.14 Reliability of police services	11
1.15 Ethical behavior of firms	8
1.16 Strength of auditing and reporting standards	13
1.17 Efficacy of corporate boards	10
1.18 Protection of minority shareholders' interests	17
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	17
2.02 Quality of roads	25
2.03 Quality of railroad infrastructure	13
2.04 Quality of port infrastructure	3
2.05 Quality of air transport infrastructure	9
2.06 Available seat kilometers*	20
2.07 Quality of electricity supply	7
2.08 Telephone lines*	22
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	52
3.02 National savings rate*	47
3.03 Inflation*	11
3.04 Interest rate spread*	60
3.05 Government debt*	90
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	27
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	24
4.04 Tuberculosis incidence*	16
4.05 Business impact of HIV/AIDS	23
4.06 HIV prevalence*	50
4.07 Infant mortality*	10
4.08 Life expectancy*	12
4.09 Quality of primary education	13
4.10 Primary enrollment*	20
4.11 Education expenditure*	36
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	5
5.02 Tertiary enrollment*	25
5.03 Quality of the educational system	13
5.04 Quality of math and science education	16
5.05 Quality of management schools	10
5.06 Internet access in schools	12
5.07 Local availability of research and training services	3
5.08 Extent of staff training	8

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

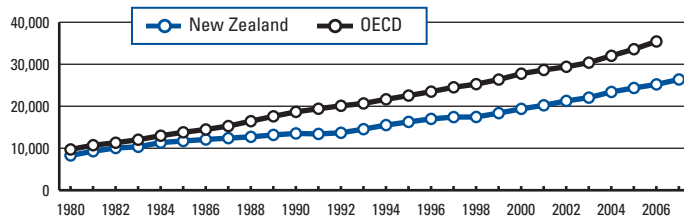
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	3
6.02 Extent of market dominance	5
6.03 Effectiveness of anti-monopoly policy	1
6.04 Extent and effect of taxation	60
6.05 Total tax rate*	64
6.06 No. of procedures required to start a business*	19
6.07 Time required to start a business*	17
6.08 Agricultural policy costs	17
6.09 Prevalence of trade barriers	18
6.10 Trade-weighted tariff rate*	5
6.11 Prevalence of foreign ownership	26
6.12 Business impact of rules on FDI	12
6.13 Burden of customs procedures	14
6.14 Degree of customer orientation	12
6.15 Buyer sophistication	13
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	9
7.02 Flexibility of wage determination	122
7.03 Non-wage labor costs*	75
7.04 Rigidity of employment*	81
7.05 Hiring and firing practices	124
7.06 Firing costs*	28
7.07 Pay and productivity	90
7.08 Reliance on professional management	7
7.09 Brain drain	11
7.10 Female participation in labor force*	46
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	8
8.02 Financing through local equity market	24
8.03 Ease of access to loans	4
8.04 Venture capital availability	3
8.05 Restriction on capital flows	16
8.06 Strength of investor protection*	81
8.07 Soundness of banks	6
8.08 Regulation of securities exchanges	12
8.09 Legal rights index*	16
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	15
9.02 Firm-level technology absorption	27
9.03 Laws relating to ICT	20
9.04 FDI and technology transfer	37
9.05 Mobile telephone subscribers*	24
9.06 Internet users*	2
9.07 Personal computers*	2
9.08 Broadband Internet subscribers*	2
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	20
10.02 Foreign market size*	14
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	11
11.02 Local supplier quality	6
11.03 State of cluster development	12
11.04 Nature of competitive advantage	9
11.05 Value chain breadth	9
11.06 Control of international distribution	9
11.07 Production process sophistication	8
11.08 Extent of marketing	11
11.09 Willingness to delegate authority	3
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	11
12.02 Quality of scientific research institutions	10
12.03 Company spending on R&D	11
12.04 University-industry research collaboration	11
12.05 Gov't procurement of advanced tech products	37
12.06 Availability of scientists and engineers	25
12.07 Utility patents*	13

# New Zealand

## Key indicators

Total population (millions), 2007 .....	4.1
GDP (US\$ billions), 2007 .....	128.1
GDP per capita (US\$), 2007 .....	30,255.6
GDP (PPP) as share (%) of world total, 2007 .....	0.17

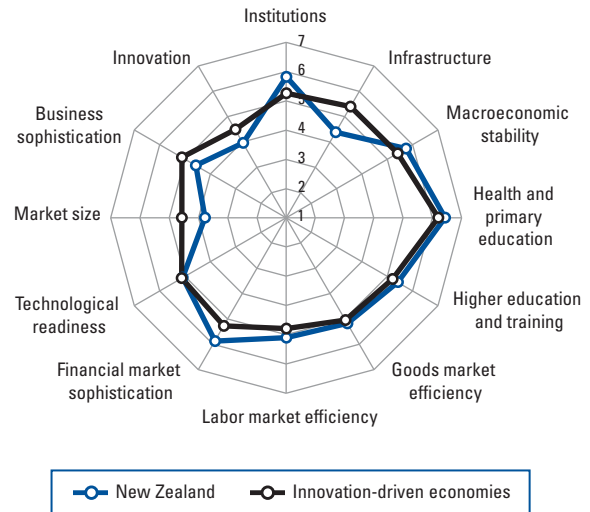
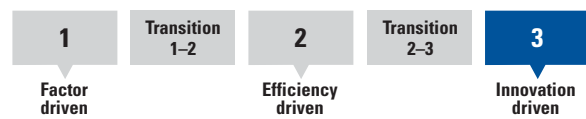
GDP (PPP US\$) per capita, 1980–2007



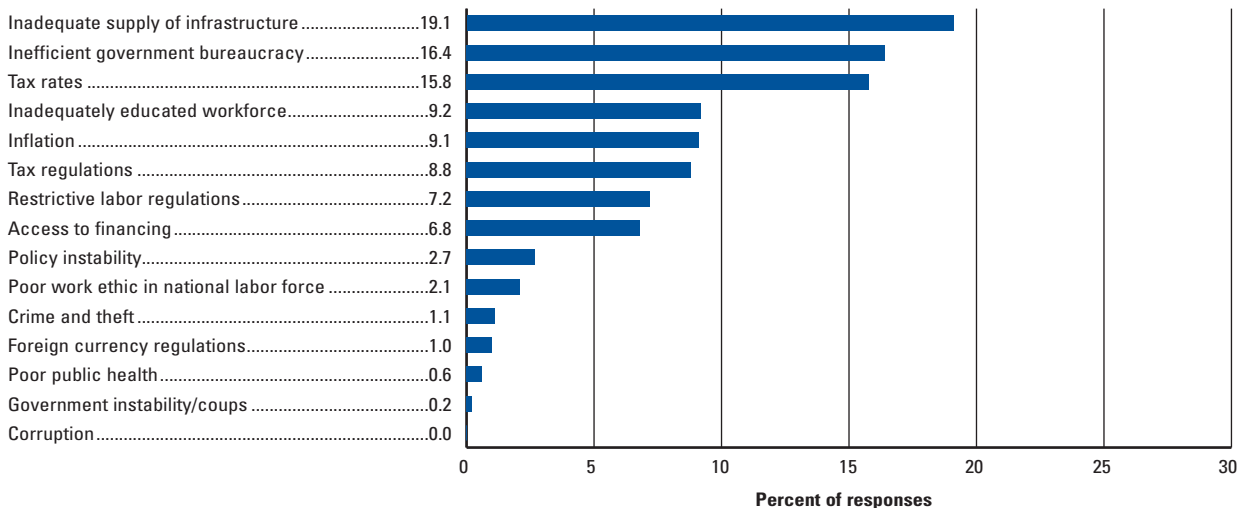
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>24</b>	<b>4.9</b>
GCI 2007–2008 (out of 131) .....	24	5.0
GCI 2006–2007 (out of 122) .....	21	5.1
<b>Basic requirements</b> .....	<b>19</b>	<b>5.6</b>
1st pillar: Institutions .....	8	5.8
2nd pillar: Infrastructure .....	42	4.4
3rd pillar: Macroeconomic stability .....	25	5.7
4th pillar: Health and primary education .....	5	6.4
<b>Efficiency enhancers</b> .....	<b>17</b>	<b>5.1</b>
5th pillar: Higher education and training .....	15	5.4
6th pillar: Goods market efficiency .....	17	5.2
7th pillar: Labor market efficiency .....	10	5.1
8th pillar: Financial market sophistication .....	3	5.9
9th pillar: Technological readiness .....	22	5.1
10th pillar: Market size .....	60	3.8
<b>Innovation and sophistication factors</b> .....	<b>28</b>	<b>4.3</b>
11th pillar: Business sophistication .....	37	4.6
12th pillar: Innovation .....	26	4.0

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....16	6.01	Intensity of local competition .....58
1.02	Intellectual property protection .....13	6.02	Extent of market dominance .....43
1.03	Diversion of public funds .....2	6.03	Effectiveness of anti-monopoly policy .....10
1.04	Public trust of politicians .....14	6.04	Extent and effect of taxation .....90
1.05	Judicial independence .....1	6.05	Total tax rate* .....34
1.06	Favoritism in decisions of government officials .....7	6.06	No. of procedures required to start a business* .....1
1.07	Wastefulness of government spending .....53	6.07	Time required to start a business* .....22
1.08	Burden of government regulation .....65	6.08	Agricultural policy costs .....1
1.09	Efficiency of legal framework .....12	6.09	Prevalence of trade barriers .....3
1.10	Transparency of government policymaking .....11	6.10	Trade-weighted tariff rate* .....32
1.11	Business costs of terrorism .....29	6.11	Prevalence of foreign ownership .....22
1.12	Business costs of crime and violence .....25	6.12	Business impact of rules on FDI .....63
1.13	Organized crime .....5	6.13	Burden of customs procedures .....8
1.14	Reliability of police services .....23	6.14	Degree of customer orientation .....23
1.15	Ethical behavior of firms .....4	6.15	Buyer sophistication .....27
1.16	Strength of auditing and reporting standards .....5	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....3	7.01	Cooperation in labor-employer relations .....32
1.18	Protection of minority shareholders' interests .....4	7.02	Flexibility of wage determination .....29
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....9
2.01	Quality of overall infrastructure .....50	7.04	Rigidity of employment* .....8
2.02	Quality of roads .....50	7.05	Hiring and firing practices .....103
2.03	Quality of railroad infrastructure .....44	7.06	Firing costs* .....1
2.04	Quality of port infrastructure .....23	7.07	Pay and productivity .....25
2.05	Quality of air transport infrastructure .....23	7.08	Reliance on professional management .....2
2.06	Available seat kilometers* .....28	7.09	Brain drain .....91
2.07	Quality of electricity supply .....52	7.10	Female participation in labor force* .....30
2.08	Telephone lines* .....25	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....29
3.01	Government surplus/deficit* .....25	8.02	Financing through local equity market .....17
3.02	National savings rate* .....97	8.03	Ease of access to loans .....13
3.03	Inflation* .....36	8.04	Venture capital availability .....20
3.04	Interest rate spread* .....65	8.05	Restriction on capital flows .....15
3.05	Government debt* .....42	8.06	Strength of investor protection* .....1
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....8
4.01	Business impact of malaria .....8	8.08	Regulation of securities exchanges .....11
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....3
4.03	Business impact of tuberculosis .....16	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....20	9.01	Availability of latest technologies .....34
4.05	Business impact of HIV/AIDS .....18	9.02	Firm-level technology absorption .....24
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....18
4.07	Infant mortality* .....26	9.04	FDI and technology transfer .....52
4.08	Life expectancy* .....12	9.05	Mobile telephone subscribers* .....36
4.09	Quality of primary education .....17	9.06	Internet users* .....4
4.10	Primary enrollment* .....8	9.07	Personal computers* .....18
4.11	Education expenditure* .....11	9.08	Broadband Internet subscribers* .....28
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....2	10.01	Domestic market size* .....57
5.02	Tertiary enrollment* .....8	10.02	Foreign market size* .....71
5.03	Quality of the educational system .....21	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....27	11.01	Local supplier quantity .....78
5.05	Quality of management schools .....27	11.02	Local supplier quality .....20
5.06	Internet access in schools .....21	11.03	State of cluster development .....71
5.07	Local availability of research and training services .....24	11.04	Nature of competitive advantage .....43
5.08	Extent of staff training .....26	11.05	Value chain breadth .....71
		11.06	Control of international distribution .....44
		11.07	Production process sophistication .....30
		11.08	Extent of marketing .....25
		11.09	Willingness to delegate authority .....11
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....28
		12.02	Quality of scientific research institutions .....19
		12.03	Company spending on R&D .....36
		12.04	University-industry research collaboration .....24
		12.05	Gov't procurement of advanced tech products .....64
		12.06	Availability of scientists and engineers .....76
		12.07	Utility patents* .....24

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

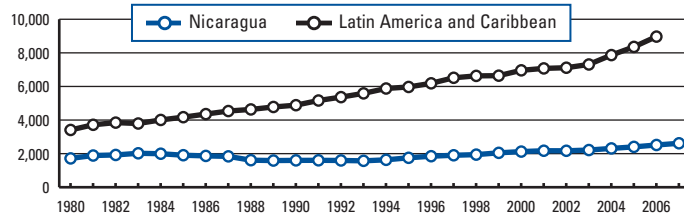


# Nicaragua

## Key indicators

Total population (millions), 2007 .....	5.7
GDP (US\$ billions), 2007 .....	5.7
GDP per capita (US\$), 2007 .....	945.5
GDP (PPP) as share (%) of world total, 2007 .....	0.03

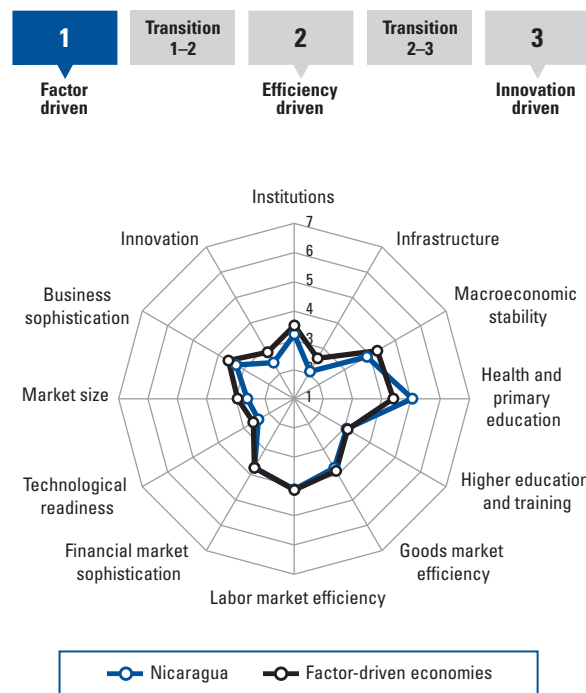
GDP (PPP US\$) per capita, 1980–2007



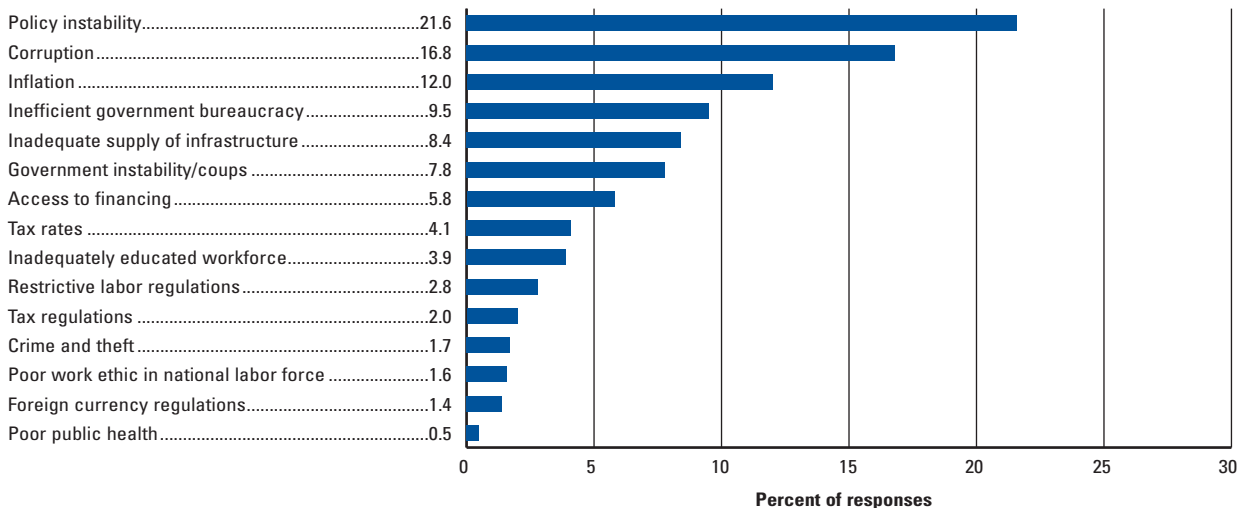
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>120</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	111	3.5
GCI 2006–2007 (out of 122) .....	100	3.5
<b>Basic requirements</b> .....	<b>122</b>	<b>3.5</b>
1st pillar: Institutions .....	118	3.2
2nd pillar: Infrastructure .....	128	2.1
3rd pillar: Macroeconomic stability .....	123	3.9
4th pillar: Health and primary education .....	98	5.0
<b>Efficiency enhancers</b> .....	<b>116</b>	<b>3.3</b>
5th pillar: Higher education and training .....	113	3.1
6th pillar: Goods market efficiency .....	112	3.7
7th pillar: Labor market efficiency .....	99	4.1
8th pillar: Financial market sophistication .....	100	3.7
9th pillar: Technological readiness .....	122	2.4
10th pillar: Market size .....	108	2.6
<b>Innovation and sophistication factors</b> .....	<b>124</b>	<b>2.9</b>
11th pillar: Business sophistication .....	119	3.3
12th pillar: Innovation .....	127	2.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	119	6.01 Intensity of local competition .....	122
1.02 Intellectual property protection .....	113	6.02 Extent of market dominance .....	127
1.03 Diversion of public funds .....	111	6.03 Effectiveness of anti-monopoly policy .....	124
1.04 Public trust of politicians .....	126	6.04 Extent and effect of taxation .....	86
1.05 Judicial independence .....	131	6.05 Total tax rate* .....	111
1.06 Favoritism in decisions of government officials .....	123	6.06 No. of procedures required to start a business* .....	19
1.07 Wastefulness of government spending .....	112	6.07 Time required to start a business* .....	90
1.08 Burden of government regulation .....	62	6.08 Agricultural policy costs .....	53
1.09 Efficiency of legal framework .....	127	6.09 Prevalence of trade barriers .....	116
1.10 Transparency of government policymaking .....	115	6.10 Trade-weighted tariff rate* .....	74
1.11 Business costs of terrorism .....	78	6.11 Prevalence of foreign ownership .....	83
1.12 Business costs of crime and violence .....	90	6.12 Business impact of rules on FDI .....	88
1.13 Organized crime .....	78	6.13 Burden of customs procedures .....	68
1.14 Reliability of police services .....	56	6.14 Degree of customer orientation .....	119
1.15 Ethical behavior of firms .....	110	6.15 Buyer sophistication .....	100
1.16 Strength of auditing and reporting standards .....	105	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	84	7.01 Cooperation in labor-employer relations .....	54
1.18 Protection of minority shareholders' interests .....	112	7.02 Flexibility of wage determination .....	38
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	69
2.01 Quality of overall infrastructure .....	125	7.04 Rigidity of employment* .....	40
2.02 Quality of roads .....	112	7.05 Hiring and firing practices .....	24
2.03 Quality of railroad infrastructure .....	118	7.06 Firing costs* .....	39
2.04 Quality of port infrastructure .....	130	7.07 Pay and productivity .....	77
2.05 Quality of air transport infrastructure .....	79	7.08 Reliance on professional management .....	111
2.06 Available seat kilometers* .....	113	7.09 Brain drain .....	74
2.07 Quality of electricity supply .....	126	7.10 Female participation in labor force* .....	123
2.08 Telephone lines* .....	103	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	104
3.01 Government surplus/deficit* .....	106	8.02 Financing through local equity market .....	105
3.02 National savings rate* .....	109	8.03 Ease of access to loans .....	117
3.03 Inflation* .....	124	8.04 Venture capital availability .....	102
3.04 Interest rate spread* .....	88	8.05 Restriction on capital flows .....	49
3.05 Government debt* .....	114	8.06 Strength of investor protection* .....	67
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	98
4.01 Business impact of malaria .....	106	8.08 Regulation of securities exchanges .....	84
4.02 Malaria incidence* .....	98	8.09 Legal rights index* .....	93
4.03 Business impact of tuberculosis .....	93	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	69	9.01 Availability of latest technologies .....	128
4.05 Business impact of HIV/AIDS .....	90	9.02 Firm-level technology absorption .....	117
4.06 HIV prevalence* .....	50	9.03 Laws relating to ICT .....	116
4.07 Infant mortality* .....	91	9.04 FDI and technology transfer .....	122
4.08 Life expectancy* .....	76	9.05 Mobile telephone subscribers* .....	93
4.09 Quality of primary education .....	128	9.06 Internet users* .....	115
4.10 Primary enrollment* .....	88	9.07 Personal computers* .....	93
4.11 Education expenditure* .....	98	9.08 Broadband Internet subscribers* .....	85
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	99	10.01 Domestic market size* .....	104
5.02 Tertiary enrollment* .....	87	10.02 Foreign market size* .....	110
5.03 Quality of the educational system .....	130	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	129	11.01 Local supplier quantity .....	117
5.05 Quality of management schools .....	83	11.02 Local supplier quality .....	112
5.06 Internet access in schools .....	117	11.03 State of cluster development .....	117
5.07 Local availability of research and training services .....	112	11.04 Nature of competitive advantage .....	123
5.08 Extent of staff training .....	115	11.05 Value chain breadth .....	119
		11.06 Control of international distribution .....	118
		11.07 Production process sophistication .....	118
		11.08 Extent of marketing .....	103
		11.09 Willingness to delegate authority .....	91
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	127
		12.02 Quality of scientific research institutions .....	125
		12.03 Company spending on R&D .....	132
		12.04 University-industry research collaboration .....	117
		12.05 Gov't procurement of advanced tech products .....	108
		12.06 Availability of scientists and engineers .....	123
		12.07 Utility patents* .....	88

\* Hard data

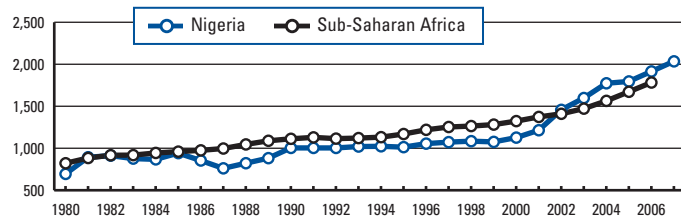
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Nigeria

## Key indicators

Total population (millions), 2007 .....	137.2
GDP (US\$ billions), 2007 .....	166.8
GDP per capita (US\$), 2007 .....	1,159.4
GDP (PPP) as share (%) of world total, 2007 .....	0.39

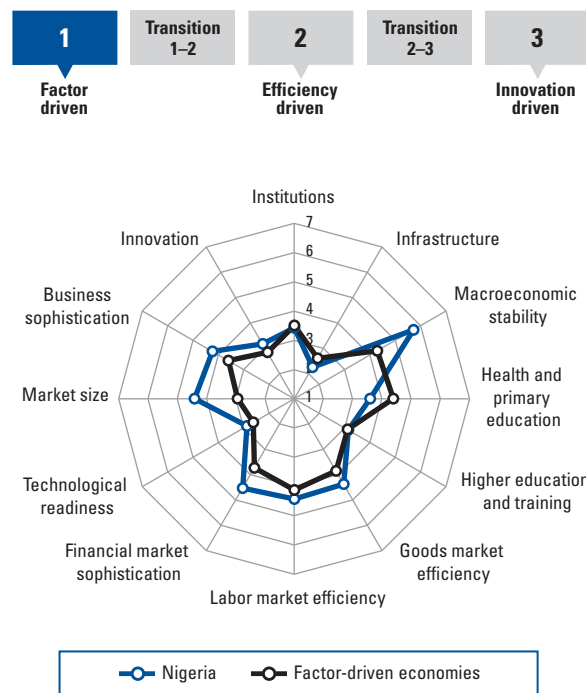
GDP (PPP US\$) per capita, 1980–2007



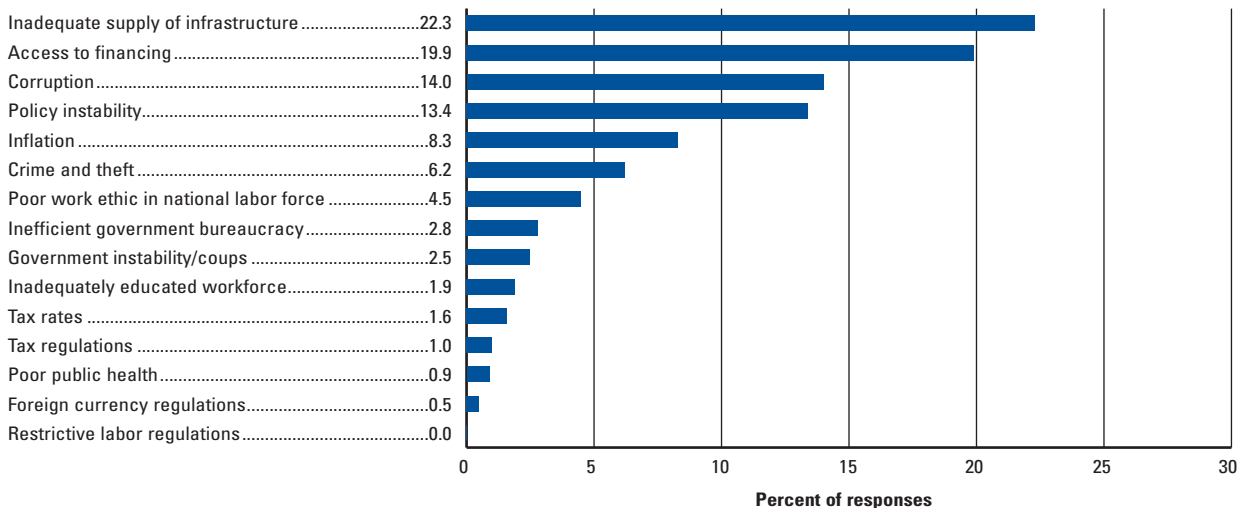
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>94</b>	<b>3.8</b>
GCI 2007–2008 (out of 131) .....	95	3.7
GCI 2006–2007 (out of 122) .....	95	3.6
<b>Basic requirements</b> .....	<b>105</b>	<b>3.7</b>
1st pillar: Institutions .....	106	3.4
2nd pillar: Infrastructure .....	120	2.2
3rd pillar: Macroeconomic stability .....	26	5.7
4th pillar: Health and primary education .....	126	3.6
<b>Efficiency enhancers</b> .....	<b>71</b>	<b>4.0</b>
5th pillar: Higher education and training .....	108	3.1
6th pillar: Goods market efficiency .....	56	4.4
7th pillar: Labor market efficiency .....	59	4.4
8th pillar: Financial market sophistication .....	54	4.5
9th pillar: Technological readiness .....	94	2.9
10th pillar: Market size .....	39	4.4
<b>Innovation and sophistication factors</b> .....	<b>64</b>	<b>3.7</b>
11th pillar: Business sophistication .....	61	4.2
12th pillar: Innovation .....	65	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....86	6.01	Intensity of local competition .....36
1.02	Intellectual property protection .....96	6.02	Extent of market dominance .....62
1.03	Diversion of public funds .....119	6.03	Effectiveness of anti-monopoly policy .....65
1.04	Public trust of politicians .....127	6.04	Extent and effect of taxation .....39
1.05	Judicial independence .....57	6.05	Total tax rate* .....19
1.06	Favoritism in decisions of government officials .....125	6.06	No. of procedures required to start a business* .....58
1.07	Wastefulness of government spending .....118	6.07	Time required to start a business* .....80
1.08	Burden of government regulation .....57	6.08	Agricultural policy costs .....56
1.09	Efficiency of legal framework .....72	6.09	Prevalence of trade barriers .....83
1.10	Transparency of government policymaking .....54	6.10	Trade-weighted tariff rate* .....118
1.11	Business costs of terrorism .....118	6.11	Prevalence of foreign ownership .....40
1.12	Business costs of crime and violence .....124	6.12	Business impact of rules on FDI .....57
1.13	Organized crime .....123	6.13	Burden of customs procedures .....123
1.14	Reliability of police services .....120	6.14	Degree of customer orientation .....63
1.15	Ethical behavior of firms .....95	6.15	Buyer sophistication .....61
1.16	Strength of auditing and reporting standards .....82	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....61	7.01	Cooperation in labor-employer relations .....67
1.18	Protection of minority shareholders' interests .....56	7.02	Flexibility of wage determination .....37
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....28
2.01	Quality of overall infrastructure .....114	7.04	Rigidity of employment* .....8
2.02	Quality of roads .....116	7.05	Hiring and firing practices .....10
2.03	Quality of railroad infrastructure .....108	7.06	Firing costs* .....80
2.04	Quality of port infrastructure .....120	7.07	Pay and productivity .....86
2.05	Quality of air transport infrastructure .....84	7.08	Reliance on professional management .....50
2.06	Available seat kilometers* .....55	7.09	Brain drain .....112
2.07	Quality of electricity supply .....132	7.10	Female participation in labor force* .....112
2.08	Telephone lines* .....116	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....75
3.01	Government surplus/deficit* .....15	8.02	Financing through local equity market .....3
3.02	National savings rate* .....9	8.03	Ease of access to loans .....118
3.03	Inflation* .....68	8.04	Venture capital availability .....84
3.04	Interest rate spread* .....85	8.05	Restriction on capital flows .....93
3.05	Government debt* .....n/a	8.06	Strength of investor protection* .....39
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....87
4.01	Business impact of malaria .....113	8.08	Regulation of securities exchanges .....53
4.02	Malaria incidence* .....112	8.09	Legal rights index* .....16
4.03	Business impact of tuberculosis .....91	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....117	9.01	Availability of latest technologies .....81
4.05	Business impact of HIV/AIDS .....79	9.02	Firm-level technology absorption .....75
4.06	HIV prevalence* .....120	9.03	Laws relating to ICT .....65
4.07	Infant mortality* .....127	9.04	FDI and technology transfer .....69
4.08	Life expectancy* .....128	9.05	Mobile telephone subscribers* .....104
4.09	Quality of primary education .....88	9.06	Internet users* .....100
4.10	Primary enrollment* .....125	9.07	Personal computers* .....117
4.11	Education expenditure* .....127	9.08	Broadband Internet subscribers* .....124
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....118	10.01	Domestic market size* .....41
5.02	Tertiary enrollment* .....104	10.02	Foreign market size* .....31
5.03	Quality of the educational system .....60	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....77	11.01	Local supplier quantity .....65
5.05	Quality of management schools .....59	11.02	Local supplier quality .....60
5.06	Internet access in schools .....104	11.03	State of cluster development .....39
5.07	Local availability of research and training services .....52	11.04	Nature of competitive advantage .....47
5.08	Extent of staff training .....88	11.05	Value chain breadth .....98
		11.06	Control of international distribution .....39
		11.07	Production process sophistication .....80
		11.08	Extent of marketing .....64
		11.09	Willingness to delegate authority .....60
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....47
		12.02	Quality of scientific research institutions .....83
		12.03	Company spending on R&D .....33
		12.04	University-industry research collaboration .....80
		12.05	Gov't procurement of advanced tech products .....125
		12.06	Availability of scientists and engineers .....36
		12.07	Utility patents* .....88

\* Hard data

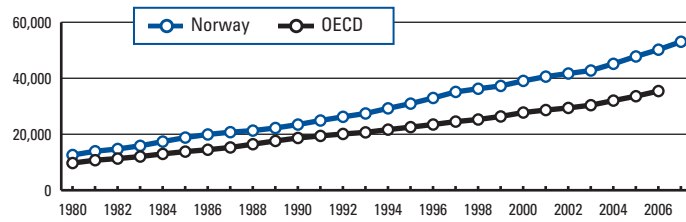
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Norway

## Key indicators

Total population (millions), 2007 .....	4.7
GDP (US\$ billions), 2007 .....	391.5
GDP per capita (US\$), 2007 .....	83,922.5
GDP (PPP) as share (%) of world total, 2007 .....	0.38

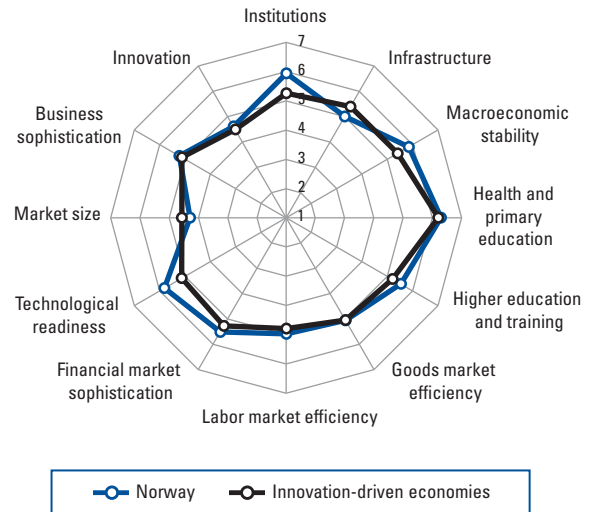
GDP (PPP US\$) per capita, 1980–2007



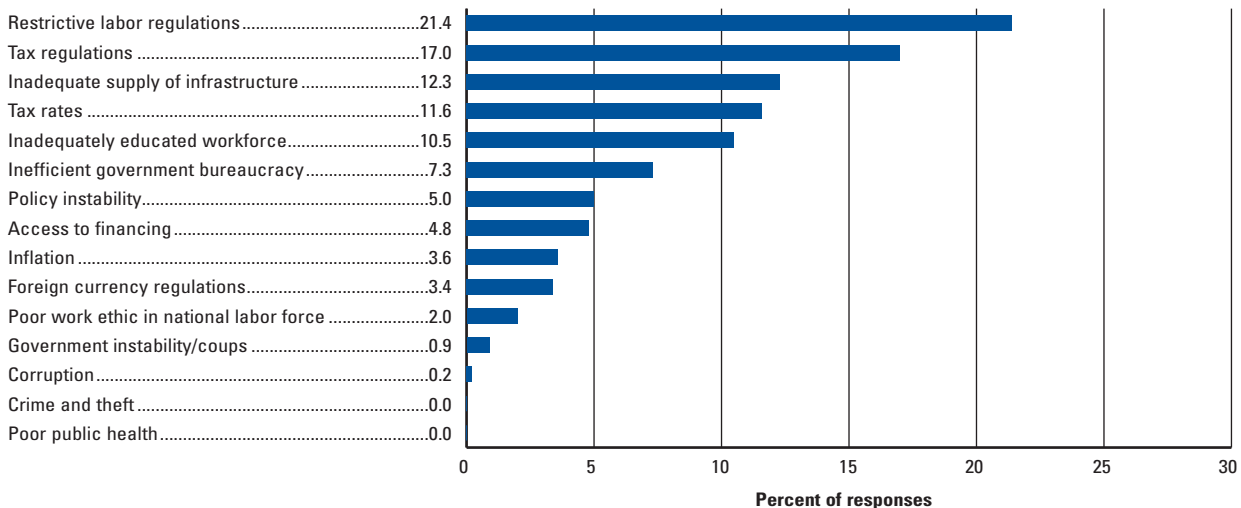
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>15</b>	<b>5.2</b>
GCI 2007–2008 (out of 131) .....	16	5.2
GCI 2006–2007 (out of 122) .....	17	5.2
<b>Basic requirements</b> .....	<b>14</b>	<b>5.8</b>
1st pillar: Institutions .....	7	5.9
2nd pillar: Infrastructure .....	27	5.0
3rd pillar: Macroeconomic stability .....	17	5.8
4th pillar: Health and primary education .....	12	6.3
<b>Efficiency enhancers</b> .....	<b>14</b>	<b>5.2</b>
5th pillar: Higher education and training .....	10	5.5
6th pillar: Goods market efficiency .....	20	5.0
7th pillar: Labor market efficiency .....	14	5.0
8th pillar: Financial market sophistication .....	13	5.5
9th pillar: Technological readiness .....	4	5.8
10th pillar: Market size .....	44	4.3
<b>Innovation and sophistication factors</b> .....	<b>18</b>	<b>4.9</b>
11th pillar: Business sophistication .....	15	5.2
12th pillar: Innovation .....	19	4.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	9 .....
1.02 Intellectual property protection .....	12 .....
1.03 Diversion of public funds .....	9 .....
1.04 Public trust of politicians .....	4 .....
1.05 Judicial independence .....	12 .....
1.06 Favoritism in decisions of government officials .....	6 .....
1.07 Wastefulness of government spending .....	22 .....
1.08 Burden of government regulation .....	49 .....
1.09 Efficiency of legal framework .....	6 .....
1.10 Transparency of government policymaking .....	8 .....
1.11 Business costs of terrorism .....	3 .....
1.12 Business costs of crime and violence .....	4 .....
1.13 Organized crime .....	1 .....
1.14 Reliability of police services .....	10 .....
1.15 Ethical behavior of firms .....	7 .....
1.16 Strength of auditing and reporting standards .....	11 .....
1.17 Efficacy of corporate boards .....	9 .....
1.18 Protection of minority shareholders' interests .....	3 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	28 .....
2.02 Quality of roads .....	48 .....
2.03 Quality of railroad infrastructure .....	31 .....
2.04 Quality of port infrastructure .....	12 .....
2.05 Quality of air transport infrastructure .....	10 .....
2.06 Available seat kilometers* .....	44 .....
2.07 Quality of electricity supply .....	10 .....
2.08 Telephone lines* .....	24 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	4 .....
3.02 National savings rate* .....	16 .....
3.03 Inflation* .....	7 .....
3.04 Interest rate spread* .....	7 .....
3.05 Government debt* .....	117 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	2 .....
4.02 Malaria incidence* .....	1 .....
4.03 Business impact of tuberculosis .....	4 .....
4.04 Tuberculosis incidence* .....	8 .....
4.05 Business impact of HIV/AIDS .....	1 .....
4.06 HIV prevalence* .....	23 .....
4.07 Infant mortality* .....	4 .....
4.08 Life expectancy* .....	12 .....
4.09 Quality of primary education .....	35 .....
4.10 Primary enrollment* .....	19 .....
4.11 Education expenditure* .....	9 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	8 .....
5.02 Tertiary enrollment* .....	10 .....
5.03 Quality of the educational system .....	11 .....
5.04 Quality of math and science education .....	56 .....
5.05 Quality of management schools .....	22 .....
5.06 Internet access in schools .....	20 .....
5.07 Local availability of research and training services .....	18 .....
5.08 Extent of staff training .....	7 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	21 .....
6.02 Extent of market dominance .....	21 .....
6.03 Effectiveness of anti-monopoly policy .....	9 .....
6.04 Extent and effect of taxation .....	55 .....
6.05 Total tax rate* .....	63 .....
6.06 No. of procedures required to start a business* .....	19 .....
6.07 Time required to start a business* .....	17 .....
6.08 Agricultural policy costs .....	101 .....
6.09 Prevalence of trade barriers .....	98 .....
6.10 Trade-weighted tariff rate* .....	54 .....
6.11 Prevalence of foreign ownership .....	56 .....
6.12 Business impact of rules on FDI .....	75 .....
6.13 Burden of customs procedures .....	13 .....
6.14 Degree of customer orientation .....	18 .....
6.15 Buyer sophistication .....	15 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	10 .....
7.02 Flexibility of wage determination .....	115 .....
7.03 Non-wage labor costs* .....	56 .....
7.04 Rigidity of employment* .....	98 .....
7.05 Hiring and firing practices .....	122 .....
7.06 Firing costs* .....	19 .....
7.07 Pay and productivity .....	74 .....
7.08 Reliance on professional management .....	5 .....
7.09 Brain drain .....	4 .....
7.10 Female participation in labor force* .....	12 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	19 .....
8.02 Financing through local equity market .....	7 .....
8.03 Ease of access to loans .....	3 .....
8.04 Venture capital availability .....	2 .....
8.05 Restriction on capital flows .....	55 .....
8.06 Strength of investor protection* .....	15 .....
8.07 Soundness of banks .....	14 .....
8.08 Regulation of securities exchanges .....	9 .....
8.09 Legal rights index* .....	29 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	6 .....
9.02 Firm-level technology absorption .....	9 .....
9.03 Laws relating to ICT .....	7 .....
9.04 FDI and technology transfer .....	32 .....
9.05 Mobile telephone subscribers* .....	17 .....
9.06 Internet users* .....	3 .....
9.07 Personal computers* .....	13 .....
9.08 Broadband Internet subscribers* .....	6 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	44 .....
10.02 Foreign market size* .....	42 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	22 .....
11.02 Local supplier quality .....	11 .....
11.03 State of cluster development .....	20 .....
11.04 Nature of competitive advantage .....	20 .....
11.05 Value chain breadth .....	39 .....
11.06 Control of international distribution .....	23 .....
11.07 Production process sophistication .....	12 .....
11.08 Extent of marketing .....	24 .....
11.09 Willingness to delegate authority .....	4 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	13 .....
12.02 Quality of scientific research institutions .....	22 .....
12.03 Company spending on R&D .....	19 .....
12.04 University-industry research collaboration .....	17 .....
12.05 Gov't procurement of advanced tech products .....	16 .....
12.06 Availability of scientists and engineers .....	18 .....
12.07 Utility patents* .....	19 .....

\* Hard data

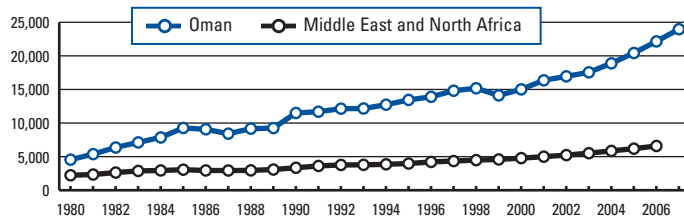
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Oman

## Key indicators

Total population (millions), 2007 .....	2.7
GDP (US\$ billions), 2007 .....	40.1
GDP per capita (US\$), 2007 .....	15,584.4
GDP (PPP) as share (%) of world total, 2007 .....	0.09

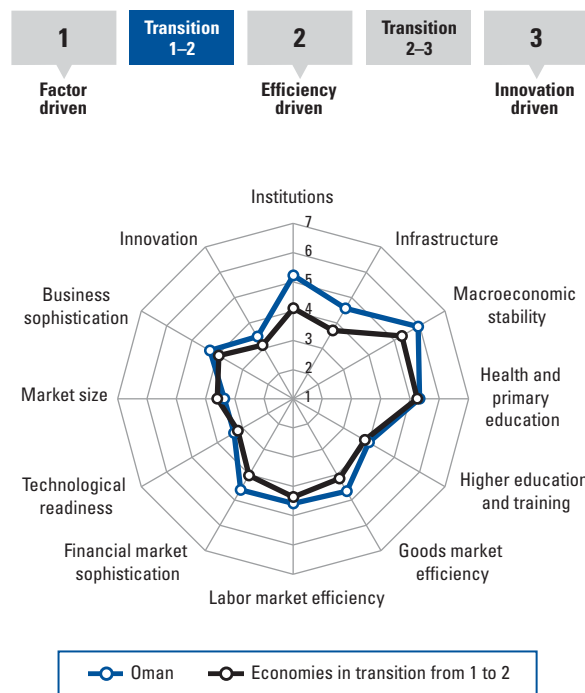
GDP (PPP US\$) per capita, 1980–2007



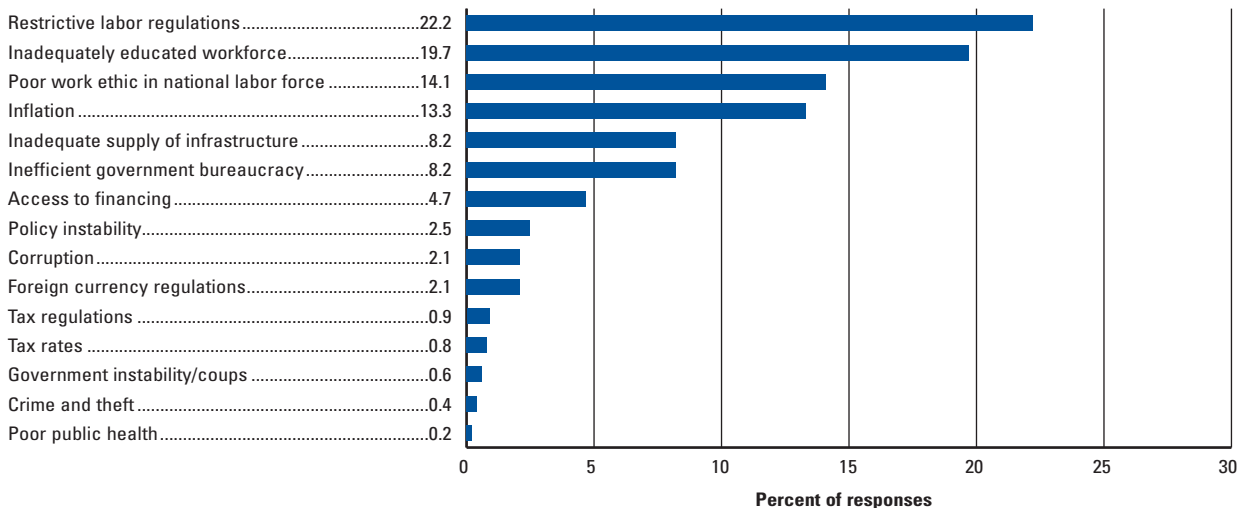
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>38</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	42	4.4
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>31</b>	<b>5.2</b>
1st pillar: Institutions .....	19	5.2
2nd pillar: Infrastructure .....	32	4.6
3rd pillar: Macroeconomic stability .....	13	5.9
4th pillar: Health and primary education .....	80	5.3
<b>Efficiency enhancers</b> .....	<b>61</b>	<b>4.1</b>
5th pillar: Higher education and training .....	66	4.0
6th pillar: Goods market efficiency .....	39	4.6
7th pillar: Labor market efficiency .....	44	4.6
8th pillar: Financial market sophistication .....	50	4.6
9th pillar: Technological readiness .....	68	3.3
10th pillar: Market size .....	75	3.4
<b>Innovation and sophistication factors</b> .....	<b>48</b>	<b>3.9</b>
11th pillar: Business sophistication .....	54	4.3
12th pillar: Innovation .....	44	3.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	41	6.01 Intensity of local competition	84
1.02 Intellectual property protection	30	6.02 Extent of market dominance	66
1.03 Diversion of public funds	20	6.03 Effectiveness of anti-monopoly policy	60
1.04 Public trust of politicians	13	6.04 Extent and effect of taxation	7
1.05 Judicial independence	34	6.05 Total tax rate*	7
1.06 Favoritism in decisions of government officials	17	6.06 No. of procedures required to start a business*	58
1.07 Wastefulness of government spending	6	6.07 Time required to start a business*	80
1.08 Burden of government regulation	7	6.08 Agricultural policy costs	8
1.09 Efficiency of legal framework	27	6.09 Prevalence of trade barriers	52
1.10 Transparency of government policymaking	18	6.10 Trade-weighted tariff rate*	60
1.11 Business costs of terrorism	51	6.11 Prevalence of foreign ownership	92
1.12 Business costs of crime and violence	20	6.12 Business impact of rules on FDI	84
1.13 Organized crime	33	6.13 Burden of customs procedures	23
1.14 Reliability of police services	27	6.14 Degree of customer orientation	41
1.15 Ethical behavior of firms	26	6.15 Buyer sophistication	43
1.16 Strength of auditing and reporting standards	55		
1.17 Efficacy of corporate boards	55	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	38	7.01 Cooperation in labor-employer relations	26
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	58
2.01 Quality of overall infrastructure	31	7.03 Non-wage labor costs*	35
2.02 Quality of roads	21	7.04 Rigidity of employment*	32
2.03 Quality of railroad infrastructure	n/a	7.05 Hiring and firing practices	58
2.04 Quality of port infrastructure	31	7.06 Firing costs*	7
2.05 Quality of air transport infrastructure	57	7.07 Pay and productivity	34
2.06 Available seat kilometers*	75	7.08 Reliance on professional management	44
2.07 Quality of electricity supply	37	7.09 Brain drain	32
2.08 Telephone lines*	89	7.10 Female participation in labor force*	132
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	6	8.01 Financial market sophistication	46
3.02 National savings rate*	26	8.02 Financing through local equity market	47
3.03 Inflation*	69	8.03 Ease of access to loans	17
3.04 Interest rate spread*	28	8.04 Venture capital availability	22
3.05 Government debt*	6	8.05 Restriction on capital flows	69
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	50
4.01 Business impact of malaria	83	8.07 Soundness of banks	84
4.02 Malaria incidence*	86	8.08 Regulation of securities exchanges	40
4.03 Business impact of tuberculosis	79	8.09 Legal rights index*	72
4.04 Tuberculosis incidence*	24	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	54	9.01 Availability of latest technologies	55
4.06 HIV prevalence*	23	9.02 Firm-level technology absorption	82
4.07 Infant mortality*	47	9.03 Laws relating to ICT	42
4.08 Life expectancy*	50	9.04 FDI and technology transfer	78
4.09 Quality of primary education	43	9.05 Mobile telephone subscribers*	62
4.10 Primary enrollment*	118	9.06 Internet users*	83
4.11 Education expenditure*	81	9.07 Personal computers*	71
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	76
5.01 Secondary enrollment*	62	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	77	10.01 Domestic market size*	78
5.03 Quality of the educational system	51	10.02 Foreign market size*	66
5.04 Quality of math and science education	83	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	97	11.01 Local supplier quantity	83
5.06 Internet access in schools	50	11.02 Local supplier quality	69
5.07 Local availability of research and training services	79	11.03 State of cluster development	49
5.08 Extent of staff training	49	11.04 Nature of competitive advantage	41
		11.05 Value chain breadth	44
		11.06 Control of international distribution	45
		11.07 Production process sophistication	31
		11.08 Extent of marketing	86
		11.09 Willingness to delegate authority	34
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	49
		12.02 Quality of scientific research institutions	59
		12.03 Company spending on R&D	44
		12.04 University-industry research collaboration	39
		12.05 Gov't procurement of advanced tech products	22
		12.06 Availability of scientists and engineers	95
		12.07 Utility patents*	88

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

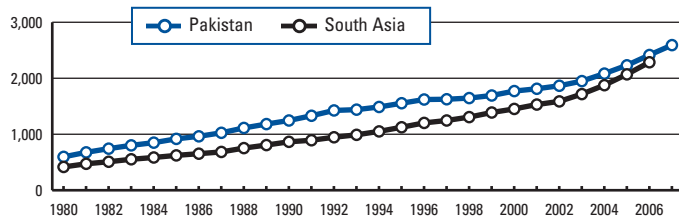


# Pakistan

## Key indicators

Total population (millions), 2007 .....	164.6
GDP (US\$ billions), 2007 .....	143.8
GDP per capita (US\$), 2007 .....	908.9
GDP (PPP) as share (%) of world total, 2007 .....	0.63

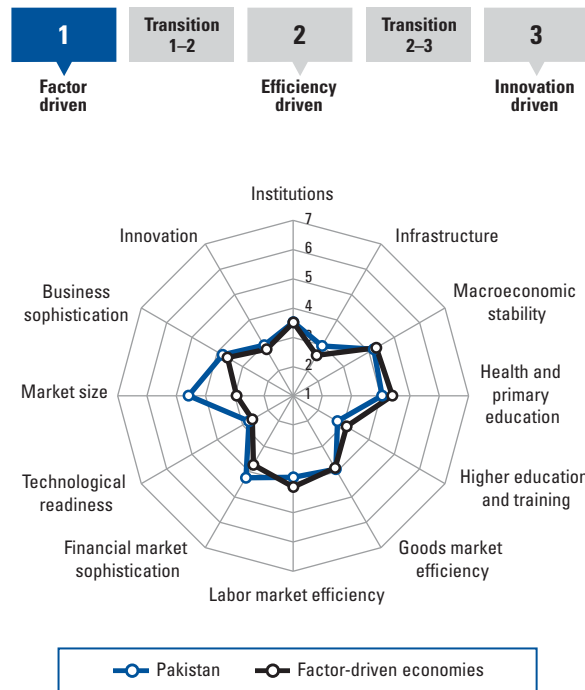
GDP (PPP US\$) per capita, 1980–2007



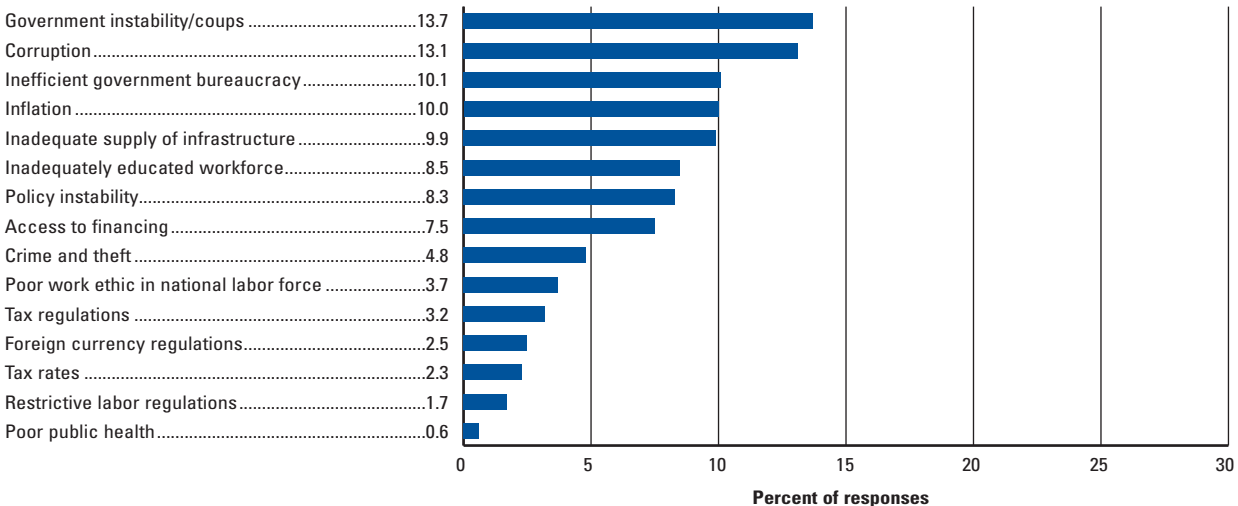
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>101</b>	<b>3.7</b>
GCI 2007–2008 (out of 131) .....	92	3.8
GCI 2006–2007 (out of 122) .....	83	3.8
<b>Basic requirements</b> .....	<b>110</b>	<b>3.7</b>
1st pillar: Institutions .....	95	3.5
2nd pillar: Infrastructure .....	85	3.0
3rd pillar: Macroeconomic stability .....	116	4.2
4th pillar: Health and primary education .....	116	4.0
<b>Efficiency enhancers</b> .....	<b>89</b>	<b>3.7</b>
5th pillar: Higher education and training .....	123	2.7
6th pillar: Goods market efficiency .....	100	3.9
7th pillar: Labor market efficiency .....	121	3.8
8th pillar: Financial market sophistication .....	71	4.2
9th pillar: Technological readiness .....	100	2.7
10th pillar: Market size .....	29	4.6
<b>Innovation and sophistication factors</b> .....	<b>85</b>	<b>3.4</b>
11th pillar: Business sophistication .....	87	3.8
12th pillar: Innovation .....	82	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	93	6.01 Intensity of local competition	112
1.02 Intellectual property protection	84	6.02 Extent of market dominance	91
1.03 Diversion of public funds	78	6.03 Effectiveness of anti-monopoly policy	67
1.04 Public trust of politicians	82	6.04 Extent and effect of taxation	42
1.05 Judicial independence	93	6.05 Total tax rate*	58
1.06 Favoritism in decisions of government officials	98	6.06 No. of procedures required to start a business*	91
1.07 Wastefulness of government spending	90	6.07 Time required to start a business*	51
1.08 Burden of government regulation	78	6.08 Agricultural policy costs	90
1.09 Efficiency of legal framework	94	6.09 Prevalence of trade barriers	115
1.10 Transparency of government policymaking	109	6.10 Trade-weighted tariff rate*	120
1.11 Business costs of terrorism	131	6.11 Prevalence of foreign ownership	73
1.12 Business costs of crime and violence	110	6.12 Business impact of rules on FDI	29
1.13 Organized crime	114	6.13 Burden of customs procedures	84
1.14 Reliability of police services	107	6.14 Degree of customer orientation	109
1.15 Ethical behavior of firms	67	6.15 Buyer sophistication	94
1.16 Strength of auditing and reporting standards	67		
1.17 Efficacy of corporate boards	126	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	58	7.01 Cooperation in labor-employer relations	88
		7.02 Flexibility of wage determination	95
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs*	35
2.01 Quality of overall infrastructure	83	7.04 Rigidity of employment*	84
2.02 Quality of roads	69	7.05 Hiring and firing practices	31
2.03 Quality of railroad infrastructure	53	7.06 Firing costs*	105
2.04 Quality of port infrastructure	78	7.07 Pay and productivity	69
2.05 Quality of air transport infrastructure	83	7.08 Reliance on professional management	104
2.06 Available seat kilometers*	47	7.09 Brain drain	92
2.07 Quality of electricity supply	120	7.10 Female participation in labor force*	127
2.08 Telephone lines*	108		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication	79
3.01 Government surplus/deficit*	118	8.02 Financing through local equity market	48
3.02 National savings rate*	91	8.03 Ease of access to loans	52
3.03 Inflation*	95	8.04 Venture capital availability	86
3.04 Interest rate spread*	87	8.05 Restriction on capital flows	70
3.05 Government debt*	93	8.06 Strength of investor protection*	19
		8.07 Soundness of banks	71
		8.08 Regulation of securities exchanges	89
		8.09 Legal rights index*	72
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria	108	9.01 Availability of latest technologies	88
4.02 Malaria incidence*	94	9.02 Firm-level technology absorption	84
4.03 Business impact of tuberculosis	108	9.03 Laws relating to ICT	86
4.04 Tuberculosis incidence*	102	9.04 FDI and technology transfer	81
4.05 Business impact of HIV/AIDS	94	9.05 Mobile telephone subscribers*	110
4.06 HIV prevalence*	23	9.06 Internet users*	96
4.07 Infant mortality*	119	9.07 Personal computers*	125
4.08 Life expectancy*	105	9.08 Broadband Internet subscribers*	114
4.09 Quality of primary education	117		
4.10 Primary enrollment*	122	<b>10th pillar: Market size</b>	
4.11 Education expenditure*	119	10.01 Domestic market size*	24
		10.02 Foreign market size*	57
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment*	121	11.01 Local supplier quantity	66
5.02 Tertiary enrollment*	118	11.02 Local supplier quality	93
5.03 Quality of the educational system	104	11.03 State of cluster development	66
5.04 Quality of math and science education	109	11.04 Nature of competitive advantage	106
5.05 Quality of management schools	94	11.05 Value chain breadth	78
5.06 Internet access in schools	81	11.06 Control of international distribution	97
5.07 Local availability of research and training services	103	11.07 Production process sophistication	110
5.08 Extent of staff training	119	11.08 Extent of marketing	102
		11.09 Willingness to delegate authority	74
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	73
		12.02 Quality of scientific research institutions	80
		12.03 Company spending on R&D	86
		12.04 University-industry research collaboration	82
		12.05 Gov't procurement of advanced tech products	91
		12.06 Availability of scientists and engineers	89
		12.07 Utility patents*	87

\* Hard data

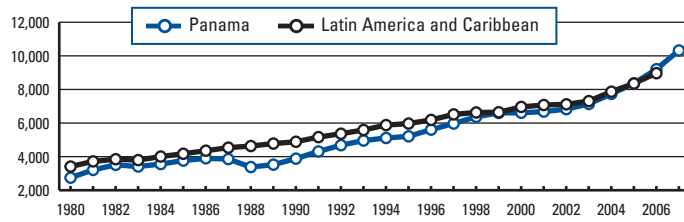
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Panama

## Key indicators

Total population (millions), 2007 .....	3.3
GDP (US\$ billions), 2007 .....	19.7
GDP per capita (US\$), 2007 .....	5,904.3
GDP (PPP) as share (%) of world total, 2007 .....	0.05

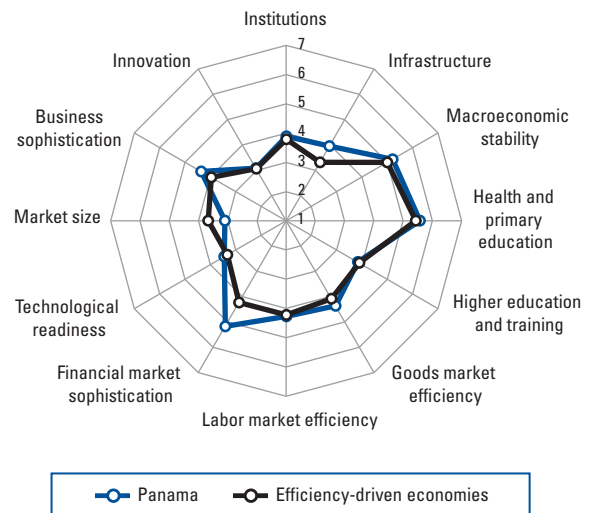
GDP (PPP US\$) per capita, 1980–2007



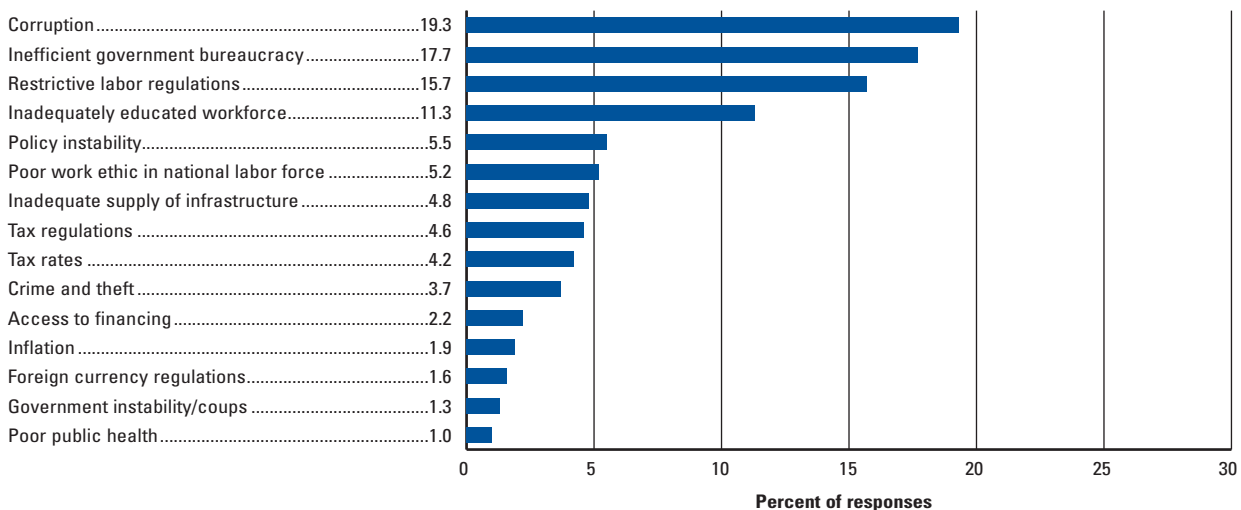
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>58</b>	<b>4.2</b>
GCI 2007–2008 (out of 131) .....	59	4.2
GCI 2006–2007 (out of 122) .....	60	4.1
<b>Basic requirements</b> .....	<b>54</b>	<b>4.6</b>
1st pillar: Institutions .....	70	3.9
2nd pillar: Infrastructure .....	55	3.9
3rd pillar: Macroeconomic stability .....	55	5.2
4th pillar: Health and primary education .....	64	5.6
<b>Efficiency enhancers</b> .....	<b>67</b>	<b>4.0</b>
5th pillar: Higher education and training .....	77	3.8
6th pillar: Goods market efficiency .....	57	4.4
7th pillar: Labor market efficiency .....	77	4.3
8th pillar: Financial market sophistication .....	26	5.2
9th pillar: Technological readiness .....	62	3.4
10th pillar: Market size .....	85	3.1
<b>Innovation and sophistication factors</b> .....	<b>58</b>	<b>3.7</b>
11th pillar: Business sophistication .....	51	4.4
12th pillar: Innovation .....	73	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	47	6.01 Intensity of local competition .....	72
1.02 Intellectual property protection .....	48	6.02 Extent of market dominance .....	56
1.03 Diversion of public funds .....	77	6.03 Effectiveness of anti-monopoly policy .....	49
1.04 Public trust of politicians .....	100	6.04 Extent and effect of taxation .....	76
1.05 Judicial independence .....	115	6.05 Total tax rate* .....	89
1.06 Favoritism in decisions of government officials .....	93	6.06 No. of procedures required to start a business* .....	34
1.07 Wastefulness of government spending .....	95	6.07 Time required to start a business* .....	41
1.08 Burden of government regulation .....	37	6.08 Agricultural policy costs .....	91
1.09 Efficiency of legal framework .....	96	6.09 Prevalence of trade barriers .....	84
1.10 Transparency of government policymaking .....	65	6.10 Trade-weighted tariff rate* .....	64
1.11 Business costs of terrorism .....	70	6.11 Prevalence of foreign ownership .....	20
1.12 Business costs of crime and violence .....	81	6.12 Business impact of rules on FDI .....	18
1.13 Organized crime .....	70	6.13 Burden of customs procedures .....	48
1.14 Reliability of police services .....	100	6.14 Degree of customer orientation .....	87
1.15 Ethical behavior of firms .....	59	6.15 Buyer sophistication .....	53
1.16 Strength of auditing and reporting standards .....	47	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	48	7.01 Cooperation in labor-employer relations .....	80
1.18 Protection of minority shareholders' interests .....	73	7.02 Flexibility of wage determination .....	66
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	80
2.01 Quality of overall infrastructure .....	54	7.04 Rigidity of employment* .....	126
2.02 Quality of roads .....	57	7.05 Hiring and firing practices .....	105
2.03 Quality of railroad infrastructure .....	64	7.06 Firing costs* .....	76
2.04 Quality of port infrastructure .....	15	7.07 Pay and productivity .....	73
2.05 Quality of air transport infrastructure .....	30	7.08 Reliance on professional management .....	67
2.06 Available seat kilometers* .....	64	7.09 Brain drain .....	21
2.07 Quality of electricity supply .....	55	7.10 Female participation in labor force* .....	87
2.08 Telephone lines* .....	75	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	27
3.01 Government surplus/deficit* .....	39	8.02 Financing through local equity market .....	28
3.02 National savings rate* .....	87	8.03 Ease of access to loans .....	21
3.03 Inflation* .....	59	8.04 Venture capital availability .....	28
3.04 Interest rate spread* .....	35	8.05 Restriction on capital flows .....	22
3.05 Government debt* .....	91	8.06 Strength of investor protection* .....	81
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	27
4.01 Business impact of malaria .....	61	8.08 Regulation of securities exchanges .....	17
4.02 Malaria incidence* .....	104	8.09 Legal rights index* .....	29
4.03 Business impact of tuberculosis .....	36	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	62	9.01 Availability of latest technologies .....	68
4.05 Business impact of HIV/AIDS .....	70	9.02 Firm-level technology absorption .....	56
4.06 HIV prevalence* .....	101	9.03 Laws relating to ICT .....	50
4.07 Infant mortality* .....	73	9.04 FDI and technology transfer .....	19
4.08 Life expectancy* .....	40	9.05 Mobile telephone subscribers* .....	67
4.09 Quality of primary education .....	109	9.06 Internet users* .....	72
4.10 Primary enrollment* .....	15	9.07 Personal computers* .....	87
4.11 Education expenditure* .....	57	9.08 Broadband Internet subscribers* .....	71
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	93	10.01 Domestic market size* .....	92
5.02 Tertiary enrollment* .....	47	10.02 Foreign market size* .....	73
5.03 Quality of the educational system .....	108	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	112	11.01 Local supplier quantity .....	68
5.05 Quality of management schools .....	91	11.02 Local supplier quality .....	53
5.06 Internet access in schools .....	80	11.03 State of cluster development .....	45
5.07 Local availability of research and training services .....	65	11.04 Nature of competitive advantage .....	32
5.08 Extent of staff training .....	58	11.05 Value chain breadth .....	62
		11.06 Control of international distribution .....	65
		11.07 Production process sophistication .....	63
		11.08 Extent of marketing .....	26
		11.09 Willingness to delegate authority .....	50
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	102
		12.02 Quality of scientific research institutions .....	87
		12.03 Company spending on R&D .....	63
		12.04 University-industry research collaboration .....	74
		12.05 Gov't procurement of advanced tech products .....	52
		12.06 Availability of scientists and engineers .....	91
		12.07 Utility patents* .....	88

\* Hard data

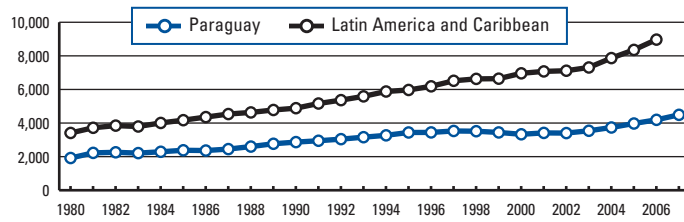
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Paraguay

## Key indicators

Total population (millions), 2007 .....	6.4
GDP (US\$ billions), 2007 .....	10.9
GDP per capita (US\$), 2007 .....	1,801.8
GDP (PPP) as share (%) of world total, 2007 .....	0.04

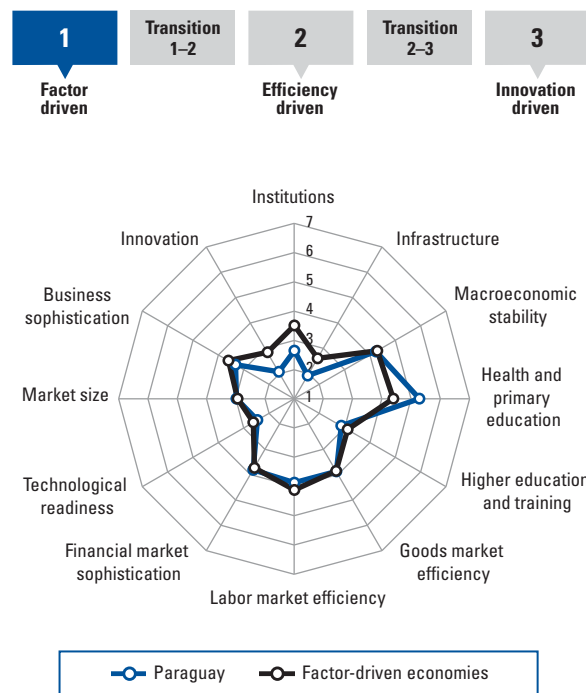
GDP (PPP US\$) per capita, 1980–2007



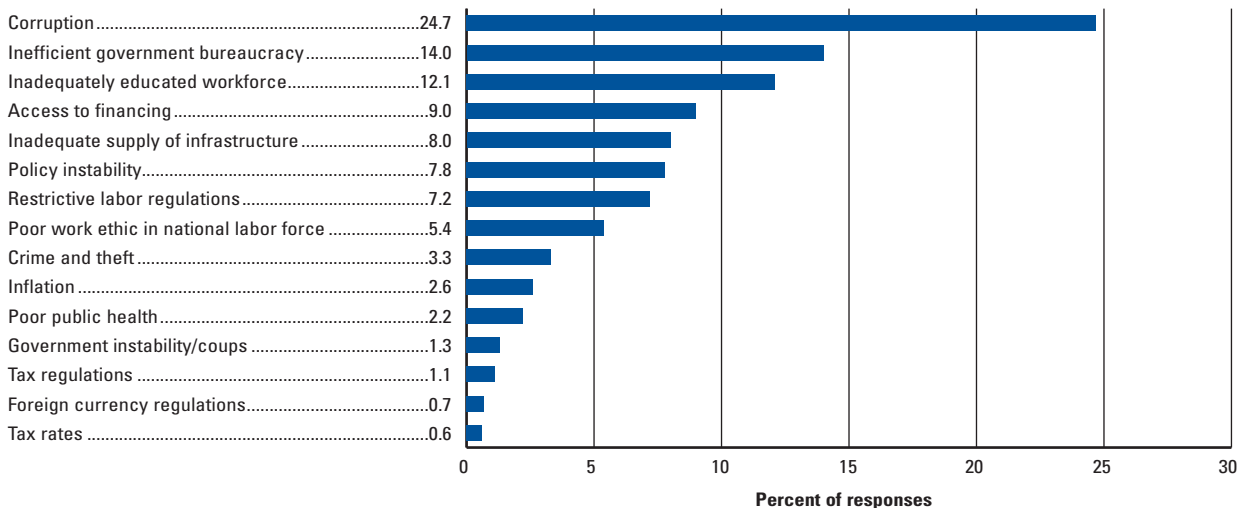
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>124</b>	<b>3.4</b>
GCI 2007–2008 (out of 131) .....	121	3.3
GCI 2006–2007 (out of 122) .....	107	3.4
<b>Basic requirements</b> .....	<b>123</b>	<b>3.5</b>
1st pillar: Institutions .....	132	2.6
2nd pillar: Infrastructure .....	130	1.9
3rd pillar: Macroeconomic stability .....	113	4.2
4th pillar: Health and primary education .....	85	5.3
<b>Efficiency enhancers</b> .....	<b>111</b>	<b>3.3</b>
5th pillar: Higher education and training .....	117	2.8
6th pillar: Goods market efficiency .....	104	3.9
7th pillar: Labor market efficiency .....	117	3.9
8th pillar: Financial market sophistication .....	96	3.8
9th pillar: Technological readiness .....	119	2.5
10th pillar: Market size .....	93	3.0
<b>Innovation and sophistication factors</b> .....	<b>132</b>	<b>2.7</b>
11th pillar: Business sophistication .....	118	3.3
12th pillar: Innovation .....	134	2.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	129 ■	6.01 Intensity of local competition .....	117 ■
1.02 Intellectual property protection .....	127 ■	6.02 Extent of market dominance .....	100 ■
1.03 Diversion of public funds .....	132 ■	6.03 Effectiveness of anti-monopoly policy .....	130 ■
1.04 Public trust of politicians .....	134 ■	6.04 Extent and effect of taxation .....	22 ■
1.05 Judicial independence .....	133 ■	6.05 Total tax rate* .....	35 ■
1.06 Favoritism in decisions of government officials .....	134 ■	6.06 No. of procedures required to start a business* .....	34 ■
1.07 Wastefulness of government spending .....	132 ■	6.07 Time required to start a business* .....	83 ■
1.08 Burden of government regulation .....	59 ■	6.08 Agricultural policy costs .....	73 ■
1.09 Efficiency of legal framework .....	133 ■	6.09 Prevalence of trade barriers .....	91 ■
1.10 Transparency of government policymaking .....	126 ■	6.10 Trade-weighted tariff rate* .....	68 ■
1.11 Business costs of terrorism .....	66 ■	6.11 Prevalence of foreign ownership .....	116 ■
1.12 Business costs of crime and violence .....	122 ■	6.12 Business impact of rules on FDI .....	119 ■
1.13 Organized crime .....	119 ■	6.13 Burden of customs procedures .....	75 ■
1.14 Reliability of police services .....	133 ■	6.14 Degree of customer orientation .....	89 ■
1.15 Ethical behavior of firms .....	134 ■	6.15 Buyer sophistication .....	122 ■
1.16 Strength of auditing and reporting standards .....	128 ■	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	122 ■	7.01 Cooperation in labor-employer relations .....	99 ■
1.18 Protection of minority shareholders' interests .....	113 ■	7.02 Flexibility of wage determination .....	59 ■
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	69 ■
2.01 Quality of overall infrastructure .....	132 ■	7.04 Rigidity of employment* .....	117 ■
2.02 Quality of roads .....	129 ■	7.05 Hiring and firing practices .....	99 ■
2.03 Quality of railroad infrastructure .....	120 ■	7.06 Firing costs* .....	118 ■
2.04 Quality of port infrastructure .....	68 ■	7.07 Pay and productivity .....	108 ■
2.05 Quality of air transport infrastructure .....	134 ■	7.08 Reliance on professional management .....	123 ■
2.06 Available seat kilometers* .....	119 ■	7.09 Brain drain .....	97 ■
2.07 Quality of electricity supply .....	115 ■	7.10 Female participation in labor force* .....	56 ■
2.08 Telephone lines* .....	102 ■	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	121 ■
3.01 Government surplus/deficit* .....	42 ■	8.02 Financing through local equity market .....	81 ■
3.02 National savings rate* .....	57 ■	8.03 Ease of access to loans .....	106 ■
3.03 Inflation* .....	101 ■	8.04 Venture capital availability .....	124 ■
3.04 Interest rate spread* .....	128 ■	8.05 Restriction on capital flows .....	61 ■
3.05 Government debt* .....	52 ■	8.06 Strength of investor protection* .....	39 ■
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	86 ■
4.01 Business impact of malaria .....	96 ■	8.08 Regulation of securities exchanges .....	77 ■
4.02 Malaria incidence* .....	83 ■	8.09 Legal rights index* .....	93 ■
4.03 Business impact of tuberculosis .....	84 ■	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	74 ■	9.01 Availability of latest technologies .....	129 ■
4.05 Business impact of HIV/AIDS .....	89 ■	9.02 Firm-level technology absorption .....	123 ■
4.06 HIV prevalence* .....	86 ■	9.03 Laws relating to ICT .....	131 ■
4.07 Infant mortality* .....	74 ■	9.04 FDI and technology transfer .....	124 ■
4.08 Life expectancy* .....	42 ■	9.05 Mobile telephone subscribers* .....	82 ■
4.09 Quality of primary education .....	131 ■	9.06 Internet users* .....	113 ■
4.10 Primary enrollment* .....	59 ■	9.07 Personal computers* .....	69 ■
4.11 Education expenditure* .....	69 ■	9.08 Broadband Internet subscribers* .....	88 ■
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	98 ■	10.01 Domestic market size* .....	94 ■
5.02 Tertiary enrollment* .....	75 ■	10.02 Foreign market size* .....	82 ■
5.03 Quality of the educational system .....	134 ■	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	130 ■	11.01 Local supplier quantity .....	112 ■
5.05 Quality of management schools .....	127 ■	11.02 Local supplier quality .....	107 ■
5.06 Internet access in schools .....	134 ■	11.03 State of cluster development .....	122 ■
5.07 Local availability of research and training services .....	131 ■	11.04 Nature of competitive advantage .....	131 ■
5.08 Extent of staff training .....	129 ■	11.05 Value chain breadth .....	122 ■
		11.06 Control of international distribution .....	129 ■
		11.07 Production process sophistication .....	117 ■
		11.08 Extent of marketing .....	93 ■
		11.09 Willingness to delegate authority .....	88 ■
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	129 ■
		12.02 Quality of scientific research institutions .....	134 ■
		12.03 Company spending on R&D .....	131 ■
		12.04 University-industry research collaboration .....	133 ■
		12.05 Gov't procurement of advanced tech products .....	132 ■
		12.06 Availability of scientists and engineers .....	131 ■
		12.07 Utility patents* .....	88 ■

\* Hard data

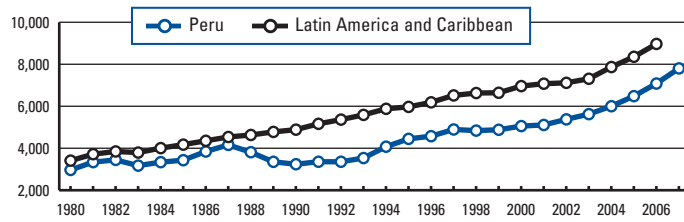
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Peru

## Key indicators

Total population (millions), 2007 .....	28.8
GDP (US\$ billions), 2007 .....	109.1
GDP per capita (US\$), 2007 .....	3,885.9
GDP (PPP) as share (%) of world total, 2007 .....	0.33

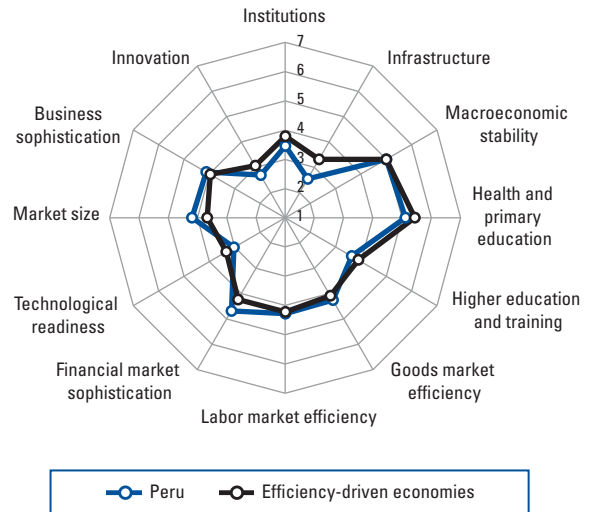
GDP (PPP US\$) per capita, 1980–2007



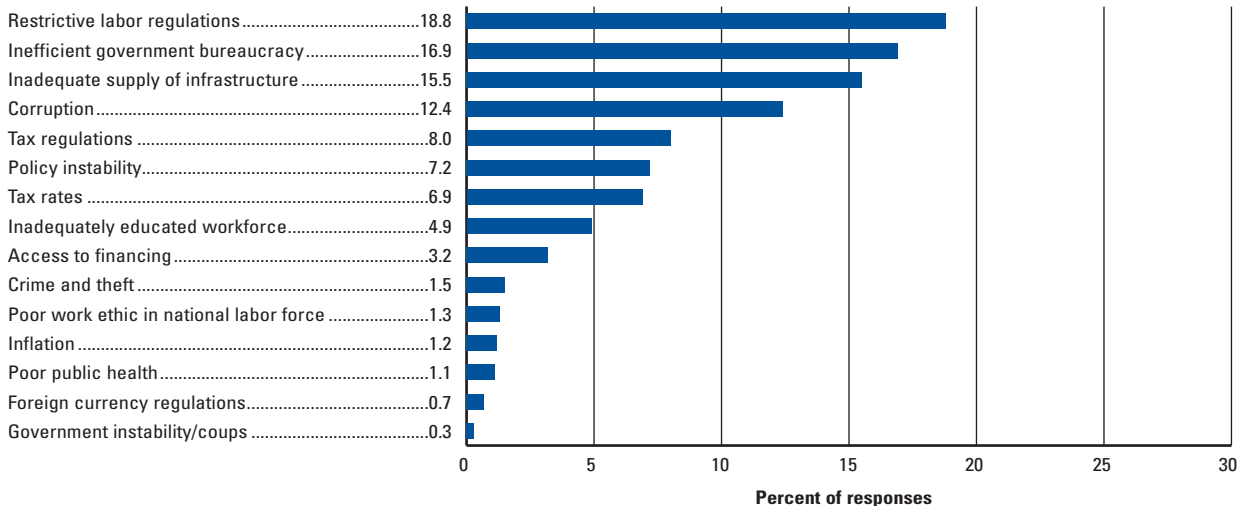
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>83</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	86	3.9
GCI 2006–2007 (out of 122) .....	78	3.9
<b>Basic requirements</b> .....	<b>94</b>	<b>4.0</b>
1st pillar: Institutions .....	101	3.5
2nd pillar: Infrastructure .....	110	2.5
3rd pillar: Macroeconomic stability .....	67	5.0
4th pillar: Health and primary education .....	95	5.1
<b>Efficiency enhancers</b> .....	<b>69</b>	<b>4.0</b>
5th pillar: Higher education and training .....	89	3.6
6th pillar: Goods market efficiency .....	61	4.2
7th pillar: Labor market efficiency .....	75	4.3
8th pillar: Financial market sophistication .....	45	4.7
9th pillar: Technological readiness .....	87	3.0
10th pillar: Market size .....	50	4.2
<b>Innovation and sophistication factors</b> .....	<b>83</b>	<b>3.4</b>
11th pillar: Business sophistication .....	67	4.1
12th pillar: Innovation .....	110	2.7

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	102	6.01 Intensity of local competition .....	47
1.02 Intellectual property protection .....	121	6.02 Extent of market dominance .....	81
1.03 Diversion of public funds .....	70	6.03 Effectiveness of anti-monopoly policy .....	63
1.04 Public trust of politicians .....	102	6.04 Extent and effect of taxation .....	74
1.05 Judicial independence .....	114	6.05 Total tax rate* .....	62
1.06 Favoritism in decisions of government officials .....	79	6.06 No. of procedures required to start a business* .....	75
1.07 Wastefulness of government spending .....	63	6.07 Time required to start a business* .....	114
1.08 Burden of government regulation .....	123	6.08 Agricultural policy costs .....	51
1.09 Efficiency of legal framework .....	115	6.09 Prevalence of trade barriers .....	59
1.10 Transparency of government policymaking .....	96	6.10 Trade-weighted tariff rate* .....	79
1.11 Business costs of terrorism .....	102	6.11 Prevalence of foreign ownership .....	19
1.12 Business costs of crime and violence .....	113	6.12 Business impact of rules on FDI .....	30
1.13 Organized crime .....	99	6.13 Burden of customs procedures .....	94
1.14 Reliability of police services .....	123	6.14 Degree of customer orientation .....	65
1.15 Ethical behavior of firms .....	92	6.15 Buyer sophistication .....	49
1.16 Strength of auditing and reporting standards .....	68	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	50	7.01 Cooperation in labor-employer relations .....	87
1.18 Protection of minority shareholders' interests .....	65	7.02 Flexibility of wage determination .....	28
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	30
2.01 Quality of overall infrastructure .....	113	7.04 Rigidity of employment* .....	112
2.02 Quality of roads .....	99	7.05 Hiring and firing practices .....	94
2.03 Quality of railroad infrastructure .....	90	7.06 Firing costs* .....	81
2.04 Quality of port infrastructure .....	127	7.07 Pay and productivity .....	92
2.05 Quality of air transport infrastructure .....	94	7.08 Reliance on professional management .....	57
2.06 Available seat kilometers* .....	48	7.09 Brain drain .....	69
2.07 Quality of electricity supply .....	69	7.10 Female participation in labor force* .....	71
2.08 Telephone lines* .....	96	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	54
3.01 Government surplus/deficit* .....	27	8.02 Financing through local equity market .....	52
3.02 National savings rate* .....	43	8.03 Ease of access to loans .....	53
3.03 Inflation* .....	16	8.04 Venture capital availability .....	56
3.04 Interest rate spread* .....	126	8.05 Restriction on capital flows .....	29
3.05 Government debt* .....	48	8.06 Strength of investor protection* .....	15
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	42
4.01 Business impact of malaria .....	81	8.08 Regulation of securities exchanges .....	35
4.02 Malaria incidence* .....	105	8.09 Legal rights index* .....	72
4.03 Business impact of tuberculosis .....	94	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	97	9.01 Availability of latest technologies .....	113
4.05 Business impact of HIV/AIDS .....	81	9.02 Firm-level technology absorption .....	89
4.06 HIV prevalence* .....	79	9.03 Laws relating to ICT .....	82
4.07 Infant mortality* .....	80	9.04 FDI and technology transfer .....	44
4.08 Life expectancy* .....	55	9.05 Mobile telephone subscribers* .....	95
4.09 Quality of primary education .....	133	9.06 Internet users* .....	56
4.10 Primary enrollment* .....	42	9.07 Personal computers* .....	61
4.11 Education expenditure* .....	111	9.08 Broadband Internet subscribers* .....	63
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	46	10.01 Domestic market size* .....	45
5.02 Tertiary enrollment* .....	58	10.02 Foreign market size* .....	55
5.03 Quality of the educational system .....	133	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	133	11.01 Local supplier quantity .....	52
5.05 Quality of management schools .....	57	11.02 Local supplier quality .....	54
5.06 Internet access in schools .....	87	11.03 State of cluster development .....	73
5.07 Local availability of research and training services .....	86	11.04 Nature of competitive advantage .....	93
5.08 Extent of staff training .....	93	11.05 Value chain breadth .....	79
		11.06 Control of international distribution .....	74
		11.07 Production process sophistication .....	79
		11.08 Extent of marketing .....	54
		11.09 Willingness to delegate authority .....	61
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	86
		12.02 Quality of scientific research institutions .....	121
		12.03 Company spending on R&D .....	80
		12.04 University-industry research collaboration .....	107
		12.05 Gov't procurement of advanced tech products .....	112
		12.06 Availability of scientists and engineers .....	103
		12.07 Utility patents* .....	77

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

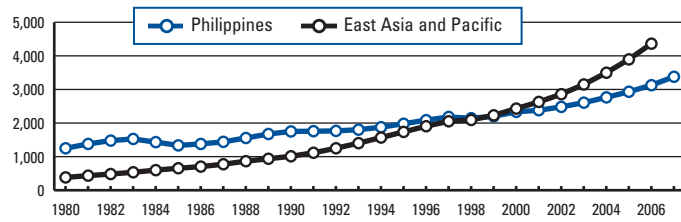


# Philippines

## Key indicators

Total population (millions), 2007 .....	85.9
GDP (US\$ billions), 2007 .....	144.1
GDP per capita (US\$), 2007 .....	1,624.7
GDP (PPP) as share (%) of world total, 2007 .....	0.46

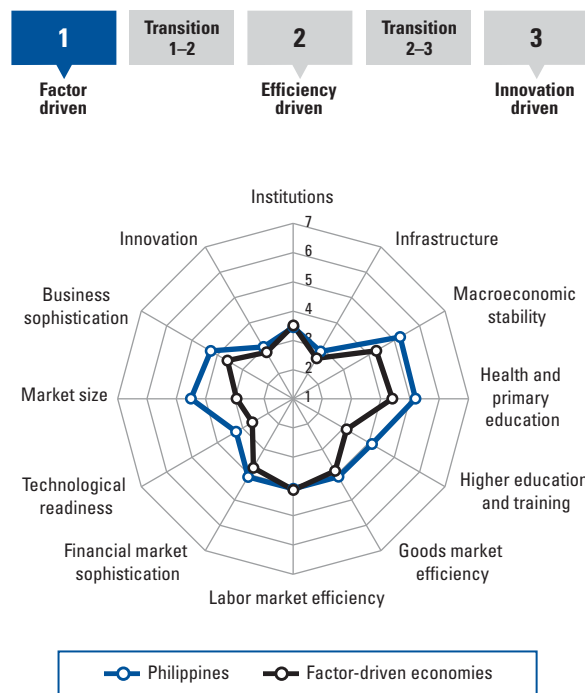
GDP (PPP US\$) per capita, 1980–2007



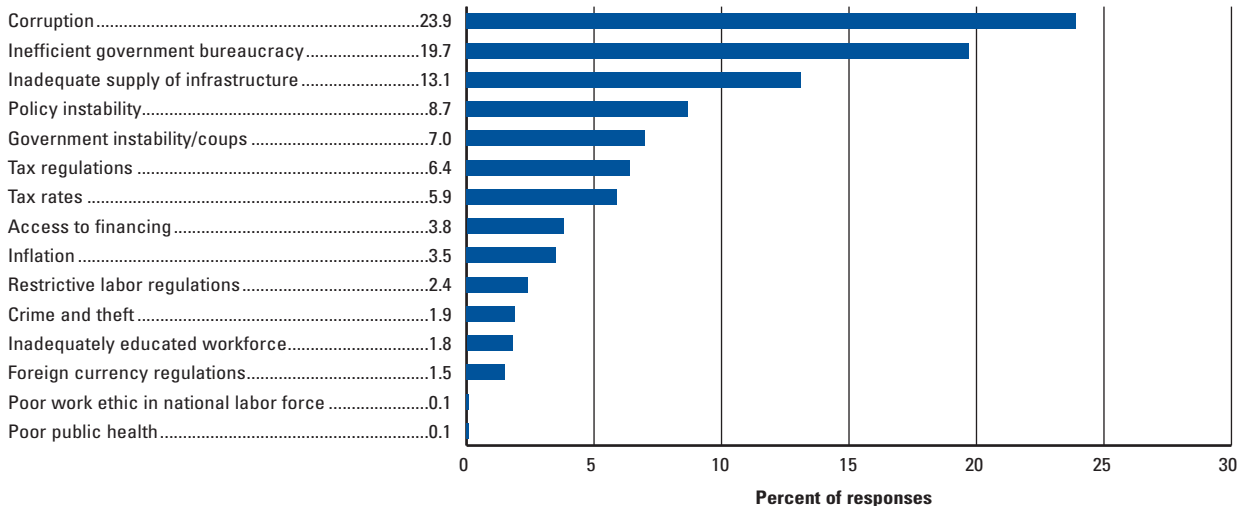
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>71</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	71	4.0
GCI 2006–2007 (out of 122) .....	75	4.0
<b>Basic requirements</b> .....	<b>85</b>	<b>4.2</b>
1st pillar: Institutions .....	105	3.4
2nd pillar: Infrastructure .....	92	2.9
3rd pillar: Macroeconomic stability .....	53	5.2
4th pillar: Health and primary education .....	90	5.2
<b>Efficiency enhancers</b> .....	<b>68</b>	<b>4.0</b>
5th pillar: Higher education and training .....	60	4.1
6th pillar: Goods market efficiency .....	81	4.1
7th pillar: Labor market efficiency .....	101	4.1
8th pillar: Financial market sophistication .....	78	4.1
9th pillar: Technological readiness .....	70	3.3
10th pillar: Market size .....	34	4.5
<b>Innovation and sophistication factors</b> .....	<b>67</b>	<b>3.7</b>
11th pillar: Business sophistication .....	57	4.3
12th pillar: Innovation .....	76	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	92
1.02 Intellectual property protection	89
1.03 Diversion of public funds	117
1.04 Public trust of politicians	123
1.05 Judicial independence	83
1.06 Favoritism in decisions of government officials	117
1.07 Wastefulness of government spending	120
1.08 Burden of government regulation	109
1.09 Efficiency of legal framework	104
1.10 Transparency of government policymaking	85
1.11 Business costs of terrorism	125
1.12 Business costs of crime and violence	93
1.13 Organized crime	92
1.14 Reliability of police services	98
1.15 Ethical behavior of firms	102
1.16 Strength of auditing and reporting standards	46
1.17 Efficacy of corporate boards	53
1.18 Protection of minority shareholders' interests	54
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	94
2.02 Quality of roads	94
2.03 Quality of railroad infrastructure	85
2.04 Quality of port infrastructure	100
2.05 Quality of air transport infrastructure	89
2.06 Available seat kilometers*	29
2.07 Quality of electricity supply	82
2.08 Telephone lines*	105
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	64
3.02 National savings rate*	84
3.03 Inflation*	42
3.04 Interest rate spread*	64
3.05 Government debt*	96
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	87
4.02 Malaria incidence*	91
4.03 Business impact of tuberculosis	102
4.04 Tuberculosis incidence*	115
4.05 Business impact of HIV/AIDS	61
4.06 HIV prevalence*	1
4.07 Infant mortality*	83
4.08 Life expectancy*	89
4.09 Quality of primary education	72
4.10 Primary enrollment*	76
4.11 Education expenditure*	113
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	79
5.02 Tertiary enrollment*	72
5.03 Quality of the educational system	46
5.04 Quality of math and science education	100
5.05 Quality of management schools	31
5.06 Internet access in schools	56
5.07 Local availability of research and training services	51
5.08 Extent of staff training	30

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	74
6.02 Extent of market dominance	104
6.03 Effectiveness of anti-monopoly policy	77
6.04 Extent and effect of taxation	65
6.05 Total tax rate*	99
6.06 No. of procedures required to start a business*	120
6.07 Time required to start a business*	107
6.08 Agricultural policy costs	76
6.09 Prevalence of trade barriers	95
6.10 Trade-weighted tariff rate*	52
6.11 Prevalence of foreign ownership	98
6.12 Business impact of rules on FDI	97
6.13 Burden of customs procedures	105
6.14 Degree of customer orientation	37
6.15 Buyer sophistication	50
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	71
7.02 Flexibility of wage determination	108
7.03 Non-wage labor costs*	24
7.04 Rigidity of employment*	61
7.05 Hiring and firing practices	101
7.06 Firing costs*	108
7.07 Pay and productivity	57
7.08 Reliance on professional management	40
7.09 Brain drain	116
7.10 Female participation in labor force*	86
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	57
8.02 Financing through local equity market	54
8.03 Ease of access to loans	89
8.04 Venture capital availability	77
8.05 Restriction on capital flows	75
8.06 Strength of investor protection*	107
8.07 Soundness of banks	72
8.08 Regulation of securities exchanges	66
8.09 Legal rights index*	93
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	52
9.02 Firm-level technology absorption	49
9.03 Laws relating to ICT	60
9.04 FDI and technology transfer	50
9.05 Mobile telephone subscribers*	84
9.06 Internet users*	101
9.07 Personal computers*	70
9.08 Broadband Internet subscribers*	96
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	33
10.02 Foreign market size*	40
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	77
11.02 Local supplier quality	64
11.03 State of cluster development	56
11.04 Nature of competitive advantage	49
11.05 Value chain breadth	47
11.06 Control of international distribution	67
11.07 Production process sophistication	77
11.08 Extent of marketing	42
11.09 Willingness to delegate authority	31
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	63
12.02 Quality of scientific research institutions	86
12.03 Company spending on R&D	47
12.04 University-industry research collaboration	63
12.05 Gov't procurement of advanced tech products	110
12.06 Availability of scientists and engineers	92
12.07 Utility patents*	68

\* Hard data

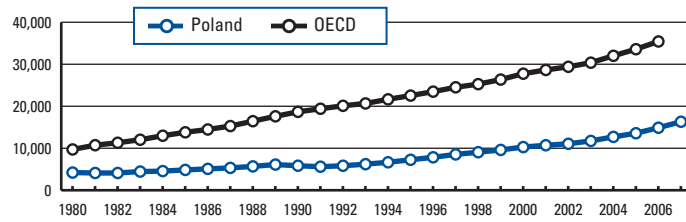
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Poland

## Key indicators

Total population (millions), 2007 .....	38.5
GDP (US\$ billions), 2007 .....	420.3
GDP per capita (US\$), 2007 .....	11,041.2
GDP (PPP) as share (%) of world total, 2007 .....	0.96

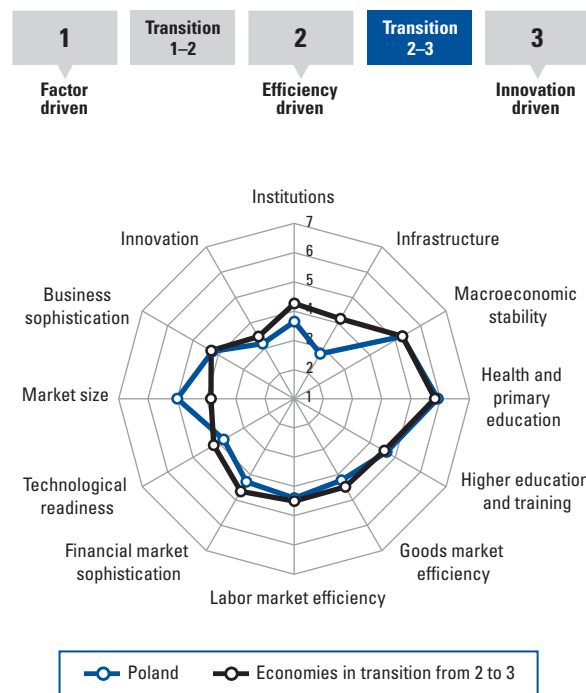
GDP (PPP US\$) per capita, 1980–2007



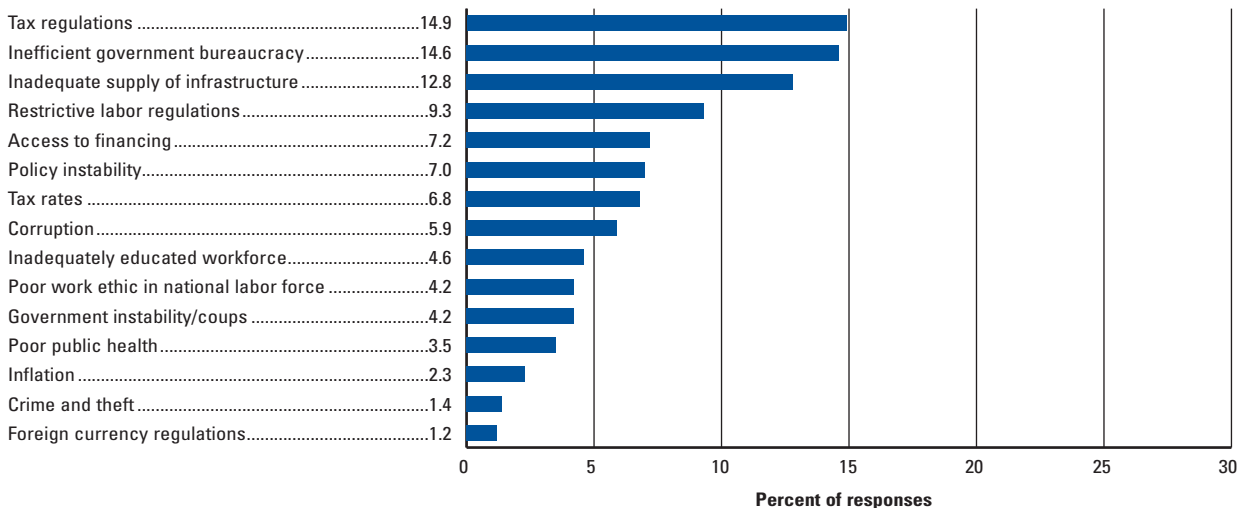
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>53</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	51	4.3
GCI 2006–2007 (out of 122) .....	45	4.4
<b>Basic requirements</b> .....	<b>70</b>	<b>4.4</b>
1st pillar: Institutions .....	88	3.6
2nd pillar: Infrastructure .....	96	2.8
3rd pillar: Macroeconomic stability .....	50	5.3
4th pillar: Health and primary education .....	39	5.9
<b>Efficiency enhancers</b> .....	<b>41</b>	<b>4.4</b>
5th pillar: Higher education and training .....	34	4.6
6th pillar: Goods market efficiency .....	65	4.2
7th pillar: Labor market efficiency .....	62	4.4
8th pillar: Financial market sophistication .....	68	4.3
9th pillar: Technological readiness .....	46	3.8
10th pillar: Market size .....	20	5.0
<b>Innovation and sophistication factors</b> .....	<b>61</b>	<b>3.7</b>
11th pillar: Business sophistication .....	62	4.2
12th pillar: Innovation .....	64	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	94	6.01 Intensity of local competition	40
1.02 Intellectual property protection	76	6.02 Extent of market dominance	50
1.03 Diversion of public funds	72	6.03 Effectiveness of anti-monopoly policy	61
1.04 Public trust of politicians	113	6.04 Extent and effect of taxation	128
1.05 Judicial independence	73	6.05 Total tax rate*	50
1.06 Favoritism in decisions of government officials	105	6.06 No. of procedures required to start a business*	75
1.07 Wastefulness of government spending	115	6.07 Time required to start a business*	70
1.08 Burden of government regulation	127	6.08 Agricultural policy costs	129
1.09 Efficiency of legal framework	109	6.09 Prevalence of trade barriers	65
1.10 Transparency of government policymaking	128	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	85	6.11 Prevalence of foreign ownership	77
1.12 Business costs of crime and violence	95	6.12 Business impact of rules on FDI	99
1.13 Organized crime	96	6.13 Burden of customs procedures	64
1.14 Reliability of police services	86	6.14 Degree of customer orientation	72
1.15 Ethical behavior of firms	47	6.15 Buyer sophistication	60
1.16 Strength of auditing and reporting standards	74		
1.17 Efficacy of corporate boards	101	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	76	7.01 Cooperation in labor-employer relations	110
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	30
2.01 Quality of overall infrastructure	110	7.03 Non-wage labor costs*	89
2.02 Quality of roads	127	7.04 Rigidity of employment*	65
2.03 Quality of railroad infrastructure	61	7.05 Hiring and firing practices	71
2.04 Quality of port infrastructure	119	7.06 Firing costs*	19
2.05 Quality of air transport infrastructure	103	7.07 Pay and productivity	80
2.06 Available seat kilometers*	49	7.08 Reliance on professional management	71
2.07 Quality of electricity supply	54	7.09 Brain drain	99
2.08 Telephone lines*	41	7.10 Female participation in labor force*	43
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	88	8.01 Financial market sophistication	78
3.02 National savings rate*	78	8.02 Financing through local equity market	59
3.03 Inflation*	38	8.03 Ease of access to loans	68
3.04 Interest rate spread*	20	8.04 Venture capital availability	50
3.05 Government debt*	80	8.05 Restriction on capital flows	66
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	26
4.01 Business impact of malaria	24	8.07 Soundness of banks	97
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	63
4.03 Business impact of tuberculosis	58	8.09 Legal rights index*	72
4.04 Tuberculosis incidence*	44	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	50	9.01 Availability of latest technologies	75
4.06 HIV prevalence*	23	9.02 Firm-level technology absorption	72
4.07 Infant mortality*	31	9.03 Laws relating to ICT	87
4.08 Life expectancy*	42	9.04 FDI and technology transfer	64
4.09 Quality of primary education	53	9.05 Mobile telephone subscribers*	34
4.10 Primary enrollment*	44	9.06 Internet users*	38
4.11 Education expenditure*	27	9.07 Personal computers*	49
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	35
5.01 Secondary enrollment*	28	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	20	10.01 Domestic market size*	19
5.03 Quality of the educational system	54	10.02 Foreign market size*	22
5.04 Quality of math and science education	40	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	43	11.01 Local supplier quantity	51
5.06 Internet access in schools	47	11.02 Local supplier quality	59
5.07 Local availability of research and training services	50	11.03 State of cluster development	92
5.08 Extent of staff training	89	11.04 Nature of competitive advantage	59
		11.05 Value chain breadth	23
		11.06 Control of international distribution	53
		11.07 Production process sophistication	54
		11.08 Extent of marketing	46
		11.09 Willingness to delegate authority	90
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	70
		12.02 Quality of scientific research institutions	56
		12.03 Company spending on R&D	65
		12.04 University-industry research collaboration	81
		12.05 Gov't procurement of advanced tech products	62
		12.06 Availability of scientists and engineers	69
		12.07 Utility patents*	48

\* Hard data

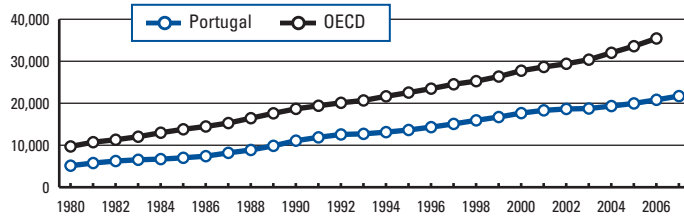
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Portugal

## Key indicators

Total population (millions), 2007 .....	10.6
GDP (US\$ billions), 2007 .....	223.3
GDP per capita (US\$), 2007 .....	21,018.8
GDP (PPP) as share (%) of world total, 2007 .....	0.36

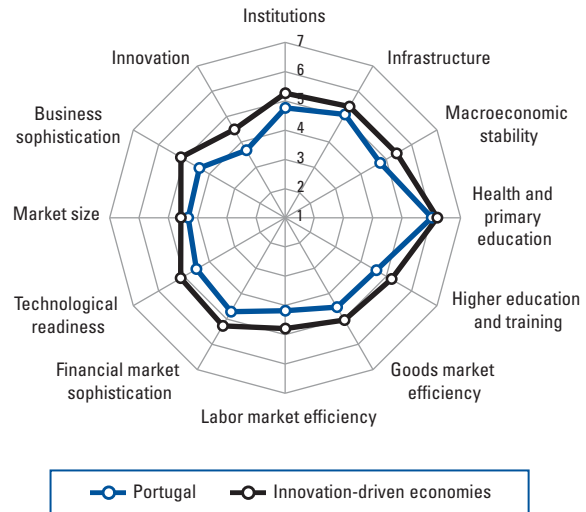
GDP (PPP US\$) per capita, 1980–2007



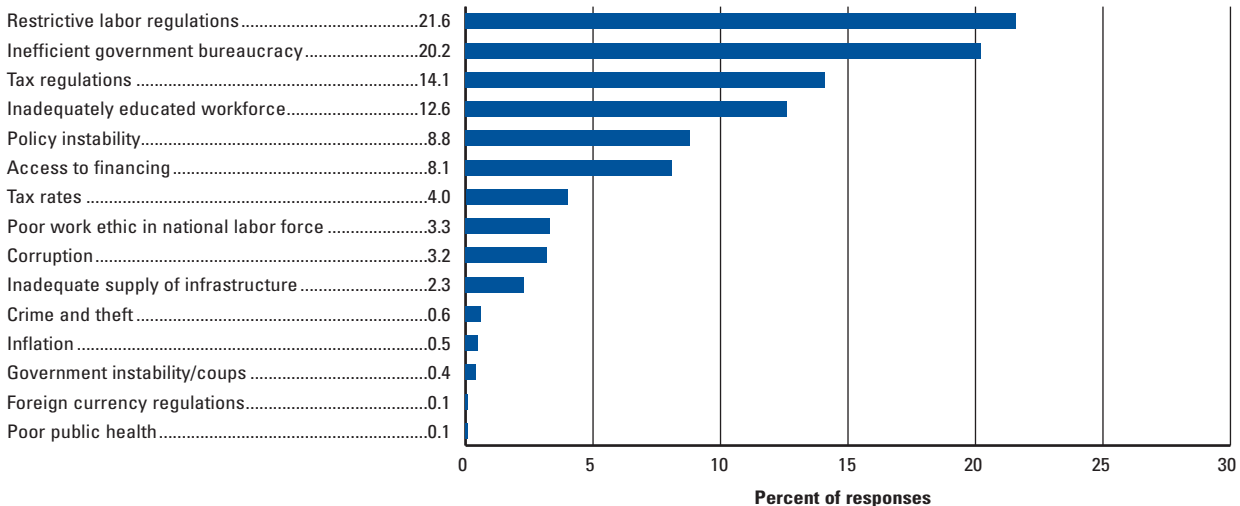
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>43</b>	<b>4.5</b>
GCI 2007–2008 (out of 131) .....	40	4.5
GCI 2006–2007 (out of 122) .....	43	4.5
<b>Basic requirements</b> .....	<b>37</b>	<b>5.1</b>
1st pillar: Institutions .....	35	4.7
2nd pillar: Infrastructure .....	26	5.1
3rd pillar: Macroeconomic stability .....	82	4.7
4th pillar: Health and primary education .....	33	6.0
<b>Efficiency enhancers</b> .....	<b>34</b>	<b>4.5</b>
5th pillar: Higher education and training .....	37	4.6
6th pillar: Goods market efficiency .....	45	4.5
7th pillar: Labor market efficiency .....	87	4.2
8th pillar: Financial market sophistication .....	43	4.7
9th pillar: Technological readiness .....	32	4.5
10th pillar: Market size .....	43	4.3
<b>Innovation and sophistication factors</b> .....	<b>43</b>	<b>4.0</b>
11th pillar: Business sophistication .....	48	4.4
12th pillar: Innovation .....	35	3.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	
<b>1st pillar: Institutions</b>		
1.01	Property rights	35
1.02	Intellectual property protection	29
1.03	Diversion of public funds	33
1.04	Public trust of politicians	46
1.05	Judicial independence	32
1.06	Favoritism in decisions of government officials	33
1.07	Wastefulness of government spending	57
1.08	Burden of government regulation	74
1.09	Efficiency of legal framework	65
1.10	Transparency of government policymaking	63
1.11	Business costs of terrorism	20
1.12	Business costs of crime and violence	21
1.13	Organized crime	13
1.14	Reliability of police services	34
1.15	Ethical behavior of firms	37
1.16	Strength of auditing and reporting standards	38
1.17	Efficacy of corporate boards	69
1.18	Protection of minority shareholders' interests	39
<b>2nd pillar: Infrastructure</b>		
2.01	Quality of overall infrastructure	23
2.02	Quality of roads	14
2.03	Quality of railroad infrastructure	25
2.04	Quality of port infrastructure	42
2.05	Quality of air transport infrastructure	43
2.06	Available seat kilometers*	31
2.07	Quality of electricity supply	25
2.08	Telephone lines*	31
<b>3rd pillar: Macroeconomic stability</b>		
3.01	Government surplus/deficit*	104
3.02	National savings rate*	116
3.03	Inflation*	37
3.04	Interest rate spread*	49
3.05	Government debt*	109
<b>4th pillar: Health and primary education</b>		
4.01	Business impact of malaria	21
4.02	Malaria incidence*	1
4.03	Business impact of tuberculosis	32
4.04	Tuberculosis incidence*	52
4.05	Business impact of HIV/AIDS	17
4.06	HIV prevalence*	79
4.07	Infant mortality*	10
4.08	Life expectancy*	22
4.09	Quality of primary education	62
4.10	Primary enrollment*	21
4.11	Education expenditure*	22
<b>5th pillar: Higher education and training</b>		
5.01	Secondary enrollment*	36
5.02	Tertiary enrollment*	33
5.03	Quality of the educational system	73
5.04	Quality of math and science education	97
5.05	Quality of management schools	38
5.06	Internet access in schools	29
5.07	Local availability of research and training services	34
5.08	Extent of staff training	70

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134	
<b>6th pillar: Goods market efficiency</b>		
6.01	Intensity of local competition	41
6.02	Extent of market dominance	69
6.03	Effectiveness of anti-monopoly policy	30
6.04	Extent and effect of taxation	95
6.05	Total tax rate*	69
6.06	No. of procedures required to start a business*	34
6.07	Time required to start a business*	9
6.08	Agricultural policy costs	79
6.09	Prevalence of trade barriers	21
6.10	Trade-weighted tariff rate*	5
6.11	Prevalence of foreign ownership	71
6.12	Business impact of rules on FDI	34
6.13	Burden of customs procedures	30
6.14	Degree of customer orientation	59
6.15	Buyer sophistication	57
<b>7th pillar: Labor market efficiency</b>		
7.01	Cooperation in labor-employer relations	73
7.02	Flexibility of wage determination	96
7.03	Non-wage labor costs*	99
7.04	Rigidity of employment*	99
7.05	Hiring and firing practices	125
7.06	Firing costs*	113
7.07	Pay and productivity	44
7.08	Reliance on professional management	61
7.09	Brain drain	52
7.10	Female participation in labor force*	33
<b>8th pillar: Financial market sophistication</b>		
8.01	Financial market sophistication	30
8.02	Financing through local equity market	67
8.03	Ease of access to loans	45
8.04	Venture capital availability	43
8.05	Restriction on capital flows	73
8.06	Strength of investor protection*	26
8.07	Soundness of banks	35
8.08	Regulation of securities exchanges	34
8.09	Legal rights index*	72
<b>9th pillar: Technological readiness</b>		
9.01	Availability of latest technologies	28
9.02	Firm-level technology absorption	39
9.03	Laws relating to ICT	23
9.04	FDI and technology transfer	26
9.05	Mobile telephone subscribers*	11
9.06	Internet users*	45
9.07	Personal computers*	48
9.08	Broadband Internet subscribers*	30
<b>10th pillar: Market size</b>		
10.01	Domestic market size*	39
10.02	Foreign market size*	51
<b>11th pillar: Business sophistication</b>		
11.01	Local supplier quantity	54
11.02	Local supplier quality	50
11.03	State of cluster development	68
11.04	Nature of competitive advantage	55
11.05	Value chain breadth	32
11.06	Control of international distribution	54
11.07	Production process sophistication	37
11.08	Extent of marketing	36
11.09	Willingness to delegate authority	43
<b>12th pillar: Innovation</b>		
12.01	Capacity for innovation	32
12.02	Quality of scientific research institutions	33
12.03	Company spending on R&D	53
12.04	University-industry research collaboration	42
12.05	Gov't procurement of advanced tech products	31
12.06	Availability of scientists and engineers	48
12.07	Utility patents*	42

# Puerto Rico

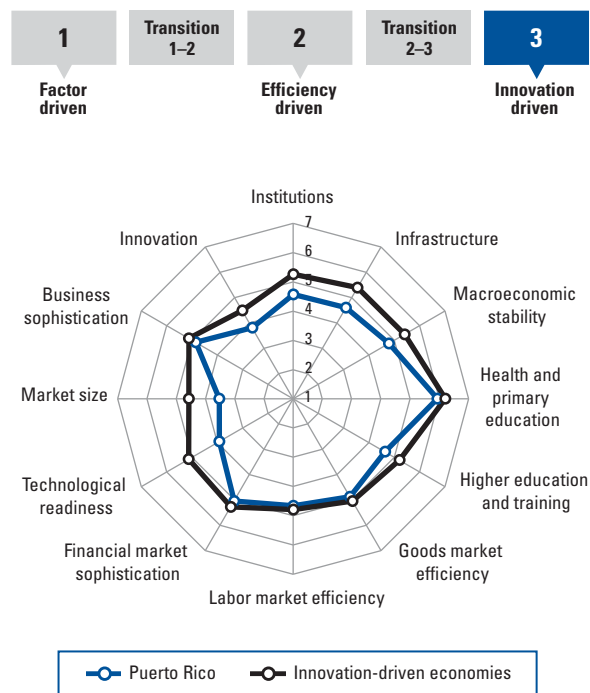
## Key indicators

Total population (millions), 2007 .....	4.0
GDP (US\$ billions), 2007 .....	86.5
GDP per capita (US\$), 2007 .....	22,057.1
GDP (PPP) as share (%) of world total, 2007 .....	n/a

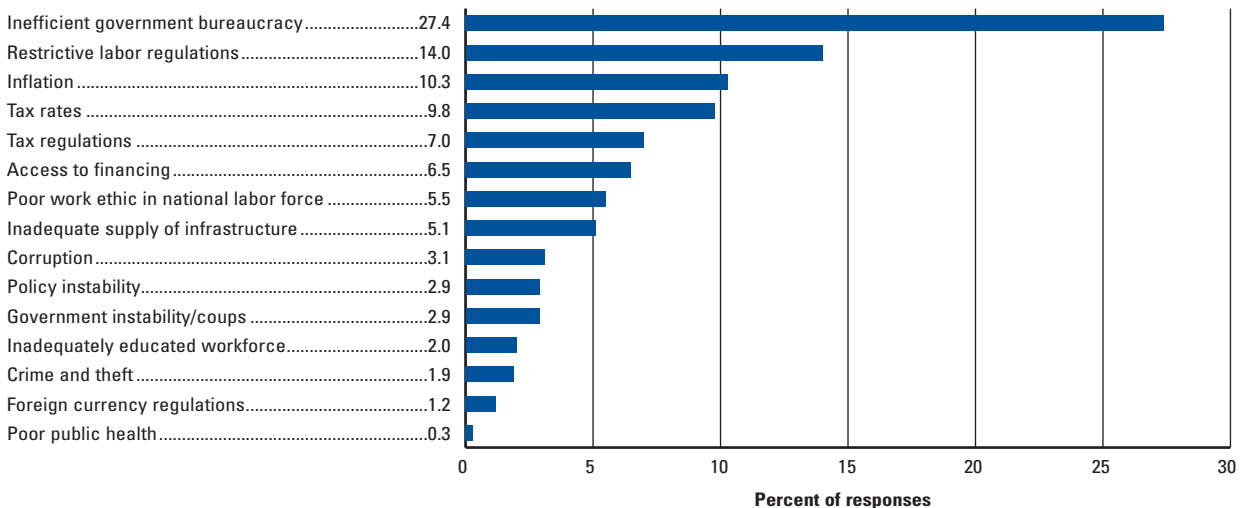
## Global Competitiveness Index

	Rank (out of 134)	Score (1-7)
<b>GCI 2008-2009</b> .....	<b>41</b>	<b>4.5</b>
GCI 2007-2008 (out of 131) .....	36	4.5
GCI 2006-2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>44</b>	<b>5.0</b>
1st pillar: Institutions .....	44	4.6
2nd pillar: Infrastructure .....	31	4.6
3rd pillar: Macroeconomic stability .....	81	4.8
4th pillar: Health and primary education .....	38	5.9
<b>Efficiency enhancers</b> .....	<b>38</b>	<b>4.4</b>
5th pillar: Higher education and training .....	36	4.6
6th pillar: Goods market efficiency .....	29	4.9
7th pillar: Labor market efficiency .....	37	4.7
8th pillar: Financial market sophistication .....	30	5.0
9th pillar: Technological readiness .....	44	3.9
10th pillar: Market size .....	68	3.5
<b>Innovation and sophistication factors</b> .....	<b>26</b>	<b>4.3</b>
11th pillar: Business sophistication .....	28	4.8
12th pillar: Innovation .....	30	3.8

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....21	6.01	Intensity of local competition .....8
1.02	Intellectual property protection .....17	6.02	Extent of market dominance .....17
1.03	Diversion of public funds .....48	6.03	Effectiveness of anti-monopoly policy .....14
1.04	Public trust of politicians .....74	6.04	Extent and effect of taxation .....103
1.05	Judicial independence .....44	6.05	Total tax rate* .....67
1.06	Favoritism in decisions of government officials .....57	6.06	No. of procedures required to start a business* .....34
1.07	Wastefulness of government spending .....116	6.07	Time required to start a business* .....9
1.08	Burden of government regulation .....131	6.08	Agricultural policy costs .....87
1.09	Efficiency of legal framework .....39	6.09	Prevalence of trade barriers .....48
1.10	Transparency of government policymaking .....71	6.10	Trade-weighted tariff rate* .....33
1.11	Business costs of terrorism .....35	6.11	Prevalence of foreign ownership .....30
1.12	Business costs of crime and violence .....82	6.12	Business impact of rules on FDI .....22
1.13	Organized crime .....52	6.13	Burden of customs procedures .....44
1.14	Reliability of police services .....43	6.14	Degree of customer orientation .....52
1.15	Ethical behavior of firms .....36	6.15	Buyer sophistication .....32
1.16	Strength of auditing and reporting standards .....24	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....30	7.01	Cooperation in labor-employer relations .....64
1.18	Protection of minority shareholders' interests .....10	7.02	Flexibility of wage determination .....50
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....46
2.01	Quality of overall infrastructure .....30	7.04	Rigidity of employment* .....27
2.02	Quality of roads .....29	7.05	Hiring and firing practices .....96
2.03	Quality of railroad infrastructure .....77	7.06	Firing costs* .....1
2.04	Quality of port infrastructure .....27	7.07	Pay and productivity .....28
2.05	Quality of air transport infrastructure .....14	7.08	Reliance on professional management .....28
2.06	Available seat kilometers* .....37	7.09	Brain drain .....66
2.07	Quality of electricity supply .....61	7.10	Female participation in labor force* .....93
2.08	Telephone lines* .....52	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....22
3.01	Government surplus/deficit* .....74	8.02	Financing through local equity market .....69
3.02	National savings rate* .....129	8.03	Ease of access to loans .....41
3.03	Inflation* .....76	8.04	Venture capital availability .....39
3.04	Interest rate spread* .....17	8.05	Restriction on capital flows .....58
3.05	Government debt* .....86	8.06	Strength of investor protection* .....12
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....52
4.01	Business impact of malaria .....33	8.08	Regulation of securities exchanges .....21
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....18	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....3	9.01	Availability of latest technologies .....27
4.05	Business impact of HIV/AIDS .....85	9.02	Firm-level technology absorption .....22
4.06	HIV prevalence* .....94	9.03	Laws relating to ICT .....36
4.07	Infant mortality* .....44	9.04	FDI and technology transfer .....17
4.08	Life expectancy* .....35	9.05	Mobile telephone subscribers* .....46
4.09	Quality of primary education .....76	9.06	Internet users* .....52
4.10	Primary enrollment* .....26	9.07	Personal computers* .....118
4.11	Education expenditure* .....n/a	9.08	Broadband Internet subscribers* .....54
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....45	10.01	Domestic market size* .....73
5.02	Tertiary enrollment* .....51	10.02	Foreign market size* .....60
5.03	Quality of the educational system .....58	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....88	11.01	Local supplier quantity .....35
5.05	Quality of management schools .....44	11.02	Local supplier quality .....16
5.06	Internet access in schools .....52	11.03	State of cluster development .....30
5.07	Local availability of research and training services .....31	11.04	Nature of competitive advantage .....23
5.08	Extent of staff training .....23	11.05	Value chain breadth .....37
		11.06	Control of international distribution .....106
		11.07	Production process sophistication .....21
		11.08	Extent of marketing .....13
		11.09	Willingness to delegate authority .....32
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....48
		12.02	Quality of scientific research institutions .....35
		12.03	Company spending on R&D .....41
		12.04	University-industry research collaboration .....27
		12.05	Gov't procurement of advanced tech products .....75
		12.06	Availability of scientists and engineers .....12
		12.07	Utility patents* .....27

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

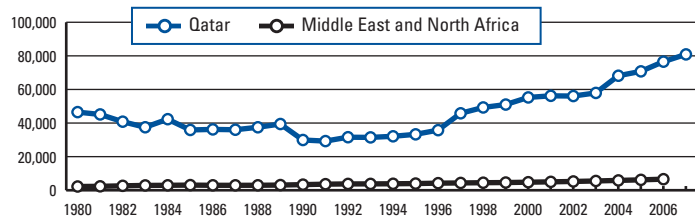


# Qatar

## Key indicators

Total population (millions), 2007 .....	0.9
GDP (US\$ billions), 2007 .....	67.8
GDP per capita (US\$), 2007 .....	72,849.1
GDP (PPP) as share (%) of world total, 2007 .....	0.12

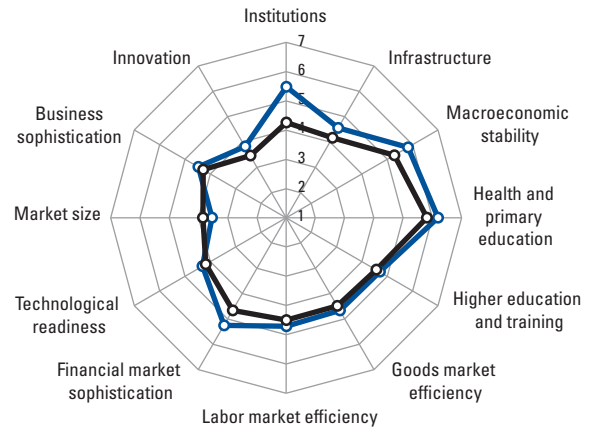
GDP (PPP US\$) per capita, 1980–2007



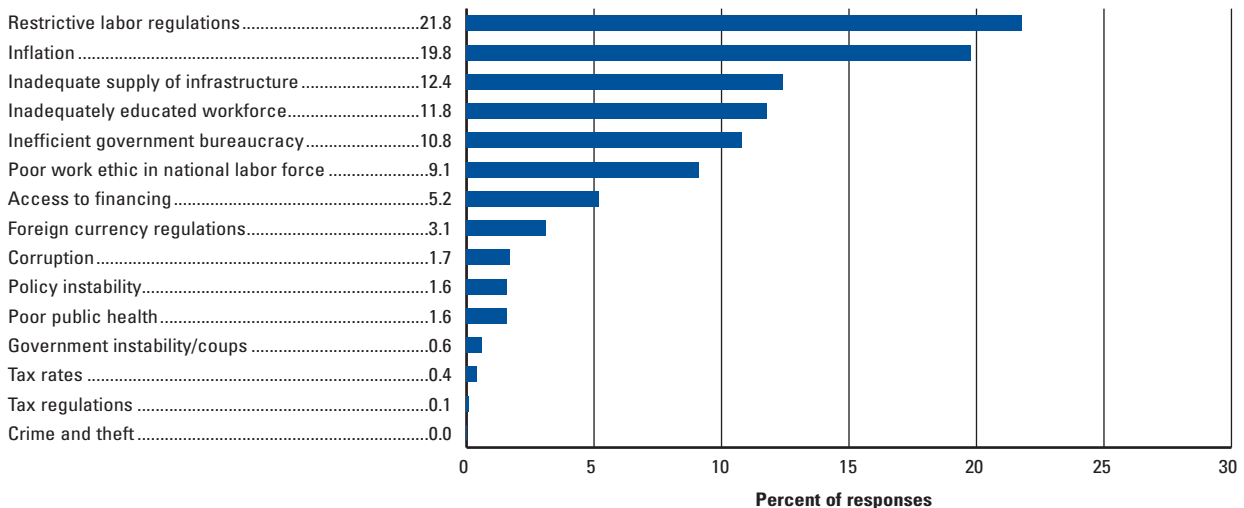
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>26</b>	<b>4.8</b>
GCI 2007–2008 (out of 131) .....	31	4.6
GCI 2006–2007 (out of 122) .....	32	4.6
<b>Basic requirements</b> .....	<b>21</b>	<b>5.5</b>
1st pillar: Institutions .....	16	5.5
2nd pillar: Infrastructure .....	35	4.5
3rd pillar: Macroeconomic stability .....	19	5.8
4th pillar: Health and primary education .....	18	6.2
<b>Efficiency enhancers</b> .....	<b>31</b>	<b>4.5</b>
5th pillar: Higher education and training .....	31	4.7
6th pillar: Goods market efficiency .....	38	4.7
7th pillar: Labor market efficiency .....	31	4.7
8th pillar: Financial market sophistication .....	22	5.3
9th pillar: Technological readiness .....	37	4.3
10th pillar: Market size .....	67	3.5
<b>Innovation and sophistication factors</b> .....	<b>35</b>	<b>4.1</b>
11th pillar: Business sophistication .....	45	4.5
12th pillar: Innovation .....	29	3.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	31	6.01 Intensity of local competition .....	53
1.02 Intellectual property protection .....	25	6.02 Extent of market dominance .....	35
1.03 Diversion of public funds .....	16	6.03 Effectiveness of anti-monopoly policy .....	47
1.04 Public trust of politicians .....	10	6.04 Extent and effect of taxation .....	4
1.05 Judicial independence .....	21	6.05 Total tax rate* .....	n/a
1.06 Favoritism in decisions of government officials .....	13	6.06 No. of procedures required to start a business* .....	n/a
1.07 Wastefulness of government spending .....	3	6.07 Time required to start a business* .....	n/a
1.08 Burden of government regulation .....	8	6.08 Agricultural policy costs .....	11
1.09 Efficiency of legal framework .....	24	6.09 Prevalence of trade barriers .....	25
1.10 Transparency of government policymaking .....	21	6.10 Trade-weighted tariff rate* .....	50
1.11 Business costs of terrorism .....	55	6.11 Prevalence of foreign ownership .....	97
1.12 Business costs of crime and violence .....	5	6.12 Business impact of rules on FDI .....	71
1.13 Organized crime .....	14	6.13 Burden of customs procedures .....	54
1.14 Reliability of police services .....	15	6.14 Degree of customer orientation .....	67
1.15 Ethical behavior of firms .....	21	6.15 Buyer sophistication .....	39
1.16 Strength of auditing and reporting standards .....	35	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	52	7.01 Cooperation in labor-employer relations .....	38
1.18 Protection of minority shareholders' interests .....	19	7.02 Flexibility of wage determination .....	11
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	n/a
2.01 Quality of overall infrastructure .....	40	7.04 Rigidity of employment* .....	n/a
2.02 Quality of roads .....	46	7.05 Hiring and firing practices .....	48
2.03 Quality of railroad infrastructure .....	n/a	7.06 Firing costs* .....	n/a
2.04 Quality of port infrastructure .....	51	7.07 Pay and productivity .....	19
2.05 Quality of air transport infrastructure .....	22	7.08 Reliance on professional management .....	48
2.06 Available seat kilometers* .....	36	7.09 Brain drain .....	3
2.07 Quality of electricity supply .....	26	7.10 Female participation in labor force* .....	125
2.08 Telephone lines* .....	49	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	38
3.01 Government surplus/deficit* .....	14	8.02 Financing through local equity market .....	34
3.02 National savings rate* .....	3	8.03 Ease of access to loans .....	14
3.03 Inflation* .....	129	8.04 Venture capital availability .....	24
3.04 Interest rate spread* .....	22	8.05 Restriction on capital flows .....	43
3.05 Government debt* .....	16	8.06 Strength of investor protection* .....	n/a
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	30
4.01 Business impact of malaria .....	40	8.08 Regulation of securities exchanges .....	45
4.02 Malaria incidence* .....	1	8.09 Legal rights index* .....	n/a
4.03 Business impact of tuberculosis .....	45	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	70	9.01 Availability of latest technologies .....	32
4.05 Business impact of HIV/AIDS .....	30	9.02 Firm-level technology absorption .....	40
4.06 HIV prevalence* .....	1	9.03 Laws relating to ICT .....	33
4.07 Infant mortality* .....	47	9.04 FDI and technology transfer .....	11
4.08 Life expectancy* .....	37	9.05 Mobile telephone subscribers* .....	14
4.09 Quality of primary education .....	22	9.06 Internet users* .....	41
4.10 Primary enrollment* .....	66	9.07 Personal computers* .....	42
4.11 Education expenditure* .....	n/a	9.08 Broadband Internet subscribers* .....	40
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	23	10.01 Domestic market size* .....	72
5.02 Tertiary enrollment* .....	85	10.02 Foreign market size* .....	61
5.03 Quality of the educational system .....	16	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	12	11.01 Local supplier quantity .....	37
5.05 Quality of management schools .....	35	11.02 Local supplier quality .....	72
5.06 Internet access in schools .....	28	11.03 State of cluster development .....	33
5.07 Local availability of research and training services .....	45	11.04 Nature of competitive advantage .....	36
5.08 Extent of staff training .....	33	11.05 Value chain breadth .....	43
		11.06 Control of international distribution .....	43
		11.07 Production process sophistication .....	29
		11.08 Extent of marketing .....	49
		11.09 Willingness to delegate authority .....	53
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	60
		12.02 Quality of scientific research institutions .....	30
		12.03 Company spending on R&D .....	35
		12.04 University-industry research collaboration .....	25
		12.05 Gov't procurement of advanced tech products .....	9
		12.06 Availability of scientists and engineers .....	53
		12.07 Utility patents* .....	88

\* Hard data

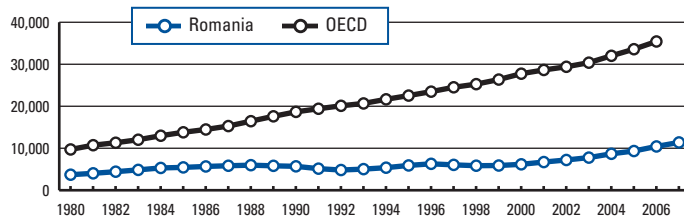
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Romania

## Key indicators

Total population (millions), 2007	21.5
GDP (US\$ billions), 2007	166.0
GDP per capita (US\$), 2007	7,697.2
GDP (PPP) as share (%) of world total, 2007	0.38

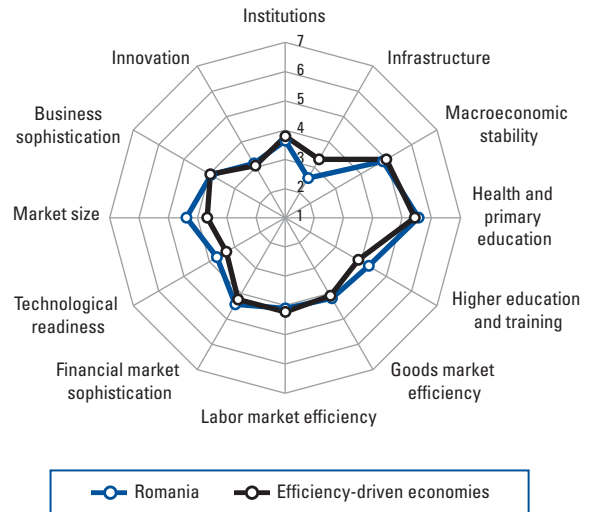
GDP (PPP US\$) per capita, 1980–2007



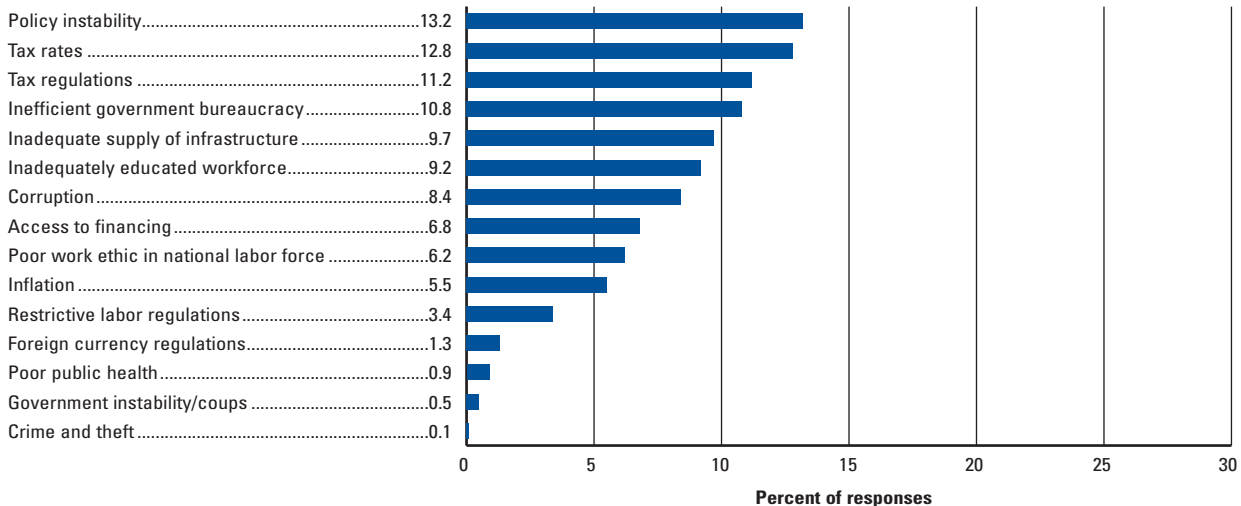
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>68</b>	<b>4.1</b>
GCI 2007–2008 (out of 131)	74	4.0
GCI 2006–2007 (out of 122)	73	4.0
<b>Basic requirements</b>	<b>87</b>	<b>4.1</b>
1st pillar: Institutions	89	3.6
2nd pillar: Infrastructure	105	2.6
3rd pillar: Macroeconomic stability	76	4.9
4th pillar: Health and primary education	66	5.5
<b>Efficiency enhancers</b>	<b>54</b>	<b>4.2</b>
5th pillar: Higher education and training	52	4.3
6th pillar: Goods market efficiency	67	4.2
7th pillar: Labor market efficiency	97	4.1
8th pillar: Financial market sophistication	60	4.4
9th pillar: Technological readiness	48	3.7
10th pillar: Market size	42	4.4
<b>Innovation and sophistication factors</b>	<b>75</b>	<b>3.5</b>
11th pillar: Business sophistication	78	3.9
12th pillar: Innovation	69	3.1

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	85	6.01 Intensity of local competition	86
1.02 Intellectual property protection	64	6.02 Extent of market dominance	47
1.03 Diversion of public funds	80	6.03 Effectiveness of anti-monopoly policy	64
1.04 Public trust of politicians	106	6.04 Extent and effect of taxation	110
1.05 Judicial independence	88	6.05 Total tax rate*	78
1.06 Favoritism in decisions of government officials	113	6.06 No. of procedures required to start a business*	19
1.07 Wastefulness of government spending	111	6.07 Time required to start a business*	27
1.08 Burden of government regulation	54	6.08 Agricultural policy costs	126
1.09 Efficiency of legal framework	87	6.09 Prevalence of trade barriers	61
1.10 Transparency of government policymaking	124	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	57	6.11 Prevalence of foreign ownership	87
1.12 Business costs of crime and violence	69	6.12 Business impact of rules on FDI	89
1.13 Organized crime	80	6.13 Burden of customs procedures	55
1.14 Reliability of police services	74	6.14 Degree of customer orientation	100
1.15 Ethical behavior of firms	107	6.15 Buyer sophistication	71
1.16 Strength of auditing and reporting standards	78		
1.17 Efficacy of corporate boards	76	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	96	7.01 Cooperation in labor-employer relations	122
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	81
2.01 Quality of overall infrastructure	117	7.03 Non-wage labor costs*	112
2.02 Quality of roads	126	7.04 Rigidity of employment*	125
2.03 Quality of railroad infrastructure	59	7.05 Hiring and firing practices	59
2.04 Quality of port infrastructure	102	7.06 Firing costs*	14
2.05 Quality of air transport infrastructure	96	7.07 Pay and productivity	72
2.06 Available seat kilometers*	65	7.08 Reliance on professional management	74
2.07 Quality of electricity supply	88	7.09 Brain drain	102
2.08 Telephone lines*	66	7.10 Female participation in labor force*	51
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	98	8.01 Financial market sophistication	87
3.02 National savings rate*	104	8.02 Financing through local equity market	83
3.03 Inflation*	63	8.03 Ease of access to loans	56
3.04 Interest rate spread*	84	8.04 Venture capital availability	65
3.05 Government debt*	17	8.05 Restriction on capital flows	76
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	26
4.01 Business impact of malaria	69	8.07 Soundness of banks	74
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	91
4.03 Business impact of tuberculosis	83	8.09 Legal rights index*	16
4.04 Tuberculosis incidence*	92	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	59	9.01 Availability of latest technologies	96
4.06 HIV prevalence*	23	9.02 Firm-level technology absorption	94
4.07 Infant mortality*	64	9.03 Laws relating to ICT	73
4.08 Life expectancy*	55	9.04 FDI and technology transfer	62
4.09 Quality of primary education	54	9.05 Mobile telephone subscribers*	50
4.10 Primary enrollment*	67	9.06 Internet users*	23
4.11 Education expenditure*	94	9.07 Personal computers*	52
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	44
5.01 Secondary enrollment*	70	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	34	10.01 Domestic market size*	36
5.03 Quality of the educational system	71	10.02 Foreign market size*	53
5.04 Quality of math and science education	18	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	84	11.01 Local supplier quantity	80
5.06 Internet access in schools	48	11.02 Local supplier quality	83
5.07 Local availability of research and training services	63	11.03 State of cluster development	59
5.08 Extent of staff training	54	11.04 Nature of competitive advantage	104
		11.05 Value chain breadth	57
		11.06 Control of international distribution	73
		11.07 Production process sophistication	73
		11.08 Extent of marketing	83
		11.09 Willingness to delegate authority	103
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	58
		12.02 Quality of scientific research institutions	84
		12.03 Company spending on R&D	74
		12.04 University-industry research collaboration	72
		12.05 Gov't procurement of advanced tech products	73
		12.06 Availability of scientists and engineers	60
		12.07 Utility patents*	55

\* Hard data

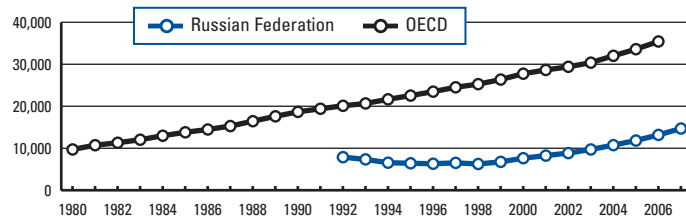
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Russian Federation

## Key indicators

Total population (millions), 2007 .....	141.9
GDP (US\$ billions), 2007 .....	1,289.6
GDP per capita (US\$), 2007 .....	9,075.1
GDP (PPP) as share (%) of world total, 2007 .....	3.18

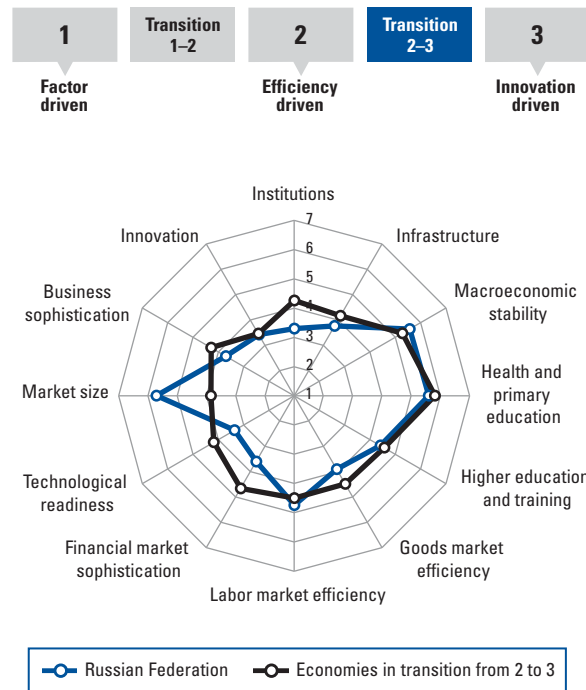
GDP (PPP US\$) per capita, 1980–2007



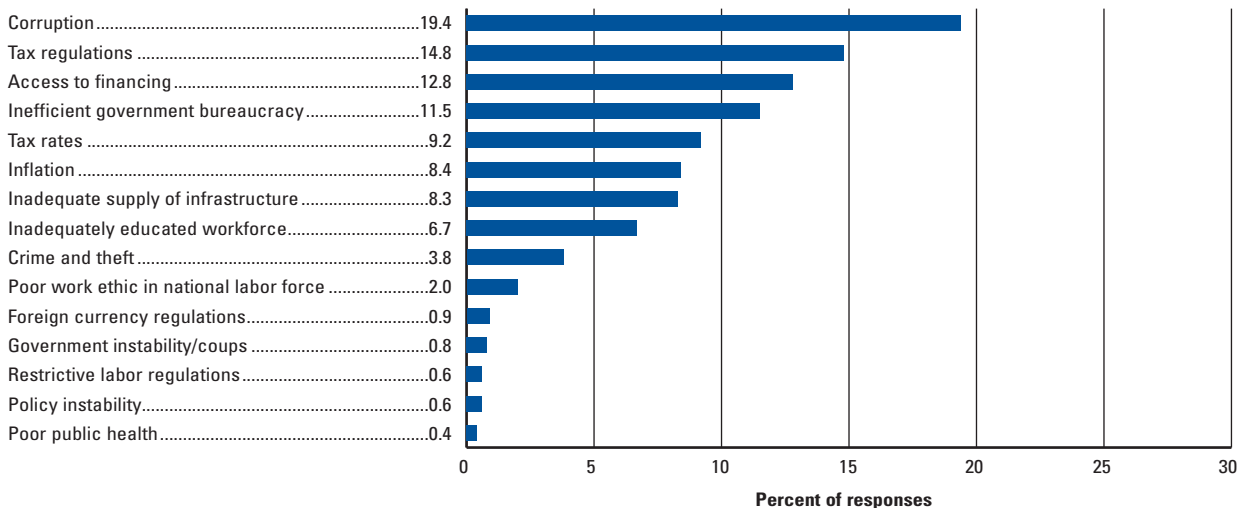
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>51</b>	<b>4.3</b>
GCI 2007–2008 (out of 131) .....	58	4.2
GCI 2006–2007 (out of 122) .....	59	4.1
<b>Basic requirements</b> .....	<b>56</b>	<b>4.5</b>
1st pillar: Institutions .....	110	3.3
2nd pillar: Infrastructure .....	59	3.7
3rd pillar: Macroeconomic stability .....	29	5.6
4th pillar: Health and primary education .....	59	5.6
<b>Efficiency enhancers</b> .....	<b>50</b>	<b>4.3</b>
5th pillar: Higher education and training .....	46	4.4
6th pillar: Goods market efficiency .....	99	3.9
7th pillar: Labor market efficiency .....	27	4.7
8th pillar: Financial market sophistication .....	112	3.6
9th pillar: Technological readiness .....	67	3.4
10th pillar: Market size .....	8	5.7
<b>Innovation and sophistication factors</b> .....	<b>73</b>	<b>3.6</b>
11th pillar: Business sophistication .....	91	3.7
12th pillar: Innovation .....	48	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	122 ■
1.02 Intellectual property protection .....	98 ■
1.03 Diversion of public funds .....	102 ■
1.04 Public trust of politicians .....	111 ■
1.05 Judicial independence .....	109 ■
1.06 Favoritism in decisions of government officials .....	88 ■
1.07 Wastefulness of government spending .....	82 ■
1.08 Burden of government regulation .....	118 ■
1.09 Efficiency of legal framework .....	107 ■
1.10 Transparency of government policymaking .....	119 ■
1.11 Business costs of terrorism .....	100 ■
1.12 Business costs of crime and violence .....	80 ■
1.13 Organized crime .....	105 ■
1.14 Reliability of police services .....	105 ■
1.15 Ethical behavior of firms .....	112 ■
1.16 Strength of auditing and reporting standards .....	108 ■
1.17 Efficacy of corporate boards .....	35 ■
1.18 Protection of minority shareholders' interests .....	128 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	78 ■
2.02 Quality of roads .....	104 ■
2.03 Quality of railroad infrastructure .....	32 ■
2.04 Quality of port infrastructure .....	76 ■
2.05 Quality of air transport infrastructure .....	88 ■
2.06 Available seat kilometers* .....	11 ■
2.07 Quality of electricity supply .....	65 ■
2.08 Telephone lines* .....	39 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	19 ■
3.02 National savings rate* .....	27 ■
3.03 Inflation* .....	109 ■
3.04 Interest rate spread* .....	62 ■
3.05 Government debt* .....	11 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	36 ■
4.02 Malaria incidence* .....	1 ■
4.03 Business impact of tuberculosis .....	47 ■
4.04 Tuberculosis incidence* .....	90 ■
4.05 Business impact of HIV/AIDS .....	28 ■
4.06 HIV prevalence* .....	103 ■
4.07 Infant mortality* .....	51 ■
4.08 Life expectancy* .....	96 ■
4.09 Quality of primary education .....	31 ■
4.10 Primary enrollment* .....	81 ■
4.11 Education expenditure* .....	89 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	76 ■
5.02 Tertiary enrollment* .....	16 ■
5.03 Quality of the educational system .....	36 ■
5.04 Quality of math and science education .....	24 ■
5.05 Quality of management schools .....	72 ■
5.06 Internet access in schools .....	59 ■
5.07 Local availability of research and training services .....	71 ■
5.08 Extent of staff training .....	80 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	108 ■
6.02 Extent of market dominance .....	79 ■
6.03 Effectiveness of anti-monopoly policy .....	95 ■
6.04 Extent and effect of taxation .....	94 ■
6.05 Total tax rate* .....	94 ■
6.06 No. of procedures required to start a business* .....	44 ■
6.07 Time required to start a business* .....	66 ■
6.08 Agricultural policy costs .....	104 ■
6.09 Prevalence of trade barriers .....	114 ■
6.10 Trade-weighted tariff rate* .....	125 ■
6.11 Prevalence of foreign ownership .....	127 ■
6.12 Business impact of rules on FDI .....	129 ■
6.13 Burden of customs procedures .....	121 ■
6.14 Degree of customer orientation .....	79 ■
6.15 Buyer sophistication .....	74 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	82 ■
7.02 Flexibility of wage determination .....	56 ■
7.03 Non-wage labor costs* .....	112 ■
7.04 Rigidity of employment* .....	87 ■
7.05 Hiring and firing practices .....	23 ■
7.06 Firing costs* .....	28 ■
7.07 Pay and productivity .....	11 ■
7.08 Reliance on professional management .....	58 ■
7.09 Brain drain .....	44 ■
7.10 Female participation in labor force* .....	21 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	89 ■
8.02 Financing through local equity market .....	87 ■
8.03 Ease of access to loans .....	86 ■
8.04 Venture capital availability .....	64 ■
8.05 Restriction on capital flows .....	125 ■
8.06 Strength of investor protection* .....	67 ■
8.07 Soundness of banks .....	107 ■
8.08 Regulation of securities exchanges .....	110 ■
8.09 Legal rights index* .....	93 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	98 ■
9.02 Firm-level technology absorption .....	105 ■
9.03 Laws relating to ICT .....	79 ■
9.04 FDI and technology transfer .....	99 ■
9.05 Mobile telephone subscribers* .....	25 ■
9.06 Internet users* .....	67 ■
9.07 Personal computers* .....	58 ■
9.08 Broadband Internet subscribers* .....	59 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	8 ■
10.02 Foreign market size* .....	6 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	89 ■
11.02 Local supplier quality .....	100 ■
11.03 State of cluster development .....	96 ■
11.04 Nature of competitive advantage .....	109 ■
11.05 Value chain breadth .....	105 ■
11.06 Control of international distribution .....	98 ■
11.07 Production process sophistication .....	66 ■
11.08 Extent of marketing .....	90 ■
11.09 Willingness to delegate authority .....	85 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	45 ■
12.02 Quality of scientific research institutions .....	45 ■
12.03 Company spending on R&D .....	46 ■
12.04 University-industry research collaboration .....	48 ■
12.05 Gov't procurement of advanced tech products .....	66 ■
12.06 Availability of scientists and engineers .....	34 ■
12.07 Utility patents* .....	41 ■

\* Hard data

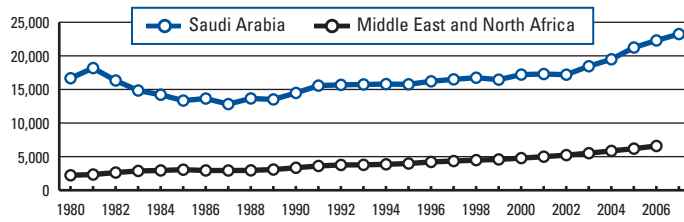
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Saudi Arabia

## Key indicators

Total population (millions), 2007 .....	25.8
GDP (US\$ billions), 2007 .....	376.0
GDP per capita (US\$), 2007 .....	15,481.2
GDP (PPP) as share (%) of world total, 2007 .....	0.87

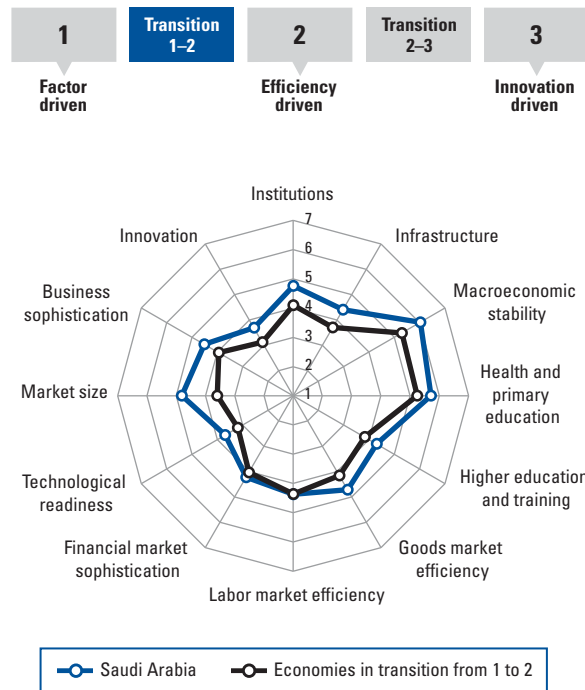
GDP (PPP US\$) per capita, 1980–2007



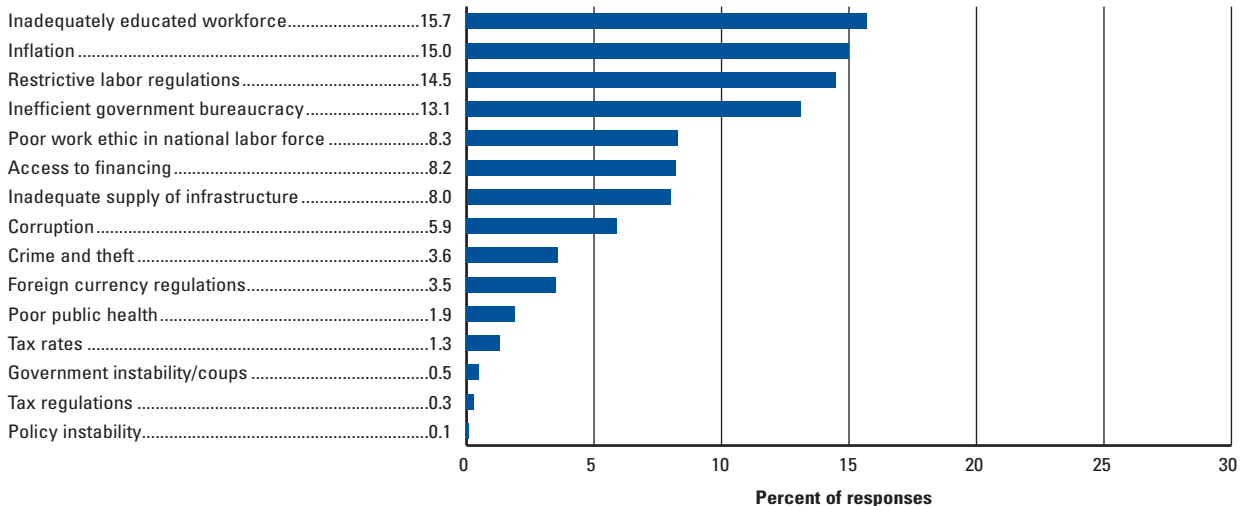
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>27</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	35	4.5
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>34</b>	<b>5.2</b>
1st pillar: Institutions .....	34	4.8
2nd pillar: Infrastructure .....	41	4.4
3rd pillar: Macroeconomic stability .....	9	6.0
4th pillar: Health and primary education .....	51	5.7
<b>Efficiency enhancers</b> .....	<b>45</b>	<b>4.3</b>
5th pillar: Higher education and training .....	53	4.3
6th pillar: Goods market efficiency .....	34	4.7
7th pillar: Labor market efficiency .....	63	4.4
8th pillar: Financial market sophistication .....	73	4.2
9th pillar: Technological readiness .....	51	3.7
10th pillar: Market size .....	22	4.8
<b>Innovation and sophistication factors</b> .....	<b>37</b>	<b>4.1</b>
11th pillar: Business sophistication .....	41	4.5
12th pillar: Innovation .....	34	3.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	44
1.02 Intellectual property protection	38
1.03 Diversion of public funds	37
1.04 Public trust of politicians	19
1.05 Judicial independence	40
1.06 Favoritism in decisions of government officials	23
1.07 Wastefulness of government spending	13
1.08 Burden of government regulation	14
1.09 Efficiency of legal framework	41
1.10 Transparency of government policymaking	45
1.11 Business costs of terrorism	115
1.12 Business costs of crime and violence	67
1.13 Organized crime	49
1.14 Reliability of police services	45
1.15 Ethical behavior of firms	39
1.16 Strength of auditing and reporting standards	61
1.17 Efficacy of corporate boards	75
1.18 Protection of minority shareholders' interests	55
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	38
2.02 Quality of roads	37
2.03 Quality of railroad infrastructure	57
2.04 Quality of port infrastructure	45
2.05 Quality of air transport infrastructure	47
2.06 Available seat kilometers*	27
2.07 Quality of electricity supply	35
2.08 Telephone lines*	73
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	7
3.02 National savings rate*	10
3.03 Inflation*	58
3.04 Interest rate spread*	44
3.05 Government debt*	35
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	91
4.02 Malaria incidence*	78
4.03 Business impact of tuberculosis	81
4.04 Tuberculosis incidence*	61
4.05 Business impact of HIV/AIDS	91
4.06 HIV prevalence*	1
4.07 Infant mortality*	76
4.08 Life expectancy*	83
4.09 Quality of primary education	75
4.10 Primary enrollment*	68
4.11 Education expenditure*	8
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	39
5.02 Tertiary enrollment*	70
5.03 Quality of the educational system	70
5.04 Quality of math and science education	85
5.05 Quality of management schools	75
5.06 Internet access in schools	71
5.07 Local availability of research and training services	42
5.08 Extent of staff training	52

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	50
6.02 Extent of market dominance	40
6.03 Effectiveness of anti-monopoly policy	42
6.04 Extent and effect of taxation	9
6.05 Total tax rate*	3
6.06 No. of procedures required to start a business*	34
6.07 Time required to start a business*	30
6.08 Agricultural policy costs	33
6.09 Prevalence of trade barriers	60
6.10 Trade-weighted tariff rate*	71
6.11 Prevalence of foreign ownership	114
6.12 Business impact of rules on FDI	92
6.13 Burden of customs procedures	41
6.14 Degree of customer orientation	51
6.15 Buyer sophistication	58
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	39
7.02 Flexibility of wage determination	32
7.03 Non-wage labor costs*	35
7.04 Rigidity of employment*	16
7.05 Hiring and firing practices	44
7.06 Firing costs*	97
7.07 Pay and productivity	40
7.08 Reliance on professional management	87
7.09 Brain drain	16
7.10 Female participation in labor force*	134
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	63
8.02 Financing through local equity market	43
8.03 Ease of access to loans	39
8.04 Venture capital availability	38
8.05 Restriction on capital flows	90
8.06 Strength of investor protection*	39
8.07 Soundness of banks	63
8.08 Regulation of securities exchanges	88
8.09 Legal rights index*	93
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	41
9.02 Firm-level technology absorption	44
9.03 Laws relating to ICT	43
9.04 FDI and technology transfer	40
9.05 Mobile telephone subscribers*	54
9.06 Internet users*	65
9.07 Personal computers*	54
9.08 Broadband Internet subscribers*	74
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	26
10.02 Foreign market size*	21
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	36
11.02 Local supplier quality	49
11.03 State of cluster development	36
11.04 Nature of competitive advantage	51
11.05 Value chain breadth	33
11.06 Control of international distribution	15
11.07 Production process sophistication	32
11.08 Extent of marketing	50
11.09 Willingness to delegate authority	68
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	37
12.02 Quality of scientific research institutions	47
12.03 Company spending on R&D	43
12.04 University-industry research collaboration	37
12.05 Gov't procurement of advanced tech products	15
12.06 Availability of scientists and engineers	43
12.07 Utility patents*	51

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

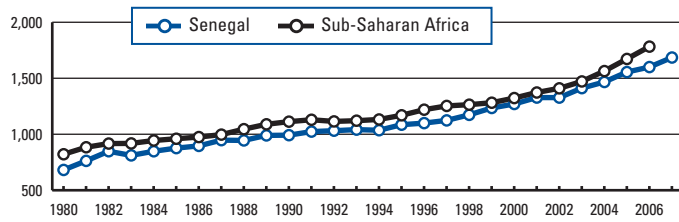


# Senegal

## Key indicators

Total population (millions), 2007 .....	12.2
GDP (US\$ billions), 2007 .....	11.1
GDP per capita (US\$), 2007 .....	909.8
GDP (PPP) as share (%) of world total, 2007 .....	0.03

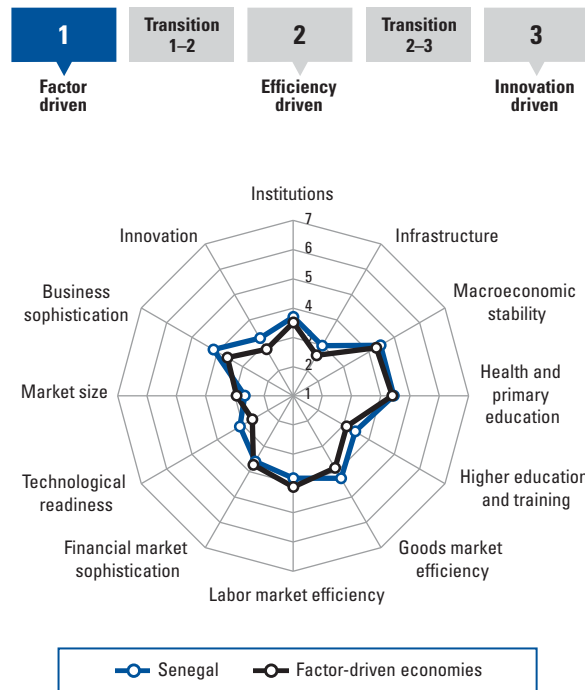
GDP (PPP US\$) per capita, 1980–2007



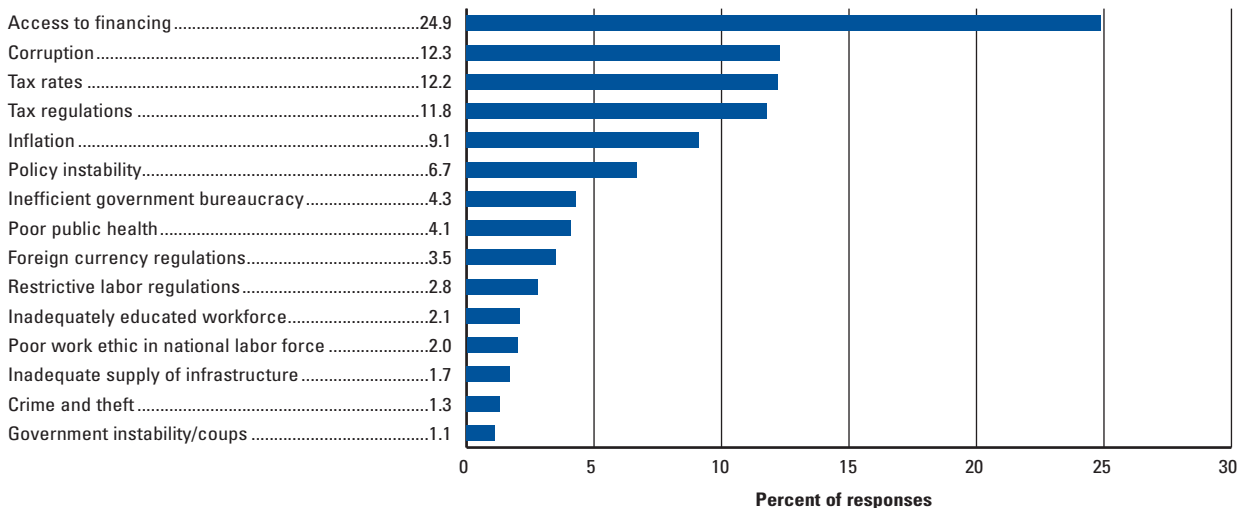
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>96</b>	<b>3.7</b>
GCI 2007–2008 (out of 131) .....	100	3.6
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>101</b>	<b>3.9</b>
1st pillar: Institutions .....	83	3.7
2nd pillar: Infrastructure .....	83	3.0
3rd pillar: Macroeconomic stability .....	103	4.4
4th pillar: Health and primary education .....	109	4.4
<b>Efficiency enhancers</b> .....	<b>96</b>	<b>3.5</b>
5th pillar: Higher education and training .....	92	3.4
6th pillar: Goods market efficiency .....	60	4.3
7th pillar: Labor market efficiency .....	120	3.8
8th pillar: Financial market sophistication .....	111	3.6
9th pillar: Technological readiness .....	81	3.1
10th pillar: Market size .....	105	2.7
<b>Innovation and sophistication factors</b> .....	<b>59</b>	<b>3.7</b>
11th pillar: Business sophistication .....	65	4.2
12th pillar: Innovation .....	59	3.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	76 .....	6.01 Intensity of local competition .....	35 .....
1.02 Intellectual property protection .....	65 .....	6.02 Extent of market dominance .....	29 .....
1.03 Diversion of public funds .....	122 .....	6.03 Effectiveness of anti-monopoly policy .....	75 .....
1.04 Public trust of politicians .....	88 .....	6.04 Extent and effect of taxation .....	87 .....
1.05 Judicial independence .....	117 .....	6.05 Total tax rate* .....	73 .....
1.06 Favoritism in decisions of government officials .....	114 .....	6.06 No. of procedures required to start a business* .....	75 .....
1.07 Wastefulness of government spending .....	91 .....	6.07 Time required to start a business* .....	109 .....
1.08 Burden of government regulation .....	80 .....	6.08 Agricultural policy costs .....	59 .....
1.09 Efficiency of legal framework .....	89 .....	6.09 Prevalence of trade barriers .....	108 .....
1.10 Transparency of government policymaking .....	118 .....	6.10 Trade-weighted tariff rate* .....	98 .....
1.11 Business costs of terrorism .....	32 .....	6.11 Prevalence of foreign ownership .....	55 .....
1.12 Business costs of crime and violence .....	51 .....	6.12 Business impact of rules on FDI .....	66 .....
1.13 Organized crime .....	56 .....	6.13 Burden of customs procedures .....	78 .....
1.14 Reliability of police services .....	36 .....	6.14 Degree of customer orientation .....	7 .....
1.15 Ethical behavior of firms .....	71 .....	6.15 Buyer sophistication .....	126 .....
1.16 Strength of auditing and reporting standards .....	102 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	79 .....	7.01 Cooperation in labor-employer relations .....	33 .....
1.18 Protection of minority shareholders' interests .....	47 .....	7.02 Flexibility of wage determination .....	119 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	89 .....
2.01 Quality of overall infrastructure .....	77 .....	7.04 Rigidity of employment* .....	118 .....
2.02 Quality of roads .....	78 .....	7.05 Hiring and firing practices .....	43 .....
2.03 Quality of railroad infrastructure .....	93 .....	7.06 Firing costs* .....	69 .....
2.04 Quality of port infrastructure .....	73 .....	7.07 Pay and productivity .....	113 .....
2.05 Quality of air transport infrastructure .....	59 .....	7.08 Reliance on professional management .....	107 .....
2.06 Available seat kilometers* .....	69 .....	7.09 Brain drain .....	128 .....
2.07 Quality of electricity supply .....	118 .....	7.10 Female participation in labor force* .....	81 .....
2.08 Telephone lines* .....	112 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	93 .....
3.01 Government surplus/deficit* .....	123 .....	8.02 Financing through local equity market .....	104 .....
3.02 National savings rate* .....	24 .....	8.03 Ease of access to loans .....	133 .....
3.03 Inflation* .....	73 .....	8.04 Venture capital availability .....	127 .....
3.04 Interest rate spread* .....	118 .....	8.05 Restriction on capital flows .....	97 .....
3.05 Government debt* .....	24 .....	8.06 Strength of investor protection* .....	118 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	33 .....
4.01 Business impact of malaria .....	112 .....	8.08 Regulation of securities exchanges .....	100 .....
4.02 Malaria incidence* .....	124 .....	8.09 Legal rights index* .....	93 .....
4.03 Business impact of tuberculosis .....	99 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	113 .....	9.01 Availability of latest technologies .....	39 .....
4.05 Business impact of HIV/AIDS .....	83 .....	9.02 Firm-level technology absorption .....	19 .....
4.06 HIV prevalence* .....	101 .....	9.03 Laws relating to ICT .....	70 .....
4.07 Infant mortality* .....	114 .....	9.04 FDI and technology transfer .....	84 .....
4.08 Life expectancy* .....	111 .....	9.05 Mobile telephone subscribers* .....	103 .....
4.09 Quality of primary education .....	56 .....	9.06 Internet users* .....	103 .....
4.10 Primary enrollment* .....	120 .....	9.07 Personal computers* .....	102 .....
4.11 Education expenditure* .....	50 .....	9.08 Broadband Internet subscribers* .....	89 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	127 .....	10.01 Domestic market size* .....	100 .....
5.02 Tertiary enrollment* .....	114 .....	10.02 Foreign market size* .....	114 .....
5.03 Quality of the educational system .....	59 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	50 .....	11.01 Local supplier quantity .....	38 .....
5.05 Quality of management schools .....	29 .....	11.02 Local supplier quality .....	48 .....
5.06 Internet access in schools .....	57 .....	11.03 State of cluster development .....	69 .....
5.07 Local availability of research and training services .....	30 .....	11.04 Nature of competitive advantage .....	90 .....
5.08 Extent of staff training .....	110 .....	11.05 Value chain breadth .....	58 .....
		11.06 Control of international distribution .....	16 .....
		11.07 Production process sophistication .....	86 .....
		11.08 Extent of marketing .....	57 .....
		11.09 Willingness to delegate authority .....	111 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	78 .....
		12.02 Quality of scientific research institutions .....	64 .....
		12.03 Company spending on R&D .....	68 .....
		12.04 University-industry research collaboration .....	71 .....
		12.05 Gov't procurement of advanced tech products .....	24 .....
		12.06 Availability of scientists and engineers .....	37 .....
		12.07 Utility patents* .....	88 .....

\* Hard data

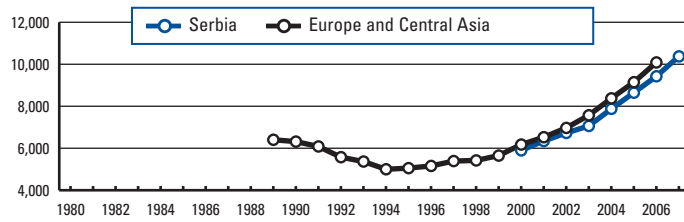
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Serbia

## Key indicators

Total population (millions), 2007	7.4
GDP (US\$ billions), 2007	41.7
GDP per capita (US\$), 2007	5,595.9
GDP (PPP) as share (%) of world total, 2007	n/a

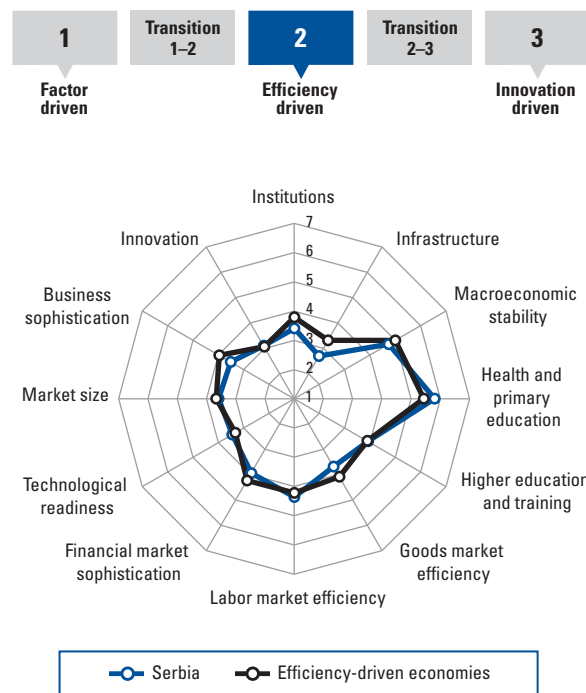
GDP (PPP US\$) per capita, 1980–2007



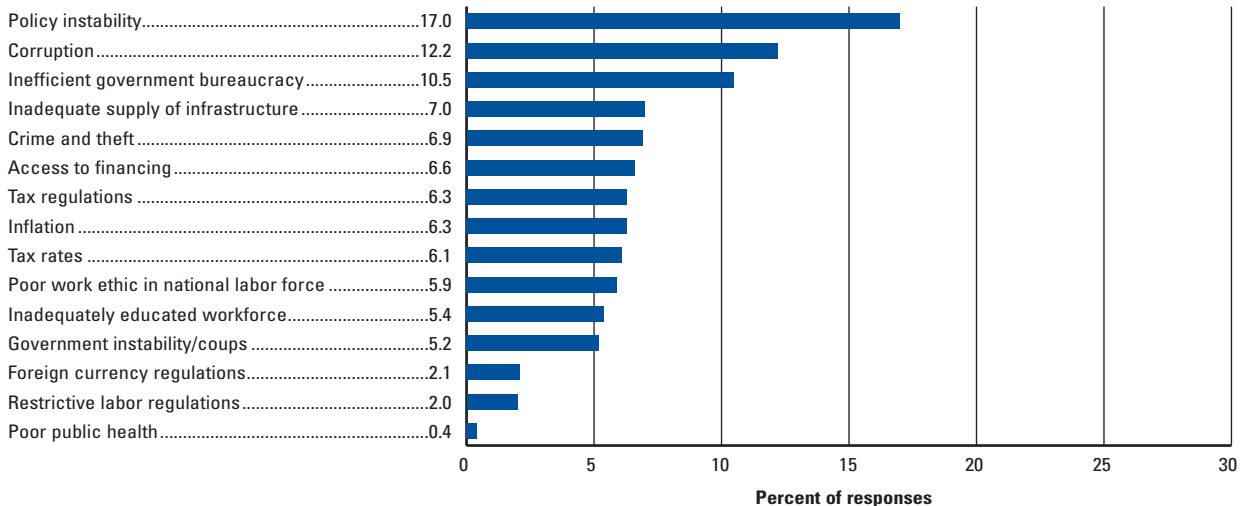
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>85</b>	<b>3.9</b>
GCI 2007–2008 (out of 131)	91	3.8
GCI 2006–2007 (out of 122)	n/a	n/a
<b>Basic requirements</b>	<b>88</b>	<b>4.1</b>
1st pillar: Institutions	108	3.4
2nd pillar: Infrastructure	102	2.7
3rd pillar: Macroeconomic stability	86	4.7
4th pillar: Health and primary education	46	5.8
<b>Efficiency enhancers</b>	<b>78</b>	<b>3.8</b>
5th pillar: Higher education and training	70	3.9
6th pillar: Goods market efficiency	115	3.7
7th pillar: Labor market efficiency	66	4.4
8th pillar: Financial market sophistication	89	3.9
9th pillar: Technological readiness	61	3.5
10th pillar: Market size	65	3.6
<b>Innovation and sophistication factors</b>	<b>91</b>	<b>3.3</b>
11th pillar: Business sophistication	100	3.5
12th pillar: Innovation	70	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....108	6.01	Intensity of local competition .....128
1.02	Intellectual property protection .....105	6.02	Extent of market dominance .....131
1.03	Diversion of public funds .....81	6.03	Effectiveness of anti-monopoly policy .....129
1.04	Public trust of politicians .....109	6.04	Extent and effect of taxation .....73
1.05	Judicial independence .....106	6.05	Total tax rate* .....39
1.06	Favoritism in decisions of government officials .....109	6.06	No. of procedures required to start a business* .....91
1.07	Wastefulness of government spending .....87	6.07	Time required to start a business* .....48
1.08	Burden of government regulation .....132	6.08	Agricultural policy costs .....89
1.09	Efficiency of legal framework .....102	6.09	Prevalence of trade barriers .....96
1.10	Transparency of government policymaking .....82	6.10	Trade-weighted tariff rate* .....55
1.11	Business costs of terrorism .....90	6.11	Prevalence of foreign ownership .....109
1.12	Business costs of crime and violence .....64	6.12	Business impact of rules on FDI .....112
1.13	Organized crime .....97	6.13	Burden of customs procedures .....96
1.14	Reliability of police services .....67	6.14	Degree of customer orientation .....105
1.15	Ethical behavior of firms .....96	6.15	Buyer sophistication .....102
1.16	Strength of auditing and reporting standards .....96	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....119	7.01	Cooperation in labor-employer relations .....111
1.18	Protection of minority shareholders' interests .....132	7.02	Flexibility of wage determination .....47
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....75
2.01	Quality of overall infrastructure .....119	7.04	Rigidity of employment* .....93
2.02	Quality of roads .....115	7.05	Hiring and firing practices .....32
2.03	Quality of railroad infrastructure .....88	7.06	Firing costs* .....44
2.04	Quality of port infrastructure .....84	7.07	Pay and productivity .....93
2.05	Quality of air transport infrastructure .....98	7.08	Reliance on professional management .....118
2.06	Available seat kilometers* .....95	7.09	Brain drain .....131
2.07	Quality of electricity supply .....75	7.10	Female participation in labor force* .....3
2.08	Telephone lines* .....33	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....122
3.01	Government surplus/deficit* .....54	8.02	Financing through local equity market .....85
3.02	National savings rate* .....125	8.03	Ease of access to loans .....93
3.03	Inflation* .....84	8.04	Venture capital availability .....85
3.04	Interest rate spread* .....90	8.05	Restriction on capital flows .....109
3.05	Government debt* .....71	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....110
4.01	Business impact of malaria .....39	8.08	Regulation of securities exchanges .....105
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....16
4.03	Business impact of tuberculosis .....70	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....48	9.01	Availability of latest technologies .....120
4.05	Business impact of HIV/AIDS .....55	9.02	Firm-level technology absorption .....126
4.06	HIV prevalence* .....23	9.03	Laws relating to ICT .....74
4.07	Infant mortality* .....39	9.04	FDI and technology transfer .....14
4.08	Life expectancy* .....55	9.05	Mobile telephone subscribers* .....58
4.09	Quality of primary education .....48	9.06	Internet users* .....64
4.10	Primary enrollment* .....34	9.07	Personal computers* .....35
4.11	Education expenditure* .....82	9.08	Broadband Internet subscribers* .....37
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....64	10.01	Domestic market size* .....61
5.02	Tertiary enrollment* .....56	10.02	Foreign market size* .....84
5.03	Quality of the educational system .....49	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....31	11.01	Local supplier quantity .....91
5.05	Quality of management schools .....87	11.02	Local supplier quality .....109
5.06	Internet access in schools .....79	11.03	State of cluster development .....104
5.07	Local availability of research and training services .....74	11.04	Nature of competitive advantage .....110
5.08	Extent of staff training .....121	11.05	Value chain breadth .....96
		11.06	Control of international distribution .....102
		11.07	Production process sophistication .....114
		11.08	Extent of marketing .....99
		11.09	Willingness to delegate authority .....94
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....92
		12.02	Quality of scientific research institutions .....49
		12.03	Company spending on R&D .....97
		12.04	University-industry research collaboration .....62
		12.05	Gov't procurement of advanced tech products .....92
		12.06	Availability of scientists and engineers .....50
		12.07	Utility patents* .....49

\* Hard data

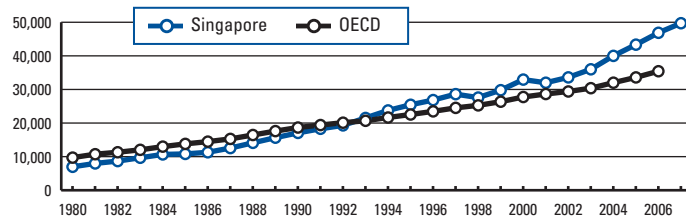
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Singapore

## Key indicators

Total population (millions), 2007 .....	4.4
GDP (US\$ billions), 2007 .....	161.3
GDP per capita (US\$), 2007 .....	35,162.9
GDP (PPP) as share (%) of world total, 2007 .....	0.34

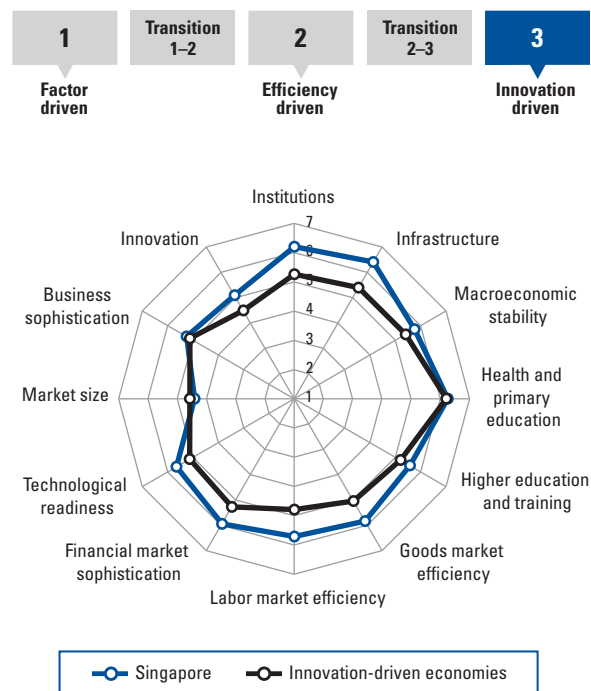
GDP (PPP US\$) per capita, 1980–2007



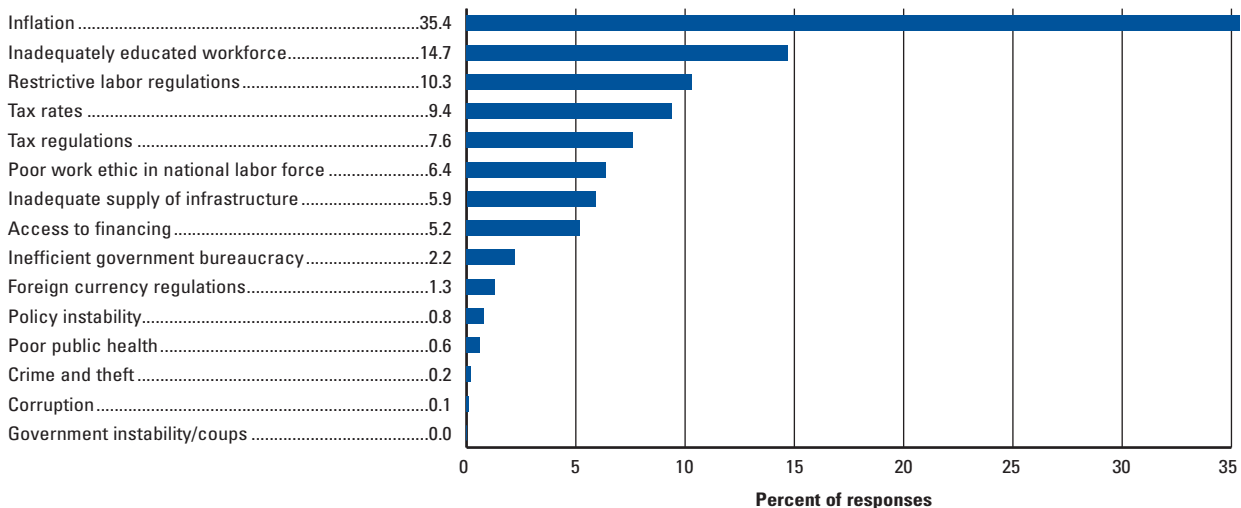
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>5</b>	<b>5.5</b>
GCI 2007–2008 (out of 131) .....	7	5.4
GCI 2006–2007 (out of 122) .....	8	5.5
<b>Basic requirements</b> .....	<b>3</b>	<b>6.1</b>
1st pillar: Institutions .....	1	6.2
2nd pillar: Infrastructure .....	4	6.4
3rd pillar: Macroeconomic stability .....	21	5.7
4th pillar: Health and primary education .....	16	6.2
<b>Efficiency enhancers</b> .....	<b>2</b>	<b>5.5</b>
5th pillar: Higher education and training .....	8	5.6
6th pillar: Goods market efficiency .....	1	5.8
7th pillar: Labor market efficiency .....	2	5.7
8th pillar: Financial market sophistication .....	2	5.9
9th pillar: Technological readiness .....	7	5.6
10th pillar: Market size .....	41	4.4
<b>Innovation and sophistication factors</b> .....	<b>11</b>	<b>5.2</b>
11th pillar: Business sophistication .....	14	5.3
12th pillar: Innovation .....	11	5.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	
<b>1st pillar: Institutions</b>		
1.01 Property rights	4	■
1.02 Intellectual property protection	2	■
1.03 Diversion of public funds	5	■
1.04 Public trust of politicians	1	■
1.05 Judicial independence	15	■
1.06 Favoritism in decisions of government officials	4	■
1.07 Wastefulness of government spending	1	■
1.08 Burden of government regulation	1	■
1.09 Efficiency of legal framework	2	■
1.10 Transparency of government policymaking	1	■
1.11 Business costs of terrorism	76	■
1.12 Business costs of crime and violence	9	■
1.13 Organized crime	8	■
1.14 Reliability of police services	6	■
1.15 Ethical behavior of firms	5	■
1.16 Strength of auditing and reporting standards	7	■
1.17 Efficacy of corporate boards	6	■
1.18 Protection of minority shareholders' interests	8	■
<b>2nd pillar: Infrastructure</b>		
2.01 Quality of overall infrastructure	2	■
2.02 Quality of roads	3	■
2.03 Quality of railroad infrastructure	10	■
2.04 Quality of port infrastructure	1	■
2.05 Quality of air transport infrastructure	1	■
2.06 Available seat kilometers*	17	■
2.07 Quality of electricity supply	13	■
2.08 Telephone lines*	30	■
<b>3rd pillar: Macroeconomic stability</b>		
3.01 Government surplus/deficit*	9	■
3.02 National savings rate*	6	■
3.03 Inflation*	24	■
3.04 Interest rate spread*	59	■
3.05 Government debt*	121	■
<b>4th pillar: Health and primary education</b>		
4.01 Business impact of malaria	56	■
4.02 Malaria incidence*	1	■
4.03 Business impact of tuberculosis	29	■
4.04 Tuberculosis incidence*	46	■
4.05 Business impact of HIV/AIDS	19	■
4.06 HIV prevalence*	50	■
4.07 Infant mortality*	2	■
4.08 Life expectancy*	12	■
4.09 Quality of primary education	3	■
4.10 Primary enrollment*	38	■
4.11 Education expenditure*	110	■
<b>5th pillar: Higher education and training</b>		
5.01 Secondary enrollment*	21	■
5.02 Tertiary enrollment*	31	■
5.03 Quality of the educational system	2	■
5.04 Quality of math and science education	2	■
5.05 Quality of management schools	7	■
5.06 Internet access in schools	9	■
5.07 Local availability of research and training services	13	■
5.08 Extent of staff training	3	■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

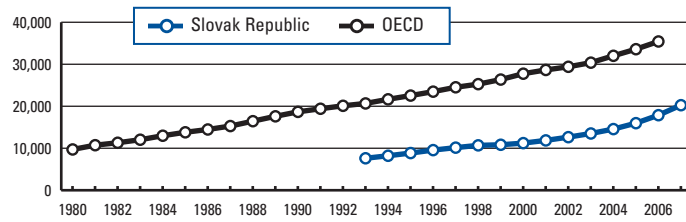
INDICATOR	RANK/134	
<b>6th pillar: Goods market efficiency</b>		
6.01 Intensity of local competition	30	■
6.02 Extent of market dominance	11	■
6.03 Effectiveness of anti-monopoly policy	20	■
6.04 Extent and effect of taxation	5	■
6.05 Total tax rate*	10	■
6.06 No. of procedures required to start a business*	9	■
6.07 Time required to start a business*	4	■
6.08 Agricultural policy costs	2	■
6.09 Prevalence of trade barriers	2	■
6.10 Trade-weighted tariff rate*	3	■
6.11 Prevalence of foreign ownership	3	■
6.12 Business impact of rules on FDI	2	■
6.13 Burden of customs procedures	1	■
6.14 Degree of customer orientation	10	■
6.15 Buyer sophistication	9	■
<b>7th pillar: Labor market efficiency</b>		
7.01 Cooperation in labor-employer relations	2	■
7.02 Flexibility of wage determination	4	■
7.03 Non-wage labor costs*	46	■
7.04 Rigidity of employment*	1	■
7.05 Hiring and firing practices	2	■
7.06 Firing costs*	7	■
7.07 Pay and productivity	2	■
7.08 Reliance on professional management	8	■
7.09 Brain drain	13	■
7.10 Female participation in labor force*	83	■
<b>8th pillar: Financial market sophistication</b>		
8.01 Financial market sophistication	10	■
8.02 Financing through local equity market	18	■
8.03 Ease of access to loans	11	■
8.04 Venture capital availability	12	■
8.05 Restriction on capital flows	7	■
8.06 Strength of investor protection*	2	■
8.07 Soundness of banks	13	■
8.08 Regulation of securities exchanges	7	■
8.09 Legal rights index*	3	■
<b>9th pillar: Technological readiness</b>		
9.01 Availability of latest technologies	14	■
9.02 Firm-level technology absorption	13	■
9.03 Laws relating to ICT	3	■
9.04 FDI and technology transfer	1	■
9.05 Mobile telephone subscribers*	15	■
9.06 Internet users*	15	■
9.07 Personal computers*	8	■
9.08 Broadband Internet subscribers*	22	■
<b>10th pillar: Market size</b>		
10.01 Domestic market size*	53	■
10.02 Foreign market size*	11	■
<b>11th pillar: Business sophistication</b>		
11.01 Local supplier quantity	44	■
11.02 Local supplier quality	22	■
11.03 State of cluster development	3	■
11.04 Nature of competitive advantage	16	■
11.05 Value chain breadth	14	■
11.06 Control of international distribution	57	■
11.07 Production process sophistication	14	■
11.08 Extent of marketing	17	■
11.09 Willingness to delegate authority	15	■
<b>12th pillar: Innovation</b>		
12.01 Capacity for innovation	19	■
12.02 Quality of scientific research institutions	13	■
12.03 Company spending on R&D	10	■
12.04 University-industry research collaboration	5	■
12.05 Gov't procurement of advanced tech products	1	■
12.06 Availability of scientists and engineers	22	■
12.07 Utility patents*	11	■

# Slovak Republic

## Key indicators

Total population (millions), 2007 .....	5.4
GDP (US\$ billions), 2007 .....	75.0
GDP per capita (US\$), 2007 .....	13,857.5
GDP (PPP) as share (%) of world total, 2007 .....	0.17

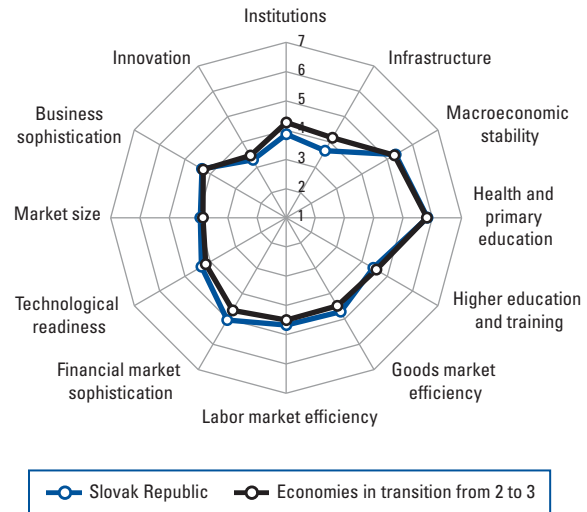
GDP (PPP US\$) per capita, 1980–2007



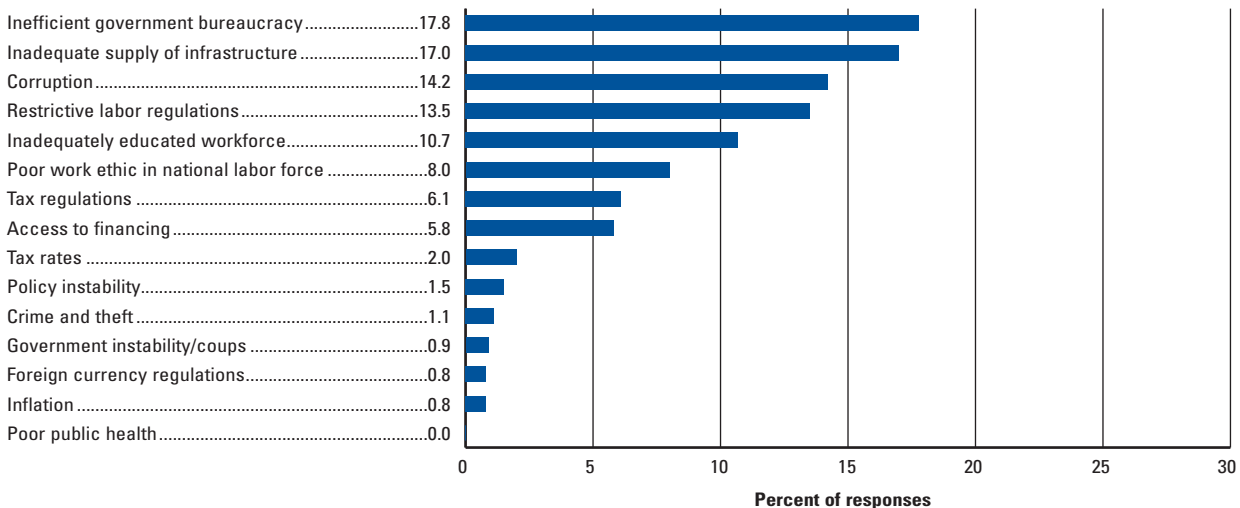
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>46</b>	<b>4.4</b>
GCI 2007–2008 (out of 131) .....	41	4.4
GCI 2006–2007 (out of 122) .....	36	4.5
<b>Basic requirements</b> .....	<b>52</b>	<b>4.7</b>
1st pillar: Institutions .....	73	3.9
2nd pillar: Infrastructure .....	64	3.6
3rd pillar: Macroeconomic stability .....	49	5.3
4th pillar: Health and primary education .....	44	5.8
<b>Efficiency enhancers</b> .....	<b>32</b>	<b>4.5</b>
5th pillar: Higher education and training .....	45	4.4
6th pillar: Goods market efficiency .....	35	4.7
7th pillar: Labor market efficiency .....	36	4.7
8th pillar: Financial market sophistication .....	31	5.0
9th pillar: Technological readiness .....	36	4.3
10th pillar: Market size .....	56	3.9
<b>Innovation and sophistication factors</b> .....	<b>53</b>	<b>3.8</b>
11th pillar: Business sophistication .....	53	4.3
12th pillar: Innovation .....	58	3.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	55 .....
1.02 Intellectual property protection .....	59 .....
1.03 Diversion of public funds .....	76 .....
1.04 Public trust of politicians .....	115 .....
1.05 Judicial independence .....	76 .....
1.06 Favoritism in decisions of government officials .....	116 .....
1.07 Wastefulness of government spending .....	104 .....
1.08 Burden of government regulation .....	102 .....
1.09 Efficiency of legal framework .....	103 .....
1.10 Transparency of government policymaking .....	50 .....
1.11 Business costs of terrorism .....	7 .....
1.12 Business costs of crime and violence .....	44 .....
1.13 Organized crime .....	64 .....
1.14 Reliability of police services .....	102 .....
1.15 Ethical behavior of firms .....	83 .....
1.16 Strength of auditing and reporting standards .....	62 .....
1.17 Efficacy of corporate boards .....	21 .....
1.18 Protection of minority shareholders' interests .....	92 .....
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	65 .....
2.02 Quality of roads .....	82 .....
2.03 Quality of railroad infrastructure .....	29 .....
2.04 Quality of port infrastructure .....	56 .....
2.05 Quality of air transport infrastructure .....	109 .....
2.06 Available seat kilometers* .....	102 .....
2.07 Quality of electricity supply .....	27 .....
2.08 Telephone lines* .....	60 .....
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	90 .....
3.02 National savings rate* .....	68 .....
3.03 Inflation* .....	41 .....
3.04 Interest rate spread* .....	50 .....
3.05 Government debt* .....	49 .....
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	22 .....
4.02 Malaria incidence* .....	1 .....
4.03 Business impact of tuberculosis .....	34 .....
4.04 Tuberculosis incidence* .....	31 .....
4.05 Business impact of HIV/AIDS .....	11 .....
4.06 HIV prevalence* .....	1 .....
4.07 Infant mortality* .....	36 .....
4.08 Life expectancy* .....	50 .....
4.09 Quality of primary education .....	38 .....
4.10 Primary enrollment* .....	71 .....
4.11 Education expenditure* .....	70 .....
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	47 .....
5.02 Tertiary enrollment* .....	48 .....
5.03 Quality of the educational system .....	76 .....
5.04 Quality of math and science education .....	35 .....
5.05 Quality of management schools .....	68 .....
5.06 Internet access in schools .....	35 .....
5.07 Local availability of research and training services .....	59 .....
5.08 Extent of staff training .....	40 .....

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	17 .....
6.02 Extent of market dominance .....	22 .....
6.03 Effectiveness of anti-monopoly policy .....	35 .....
6.04 Extent and effect of taxation .....	17 .....
6.05 Total tax rate* .....	87 .....
6.06 No. of procedures required to start a business* .....	58 .....
6.07 Time required to start a business* .....	55 .....
6.08 Agricultural policy costs .....	122 .....
6.09 Prevalence of trade barriers .....	6 .....
6.10 Trade-weighted tariff rate* .....	5 .....
6.11 Prevalence of foreign ownership .....	4 .....
6.12 Business impact of rules on FDI .....	5 .....
6.13 Burden of customs procedures .....	26 .....
6.14 Degree of customer orientation .....	68 .....
6.15 Buyer sophistication .....	77 .....
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	40 .....
7.02 Flexibility of wage determination .....	16 .....
7.03 Non-wage labor costs* .....	121 .....
7.04 Rigidity of employment* .....	64 .....
7.05 Hiring and firing practices .....	65 .....
7.06 Firing costs* .....	19 .....
7.07 Pay and productivity .....	3 .....
7.08 Reliance on professional management .....	34 .....
7.09 Brain drain .....	100 .....
7.10 Female participation in labor force* .....	49 .....
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	41 .....
8.02 Financing through local equity market .....	101 .....
8.03 Ease of access to loans .....	20 .....
8.04 Venture capital availability .....	40 .....
8.05 Restriction on capital flows .....	20 .....
8.06 Strength of investor protection* .....	81 .....
8.07 Soundness of banks .....	23 .....
8.08 Regulation of securities exchanges .....	76 .....
8.09 Legal rights index* .....	3 .....
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	46 .....
9.02 Firm-level technology absorption .....	37 .....
9.03 Laws relating to ICT .....	62 .....
9.04 FDI and technology transfer .....	3 .....
9.05 Mobile telephone subscribers* .....	41 .....
9.06 Internet users* .....	34 .....
9.07 Personal computers* .....	23 .....
9.08 Broadband Internet subscribers* .....	39 .....
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	58 .....
10.02 Foreign market size* .....	46 .....
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	28 .....
11.02 Local supplier quality .....	51 .....
11.03 State of cluster development .....	70 .....
11.04 Nature of competitive advantage .....	107 .....
11.05 Value chain breadth .....	50 .....
11.06 Control of international distribution .....	90 .....
11.07 Production process sophistication .....	42 .....
11.08 Extent of marketing .....	51 .....
11.09 Willingness to delegate authority .....	29 .....
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	56 .....
12.02 Quality of scientific research institutions .....	81 .....
12.03 Company spending on R&D .....	55 .....
12.04 University-industry research collaboration .....	56 .....
12.05 Gov't procurement of advanced tech products .....	97 .....
12.06 Availability of scientists and engineers .....	29 .....
12.07 Utility patents* .....	46 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

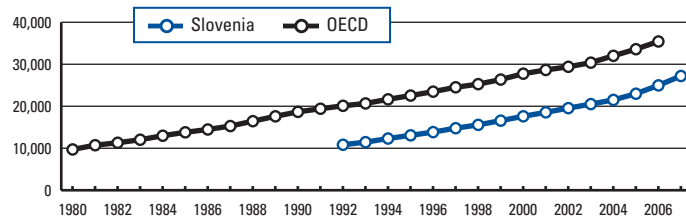


# Slovenia

## Key indicators

Total population (millions), 2007 .....	2.0
GDP (US\$ billions), 2007 .....	46.1
GDP per capita (US\$), 2007 .....	22,932.7
GDP (PPP) as share (%) of world total, 2007 .....	0.08

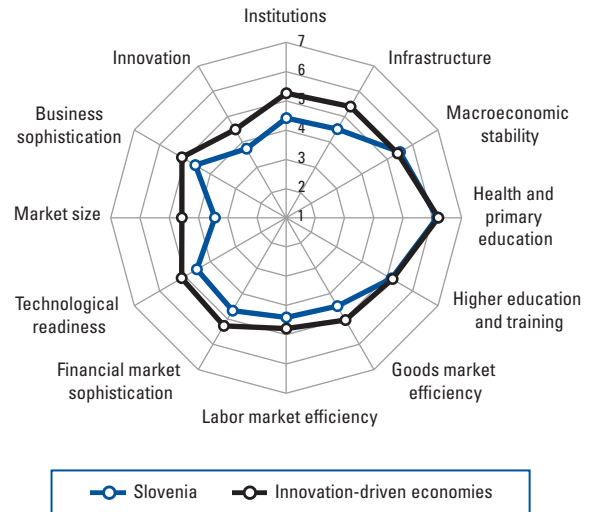
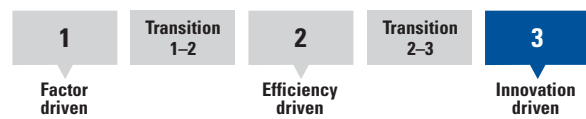
GDP (PPP US\$) per capita, 1980–2007



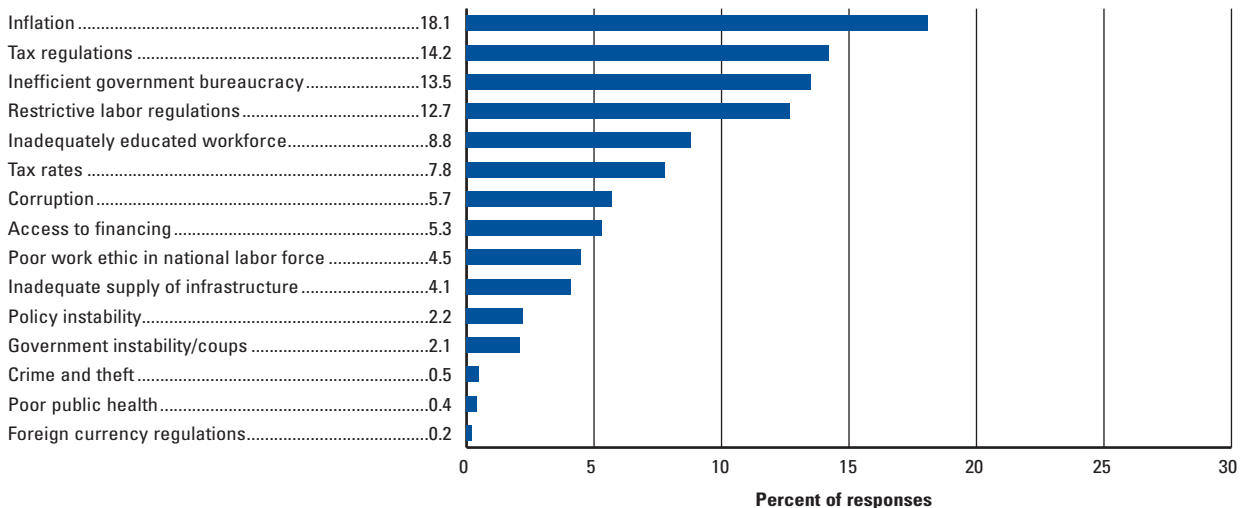
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>42</b>	<b>4.5</b>
GCI 2007–2008 (out of 131) .....	39	4.5
GCI 2006–2007 (out of 122) .....	40	4.5
<b>Basic requirements</b> .....	<b>38</b>	<b>5.1</b>
1st pillar: Institutions .....	49	4.4
2nd pillar: Infrastructure .....	36	4.5
3rd pillar: Macroeconomic stability .....	33	5.5
4th pillar: Health and primary education .....	21	6.2
<b>Efficiency enhancers</b> .....	<b>37</b>	<b>4.4</b>
5th pillar: Higher education and training .....	22	5.1
6th pillar: Goods market efficiency .....	50	4.5
7th pillar: Labor market efficiency .....	61	4.4
8th pillar: Financial market sophistication .....	46	4.7
9th pillar: Technological readiness .....	30	4.5
10th pillar: Market size .....	70	3.4
<b>Innovation and sophistication factors</b> .....	<b>33</b>	<b>4.2</b>
11th pillar: Business sophistication .....	34	4.6
12th pillar: Innovation .....	33	3.7

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....57	6.01	Intensity of local competition .....60
1.02	Intellectual property protection .....41	6.02	Extent of market dominance .....46
1.03	Diversion of public funds .....44	6.03	Effectiveness of anti-monopoly policy .....48
1.04	Public trust of politicians .....47	6.04	Extent and effect of taxation .....96
1.05	Judicial independence .....60	6.05	Total tax rate* .....54
1.06	Favoritism in decisions of government officials .....62	6.06	No. of procedures required to start a business* .....58
1.07	Wastefulness of government spending .....73	6.07	Time required to start a business* .....110
1.08	Burden of government regulation .....41	6.08	Agricultural policy costs .....95
1.09	Efficiency of legal framework .....53	6.09	Prevalence of trade barriers .....36
1.10	Transparency of government policymaking .....43	6.10	Trade-weighted tariff rate* .....5
1.11	Business costs of terrorism .....25	6.11	Prevalence of foreign ownership .....107
1.12	Business costs of crime and violence .....22	6.12	Business impact of rules on FDI .....114
1.13	Organized crime .....41	6.13	Burden of customs procedures .....16
1.14	Reliability of police services .....57	6.14	Degree of customer orientation .....30
1.15	Ethical behavior of firms .....52	6.15	Buyer sophistication .....45
1.16	Strength of auditing and reporting standards .....49	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....47	7.01	Cooperation in labor-employer relations .....66
1.18	Protection of minority shareholders' interests .....100	7.02	Flexibility of wage determination .....109
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....80
2.01	Quality of overall infrastructure .....36	7.04	Rigidity of employment* .....121
2.02	Quality of roads .....41	7.05	Hiring and firing practices .....118
2.03	Quality of railroad infrastructure .....43	7.06	Firing costs* .....74
2.04	Quality of port infrastructure .....39	7.07	Pay and productivity .....37
2.05	Quality of air transport infrastructure .....63	7.08	Reliance on professional management .....69
2.06	Available seat kilometers* .....115	7.09	Brain drain .....45
2.07	Quality of electricity supply .....32	7.10	Female participation in labor force* .....23
2.08	Telephone lines* .....29	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....53
3.01	Government surplus/deficit* .....62	8.02	Financing through local equity market .....76
3.02	National savings rate* .....46	8.03	Ease of access to loans .....27
3.03	Inflation* .....53	8.04	Venture capital availability .....42
3.04	Interest rate spread* .....34	8.05	Restriction on capital flows .....56
3.05	Government debt* .....37	8.06	Strength of investor protection* .....19
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....69
4.01	Business impact of malaria .....29	8.08	Regulation of securities exchanges .....70
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....27	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....24	9.01	Availability of latest technologies .....48
4.05	Business impact of HIV/AIDS .....25	9.02	Firm-level technology absorption .....60
4.06	HIV prevalence* .....1	9.03	Laws relating to ICT .....25
4.07	Infant mortality* .....4	9.04	FDI and technology transfer .....125
4.08	Life expectancy* .....29	9.05	Mobile telephone subscribers* .....38
4.09	Quality of primary education .....24	9.06	Internet users* .....13
4.10	Primary enrollment* .....49	9.07	Personal computers* .....25
4.11	Education expenditure* .....24	9.08	Broadband Internet subscribers* .....29
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....43	10.01	Domestic market size* .....74
5.02	Tertiary enrollment* .....5	10.02	Foreign market size* .....65
5.03	Quality of the educational system .....35	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....28	11.01	Local supplier quantity .....58
5.05	Quality of management schools .....39	11.02	Local supplier quality .....31
5.06	Internet access in schools .....16	11.03	State of cluster development .....48
5.07	Local availability of research and training services .....33	11.04	Nature of competitive advantage .....27
5.08	Extent of staff training .....43	11.05	Value chain breadth .....24
		11.06	Control of international distribution .....34
		11.07	Production process sophistication .....34
		11.08	Extent of marketing .....40
		11.09	Willingness to delegate authority .....64
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....20
		12.02	Quality of scientific research institutions .....28
		12.03	Company spending on R&D .....27
		12.04	University-industry research collaboration .....31
		12.05	Gov't procurement of advanced tech products .....89
		12.06	Availability of scientists and engineers .....85
		12.07	Utility patents* .....26

\* Hard data

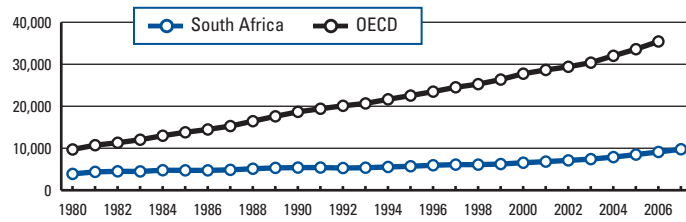
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# South Africa

## Key indicators

Total population (millions), 2007 .....	47.7
GDP (US\$ billions), 2007 .....	282.6
GDP per capita (US\$), 2007 .....	5,906.5
GDP (PPP) as share (%) of world total, 2007 .....	0.72

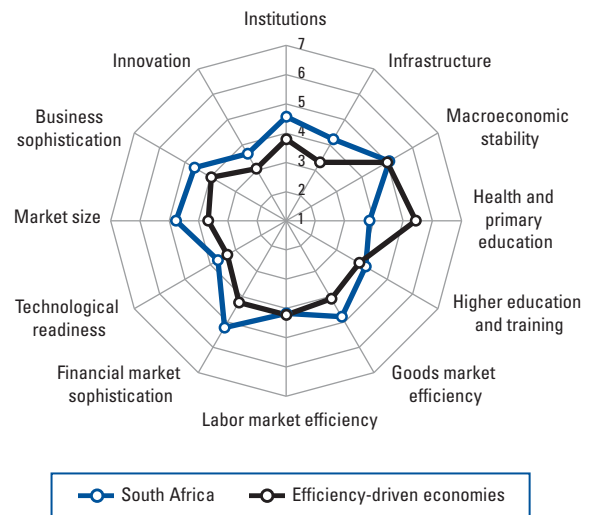
GDP (PPP US\$) per capita, 1980–2007



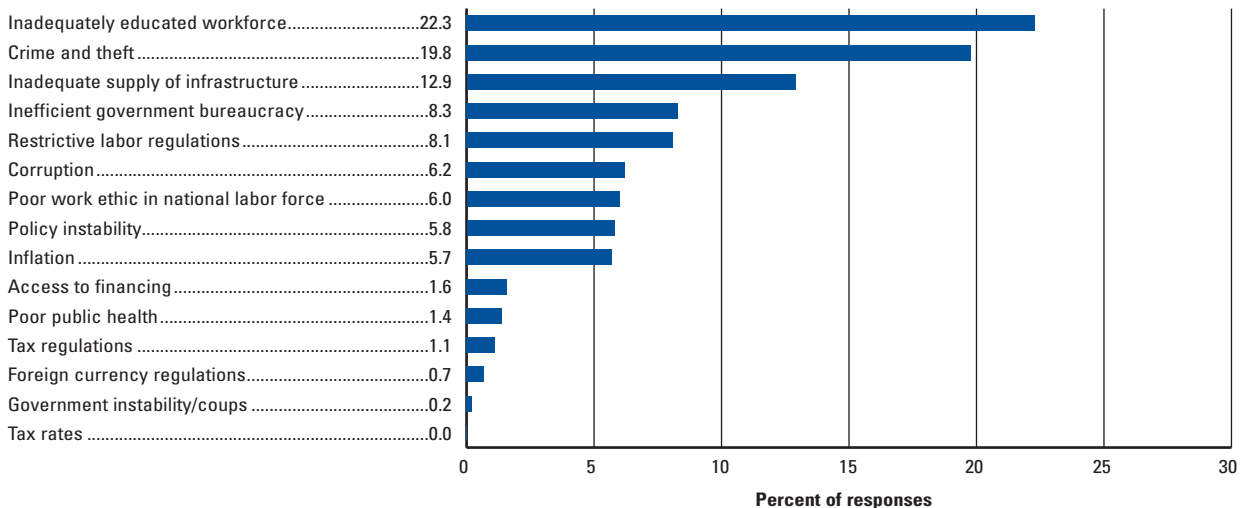
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>45</b>	<b>4.4</b>
GCI 2007–2008 (out of 131) .....	44	4.4
GCI 2006–2007 (out of 122) .....	35	4.5
<b>Basic requirements</b> .....	<b>69</b>	<b>4.4</b>
1st pillar: Institutions .....	46	4.6
2nd pillar: Infrastructure .....	48	4.2
3rd pillar: Macroeconomic stability .....	63	5.1
4th pillar: Health and primary education .....	122	3.8
<b>Efficiency enhancers</b> .....	<b>35</b>	<b>4.5</b>
5th pillar: Higher education and training .....	57	4.1
6th pillar: Goods market efficiency .....	31	4.8
7th pillar: Labor market efficiency .....	88	4.2
8th pillar: Financial market sophistication .....	24	5.2
9th pillar: Technological readiness .....	49	3.7
10th pillar: Market size .....	23	4.8
<b>Innovation and sophistication factors</b> .....	<b>36</b>	<b>4.1</b>
11th pillar: Business sophistication .....	33	4.6
12th pillar: Innovation .....	37	3.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	20
1.02 Intellectual property protection	23
1.03 Diversion of public funds	49
1.04 Public trust of politicians	50
1.05 Judicial independence	30
1.06 Favoritism in decisions of government officials	50
1.07 Wastefulness of government spending	29
1.08 Burden of government regulation	95
1.09 Efficiency of legal framework	20
1.10 Transparency of government policymaking	29
1.11 Business costs of terrorism	36
1.12 Business costs of crime and violence	134
1.13 Organized crime	126
1.14 Reliability of police services	109
1.15 Ethical behavior of firms	42
1.16 Strength of auditing and reporting standards	4
1.17 Efficacy of corporate boards	8
1.18 Protection of minority shareholders' interests	13
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	46
2.02 Quality of roads	40
2.03 Quality of railroad infrastructure	37
2.04 Quality of port infrastructure	49
2.05 Quality of air transport infrastructure	25
2.06 Available seat kilometers*	21
2.07 Quality of electricity supply	101
2.08 Telephone lines*	91
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	47
3.02 National savings rate*	102
3.03 Inflation*	91
3.04 Interest rate spread*	45
3.05 Government debt*	54
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	95
4.02 Malaria incidence*	85
4.03 Business impact of tuberculosis	129
4.04 Tuberculosis incidence*	134
4.05 Business impact of HIV/AIDS	133
4.06 HIV prevalence*	132
4.07 Infant mortality*	101
4.08 Life expectancy*	121
4.09 Quality of primary education	104
4.10 Primary enrollment*	97
4.11 Education expenditure*	32
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	44
5.02 Tertiary enrollment*	93
5.03 Quality of the educational system	110
5.04 Quality of math and science education	132
5.05 Quality of management schools	25
5.06 Internet access in schools	91
5.07 Local availability of research and training services	29
5.08 Extent of staff training	15

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

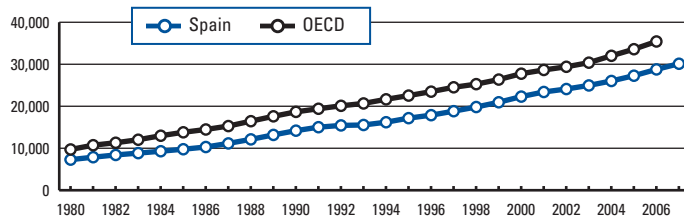
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	59
6.02 Extent of market dominance	33
6.03 Effectiveness of anti-monopoly policy	13
6.04 Extent and effect of taxation	25
6.05 Total tax rate*	45
6.06 No. of procedures required to start a business*	44
6.07 Time required to start a business*	70
6.08 Agricultural policy costs	12
6.09 Prevalence of trade barriers	43
6.10 Trade-weighted tariff rate*	75
6.11 Prevalence of foreign ownership	58
6.12 Business impact of rules on FDI	77
6.13 Burden of customs procedures	58
6.14 Degree of customer orientation	78
6.15 Buyer sophistication	28
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	119
7.02 Flexibility of wage determination	123
7.03 Non-wage labor costs*	14
7.04 Rigidity of employment*	81
7.05 Hiring and firing practices	129
7.06 Firing costs*	39
7.07 Pay and productivity	81
7.08 Reliance on professional management	16
7.09 Brain drain	72
7.10 Female participation in labor force*	103
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	12
8.02 Financing through local equity market	4
8.03 Ease of access to loans	31
8.04 Venture capital availability	29
8.05 Restriction on capital flows	111
8.06 Strength of investor protection*	9
8.07 Soundness of banks	15
8.08 Regulation of securities exchanges	5
8.09 Legal rights index*	52
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	37
9.02 Firm-level technology absorption	32
9.03 Laws relating to ICT	34
9.04 FDI and technology transfer	38
9.05 Mobile telephone subscribers*	48
9.06 Internet users*	95
9.07 Personal computers*	68
9.08 Broadband Internet subscribers*	77
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	22
10.02 Foreign market size*	36
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	43
11.02 Local supplier quality	24
11.03 State of cluster development	40
11.04 Nature of competitive advantage	72
11.05 Value chain breadth	75
11.06 Control of international distribution	37
11.07 Production process sophistication	43
11.08 Extent of marketing	15
11.09 Willingness to delegate authority	22
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	36
12.02 Quality of scientific research institutions	31
12.03 Company spending on R&D	28
12.04 University-industry research collaboration	28
12.05 Gov't procurement of advanced tech products	63
12.06 Availability of scientists and engineers	110
12.07 Utility patents*	39

# Spain

## Key indicators

Total population (millions), 2007 .....	43.6
GDP (US\$ billions), 2007 .....	1,439.0
GDP per capita (US\$), 2007 .....	32,067.0
GDP (PPP) as share (%) of world total, 2007 .....	2.09

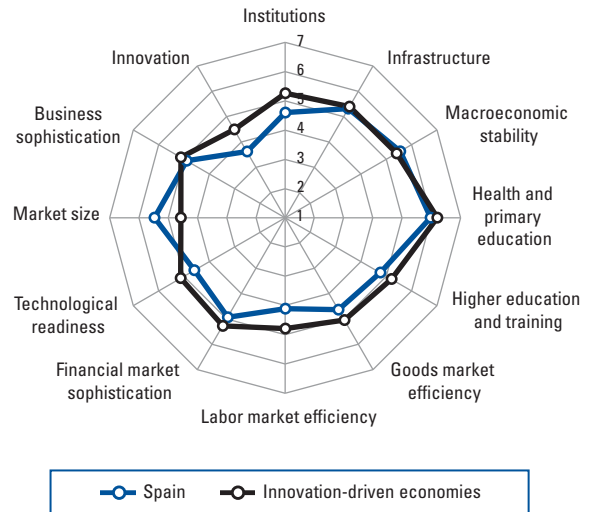
GDP (PPP US\$) per capita, 1980–2007



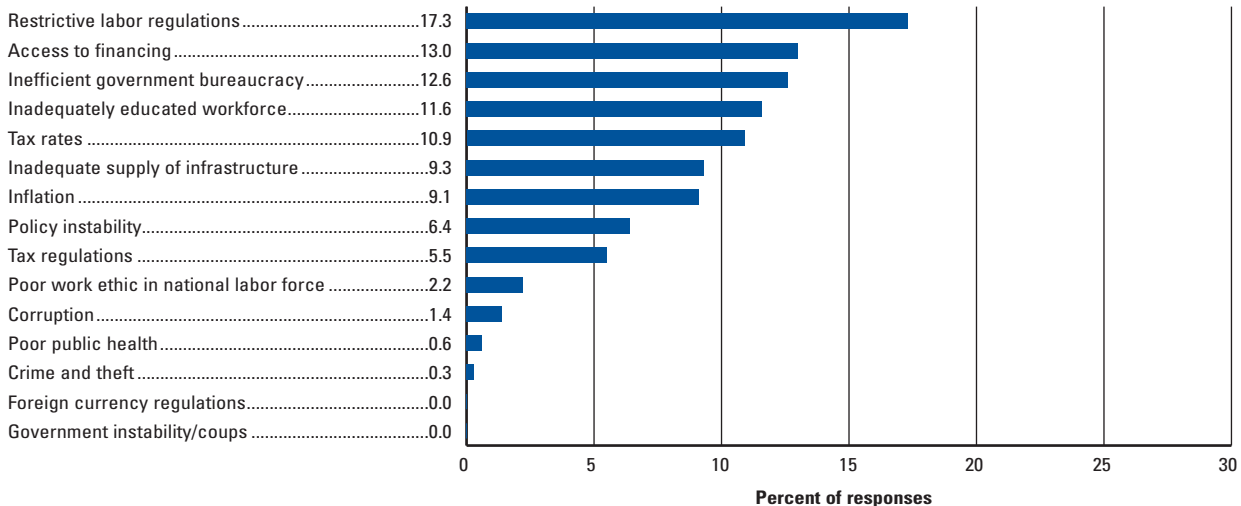
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>29</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	29	4.7
GCI 2006–2007 (out of 122) .....	29	4.7
<b>Basic requirements</b> .....	<b>27</b>	<b>5.3</b>
1st pillar: Institutions .....	43	4.6
2nd pillar: Infrastructure .....	22	5.3
3rd pillar: Macroeconomic stability .....	30	5.5
4th pillar: Health and primary education .....	35	6.0
<b>Efficiency enhancers</b> .....	<b>25</b>	<b>4.7</b>
5th pillar: Higher education and training .....	30	4.7
6th pillar: Goods market efficiency .....	41	4.6
7th pillar: Labor market efficiency .....	96	4.1
8th pillar: Financial market sophistication .....	36	4.9
9th pillar: Technological readiness .....	29	4.6
10th pillar: Market size .....	12	5.5
<b>Innovation and sophistication factors</b> .....	<b>29</b>	<b>4.2</b>
11th pillar: Business sophistication .....	24	4.9
12th pillar: Innovation .....	39	3.6

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	42	6.01 Intensity of local competition	15
1.02 Intellectual property protection	34	6.02 Extent of market dominance	15
1.03 Diversion of public funds	32	6.03 Effectiveness of anti-monopoly policy	33
1.04 Public trust of politicians	39	6.04 Extent and effect of taxation	75
1.05 Judicial independence	56	6.05 Total tax rate*	110
1.06 Favoritism in decisions of government officials	43	6.06 No. of procedures required to start a business*	75
1.07 Wastefulness of government spending	28	6.07 Time required to start a business*	102
1.08 Burden of government regulation	94	6.08 Agricultural policy costs	92
1.09 Efficiency of legal framework	43	6.09 Prevalence of trade barriers	45
1.10 Transparency of government policymaking	89	6.10 Trade-weighted tariff rate*	5
1.11 Business costs of terrorism	108	6.11 Prevalence of foreign ownership	63
1.12 Business costs of crime and violence	59	6.12 Business impact of rules on FDI	76
1.13 Organized crime	54	6.13 Burden of customs procedures	40
1.14 Reliability of police services	26	6.14 Degree of customer orientation	43
1.15 Ethical behavior of firms	33	6.15 Buyer sophistication	31
1.16 Strength of auditing and reporting standards	37		
1.17 Efficacy of corporate boards	36	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	53	7.01 Cooperation in labor-employer relations	74
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	104
2.01 Quality of overall infrastructure	27	7.03 Non-wage labor costs*	117
2.02 Quality of roads	30	7.04 Rigidity of employment*	114
2.03 Quality of railroad infrastructure	19	7.05 Hiring and firing practices	116
2.04 Quality of port infrastructure	33	7.06 Firing costs*	85
2.05 Quality of air transport infrastructure	34	7.07 Pay and productivity	84
2.06 Available seat kilometers*	7	7.08 Reliance on professional management	33
2.07 Quality of electricity supply	38	7.09 Brain drain	28
2.08 Telephone lines*	21	7.10 Female participation in labor force*	78
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	32	8.01 Financial market sophistication	23
3.02 National savings rate*	72	8.02 Financing through local equity market	55
3.03 Inflation*	44	8.03 Ease of access to loans	47
3.04 Interest rate spread*	76	8.04 Venture capital availability	32
3.05 Government debt*	75	8.05 Restriction on capital flows	72
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	67
4.01 Business impact of malaria	43	8.07 Soundness of banks	20
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	46
4.03 Business impact of tuberculosis	31	8.09 Legal rights index*	29
4.04 Tuberculosis incidence*	51	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	41	9.01 Availability of latest technologies	40
4.06 HIV prevalence*	79	9.02 Firm-level technology absorption	57
4.07 Infant mortality*	10	9.03 Laws relating to ICT	35
4.08 Life expectancy*	5	9.04 FDI and technology transfer	58
4.09 Quality of primary education	55	9.05 Mobile telephone subscribers*	22
4.10 Primary enrollment*	4	9.06 Internet users*	32
4.11 Education expenditure*	78	9.07 Personal computers*	30
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	25
5.01 Secondary enrollment*	4	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	18	10.01 Domestic market size*	11
5.03 Quality of the educational system	52	10.02 Foreign market size*	19
5.04 Quality of math and science education	78	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	6	11.01 Local supplier quantity	10
5.06 Internet access in schools	43	11.02 Local supplier quality	25
5.07 Local availability of research and training services	37	11.03 State of cluster development	37
5.08 Extent of staff training	63	11.04 Nature of competitive advantage	28
		11.05 Value chain breadth	21
		11.06 Control of international distribution	32
		11.07 Production process sophistication	28
		11.08 Extent of marketing	14
		11.09 Willingness to delegate authority	40
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	30
		12.02 Quality of scientific research institutions	55
		12.03 Company spending on R&D	39
		12.04 University-industry research collaboration	46
		12.05 Gov't procurement of advanced tech products	55
		12.06 Availability of scientists and engineers	38
		12.07 Utility patents*	28

\* Hard data

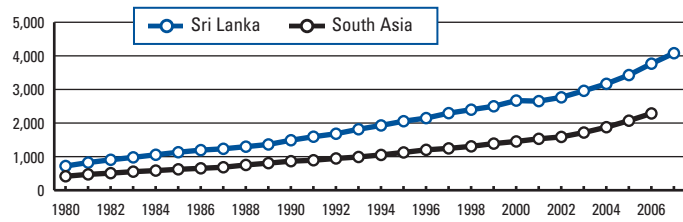
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Sri Lanka

## Key indicators

Total population (millions), 2007 .....	21.1
GDP (US\$ billions), 2007 .....	30.0
GDP per capita (US\$), 2007 .....	1,506.0
GDP (PPP) as share (%) of world total, 2007 .....	0.13

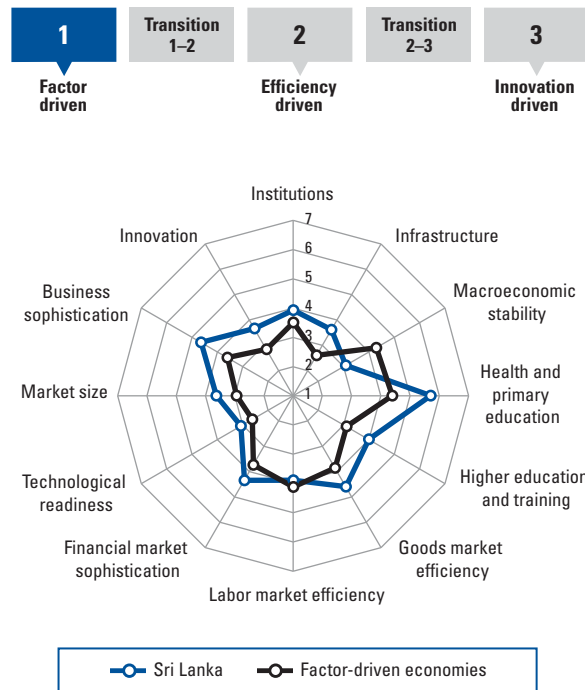
GDP (PPP US\$) per capita, 1980–2007



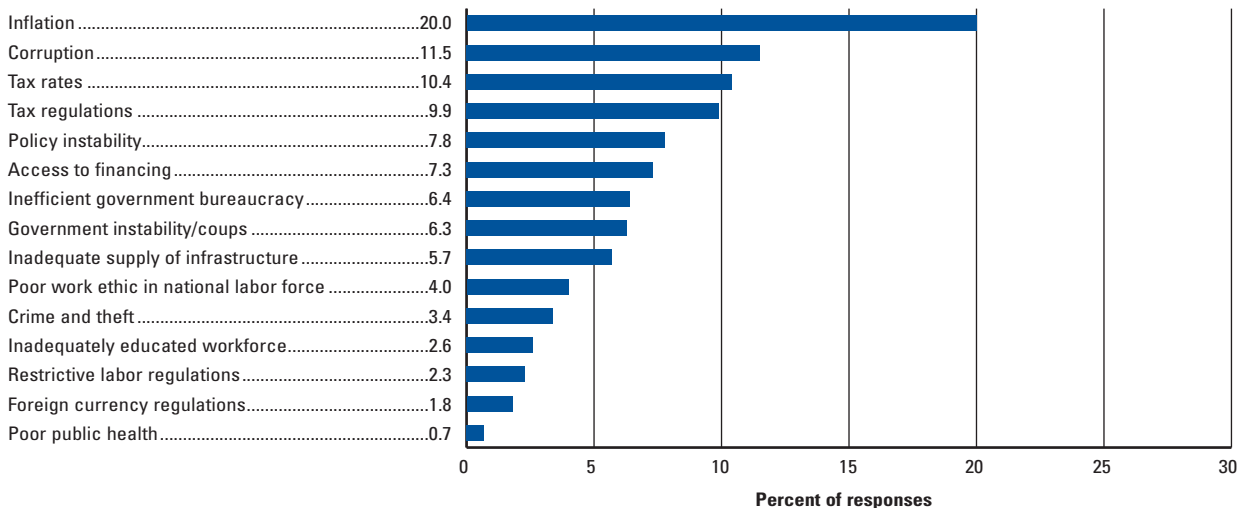
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>77</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	70	4.0
GCI 2006–2007 (out of 122) .....	81	3.8
<b>Basic requirements</b> .....	<b>92</b>	<b>4.1</b>
1st pillar: Institutions .....	66	3.9
2nd pillar: Infrastructure .....	65	3.6
3rd pillar: Macroeconomic stability .....	132	3.1
4th pillar: Health and primary education .....	53	5.7
<b>Efficiency enhancers</b> .....	<b>74</b>	<b>3.9</b>
5th pillar: Higher education and training .....	65	4.0
6th pillar: Goods market efficiency .....	42	4.6
7th pillar: Labor market efficiency .....	115	3.9
8th pillar: Financial market sophistication .....	65	4.3
9th pillar: Technological readiness .....	82	3.1
10th pillar: Market size .....	64	3.6
<b>Innovation and sophistication factors</b> .....	<b>34</b>	<b>4.1</b>
11th pillar: Business sophistication .....	32	4.6
12th pillar: Innovation .....	36	3.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	60
1.02 Intellectual property protection	56
1.03 Diversion of public funds	61
1.04 Public trust of politicians	77
1.05 Judicial independence	58
1.06 Favoritism in decisions of government officials	72
1.07 Wastefulness of government spending	74
1.08 Burden of government regulation	44
1.09 Efficiency of legal framework	57
1.10 Transparency of government policymaking	88
1.11 Business costs of terrorism	133
1.12 Business costs of crime and violence	94
1.13 Organized crime	88
1.14 Reliability of police services	93
1.15 Ethical behavior of firms	81
1.16 Strength of auditing and reporting standards	39
1.17 Efficacy of corporate boards	32
1.18 Protection of minority shareholders' interests	44
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	62
2.02 Quality of roads	63
2.03 Quality of railroad infrastructure	46
2.04 Quality of port infrastructure	44
2.05 Quality of air transport infrastructure	65
2.06 Available seat kilometers*	60
2.07 Quality of electricity supply	72
2.08 Telephone lines*	93
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	130
3.02 National savings rate*	54
3.03 Inflation*	133
3.04 Interest rate spread*	99
3.05 Government debt*	118
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	73
4.02 Malaria incidence*	92
4.03 Business impact of tuberculosis	59
4.04 Tuberculosis incidence*	70
4.05 Business impact of HIV/AIDS	39
4.06 HIV prevalence*	1
4.07 Infant mortality*	54
4.08 Life expectancy*	66
4.09 Quality of primary education	42
4.10 Primary enrollment*	37
4.11 Education expenditure*	109
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	66
5.02 Tertiary enrollment*	102
5.03 Quality of the educational system	44
5.04 Quality of math and science education	41
5.05 Quality of management schools	41
5.06 Internet access in schools	77
5.07 Local availability of research and training services	41
5.08 Extent of staff training	59

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	33
6.02 Extent of market dominance	41
6.03 Effectiveness of anti-monopoly policy	37
6.04 Extent and effect of taxation	59
6.05 Total tax rate*	112
6.06 No. of procedures required to start a business*	9
6.07 Time required to start a business*	90
6.08 Agricultural policy costs	70
6.09 Prevalence of trade barriers	97
6.10 Trade-weighted tariff rate*	88
6.11 Prevalence of foreign ownership	70
6.12 Business impact of rules on FDI	27
6.13 Burden of customs procedures	71
6.14 Degree of customer orientation	32
6.15 Buyer sophistication	33
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	76
7.02 Flexibility of wage determination	76
7.03 Non-wage labor costs*	60
7.04 Rigidity of employment*	40
7.05 Hiring and firing practices	75
7.06 Firing costs*	123
7.07 Pay and productivity	53
7.08 Reliance on professional management	43
7.09 Brain drain	54
7.10 Female participation in labor force*	116
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	51
8.02 Financing through local equity market	40
8.03 Ease of access to loans	49
8.04 Venture capital availability	54
8.05 Restriction on capital flows	87
8.06 Strength of investor protection*	50
8.07 Soundness of banks	70
8.08 Regulation of securities exchanges	39
8.09 Legal rights index*	93
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	54
9.02 Firm-level technology absorption	45
9.03 Laws relating to ICT	59
9.04 FDI and technology transfer	47
9.05 Mobile telephone subscribers*	102
9.06 Internet users*	117
9.07 Personal computers*	94
9.08 Broadband Internet subscribers*	98
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	62
10.02 Foreign market size*	74
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	49
11.02 Local supplier quality	47
11.03 State of cluster development	28
11.04 Nature of competitive advantage	31
11.05 Value chain breadth	30
11.06 Control of international distribution	19
11.07 Production process sophistication	49
11.08 Extent of marketing	37
11.09 Willingness to delegate authority	44
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	34
12.02 Quality of scientific research institutions	36
12.03 Company spending on R&D	32
12.04 University-industry research collaboration	36
12.05 Gov't procurement of advanced tech products	51
12.06 Availability of scientists and engineers	30
12.07 Utility patents*	71

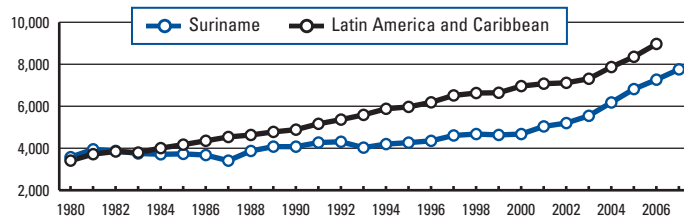


# Suriname

## Key indicators

Total population (millions), 2007 .....	0.5
GDP (US\$ billions), 2007 .....	2.4
GDP per capita (US\$), 2007 .....	4,577.4
GDP (PPP) as share (%) of world total, 2007 .....	0.01

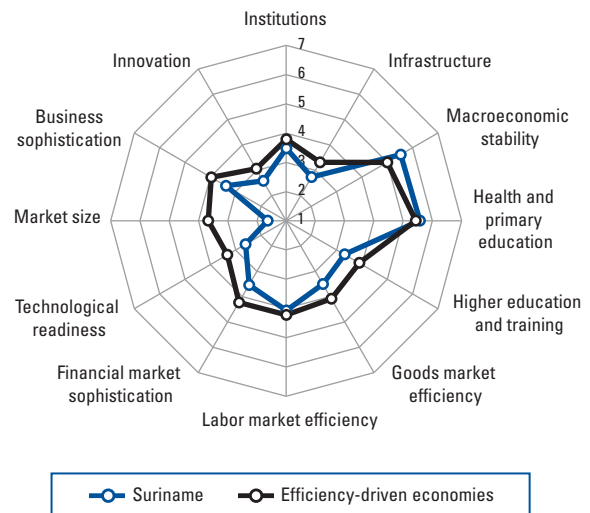
GDP (PPP US\$) per capita, 1980–2007



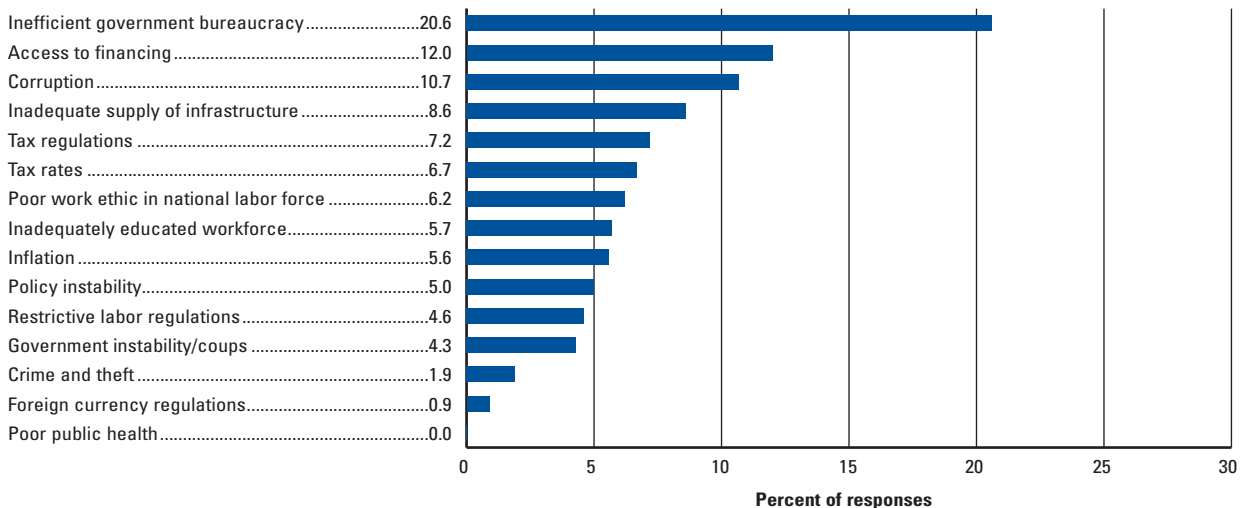
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>103</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	113	3.4
GCI 2006–2007 (out of 122) .....	103	3.5
<b>Basic requirements</b> .....	<b>73</b>	<b>4.3</b>
1st pillar: Institutions .....	99	3.5
2nd pillar: Infrastructure .....	99	2.7
3rd pillar: Macroeconomic stability .....	32	5.5
4th pillar: Health and primary education .....	63	5.6
<b>Efficiency enhancers</b> .....	<b>127</b>	<b>3.1</b>
5th pillar: Higher education and training .....	100	3.3
6th pillar: Goods market efficiency .....	125	3.5
7th pillar: Labor market efficiency .....	104	4.1
8th pillar: Financial market sophistication .....	114	3.5
9th pillar: Technological readiness .....	108	2.6
10th pillar: Market size .....	130	1.6
<b>Innovation and sophistication factors</b> .....	<b>117</b>	<b>3.0</b>
11th pillar: Business sophistication .....	113	3.4
12th pillar: Innovation .....	117	2.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	106 ■	6.01 Intensity of local competition .....	94 ■
1.02 Intellectual property protection .....	128 ■	6.02 Extent of market dominance .....	86 ■
1.03 Diversion of public funds .....	63 ■	6.03 Effectiveness of anti-monopoly policy .....	128 ■
1.04 Public trust of politicians .....	114 ■	6.04 Extent and effect of taxation .....	108 ■
1.05 Judicial independence .....	50 ■	6.05 Total tax rate* .....	15 ■
1.06 Favoritism in decisions of government officials .....	106 ■	6.06 No. of procedures required to start a business* .....	108 ■
1.07 Wastefulness of government spending .....	105 ■	6.07 Time required to start a business* .....	128 ■
1.08 Burden of government regulation .....	108 ■	6.08 Agricultural policy costs .....	123 ■
1.09 Efficiency of legal framework .....	83 ■	6.09 Prevalence of trade barriers .....	40 ■
1.10 Transparency of government policymaking .....	123 ■	6.10 Trade-weighted tariff rate* .....	85 ■
1.11 Business costs of terrorism .....	77 ■	6.11 Prevalence of foreign ownership .....	108 ■
1.12 Business costs of crime and violence .....	100 ■	6.12 Business impact of rules on FDI .....	127 ■
1.13 Organized crime .....	79 ■	6.13 Burden of customs procedures .....	128 ■
1.14 Reliability of police services .....	55 ■	6.14 Degree of customer orientation .....	112 ■
1.15 Ethical behavior of firms .....	105 ■	6.15 Buyer sophistication .....	98 ■
1.16 Strength of auditing and reporting standards .....	123 ■		
1.17 Efficacy of corporate boards .....	100 ■	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	134 ■	7.01 Cooperation in labor-employer relations .....	125 ■
		7.02 Flexibility of wage determination .....	51 ■
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	1 ■
2.01 Quality of overall infrastructure .....	92 ■	7.04 Rigidity of employment* .....	29 ■
2.02 Quality of roads .....	84 ■	7.05 Hiring and firing practices .....	132 ■
2.03 Quality of railroad infrastructure .....	106 ■	7.06 Firing costs* .....	45 ■
2.04 Quality of port infrastructure .....	106 ■	7.07 Pay and productivity .....	97 ■
2.05 Quality of air transport infrastructure .....	124 ■	7.08 Reliance on professional management .....	106 ■
2.06 Available seat kilometers* .....	108 ■	7.09 Brain drain .....	96 ■
2.07 Quality of electricity supply .....	98 ■	7.10 Female participation in labor force* .....	114 ■
2.08 Telephone lines* .....	69 ■		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	105 ■
3.01 Government surplus/deficit* .....	22 ■	8.02 Financing through local equity market .....	98 ■
3.02 National savings rate* .....	21 ■	8.03 Ease of access to loans .....	125 ■
3.03 Inflation* .....	80 ■	8.04 Venture capital availability .....	129 ■
3.04 Interest rate spread* .....	93 ■	8.05 Restriction on capital flows .....	99 ■
3.05 Government debt* .....	31 ■	8.06 Strength of investor protection* .....	127 ■
		8.07 Soundness of banks .....	60 ■
		8.08 Regulation of securities exchanges .....	111 ■
		8.09 Legal rights index* .....	72 ■
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria .....	80 ■	<b>9th pillar: Technological readiness</b>	
4.02 Malaria incidence* .....	114 ■	9.01 Availability of latest technologies .....	121 ■
4.03 Business impact of tuberculosis .....	63 ■	9.02 Firm-level technology absorption .....	122 ■
4.04 Tuberculosis incidence* .....	73 ■	9.03 Laws relating to ICT .....	134 ■
4.05 Business impact of HIV/AIDS .....	106 ■	9.04 FDI and technology transfer .....	113 ■
4.06 HIV prevalence* .....	118 ■	9.05 Mobile telephone subscribers* .....	61 ■
4.07 Infant mortality* .....	91 ■	9.06 Internet users* .....	91 ■
4.08 Life expectancy* .....	89 ■	9.07 Personal computers* .....	88 ■
4.09 Quality of primary education .....	77 ■	9.08 Broadband Internet subscribers* .....	80 ■
4.10 Primary enrollment* .....	40 ■		
4.11 Education expenditure* .....	n/a	<b>10th pillar: Market size</b>	
		10.01 Domestic market size* .....	131 ■
		10.02 Foreign market size* .....	124 ■
<b>5th pillar: Higher education and training</b>			
5.01 Secondary enrollment* .....	86 ■	<b>11th pillar: Business sophistication</b>	
5.02 Tertiary enrollment* .....	97 ■	11.01 Local supplier quantity .....	119 ■
5.03 Quality of the educational system .....	101 ■	11.02 Local supplier quality .....	96 ■
5.04 Quality of math and science education .....	87 ■	11.03 State of cluster development .....	118 ■
5.05 Quality of management schools .....	99 ■	11.04 Nature of competitive advantage .....	112 ■
5.06 Internet access in schools .....	110 ■	11.05 Value chain breadth .....	127 ■
5.07 Local availability of research and training services .....	123 ■	11.06 Control of international distribution .....	80 ■
5.08 Extent of staff training .....	108 ■	11.07 Production process sophistication .....	96 ■
		11.08 Extent of marketing .....	108 ■
		11.09 Willingness to delegate authority .....	105 ■
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	104 ■
		12.02 Quality of scientific research institutions .....	111 ■
		12.03 Company spending on R&D .....	89 ■
		12.04 University-industry research collaboration .....	97 ■
		12.05 Gov't procurement of advanced tech products .....	128 ■
		12.06 Availability of scientists and engineers .....	118 ■
		12.07 Utility patents* .....	88 ■

\* Hard data

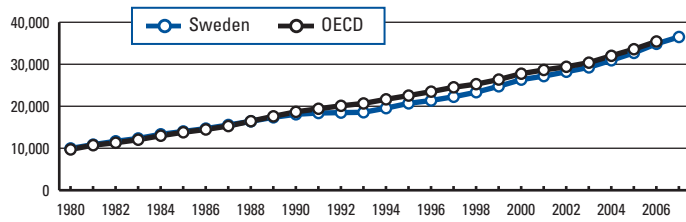
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Sweden

## Key indicators

Total population (millions), 2007 .....	9.1
GDP (US\$ billions), 2007 .....	455.3
GDP per capita (US\$), 2007 .....	49,654.9
GDP (PPP) as share (%) of world total, 2007 .....	0.51

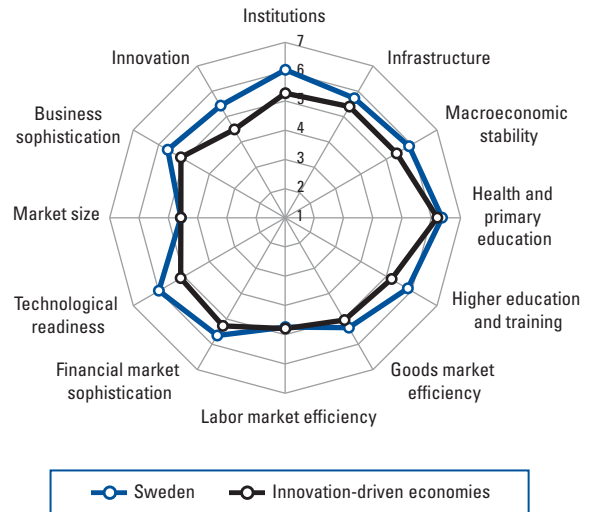
GDP (PPP US\$) per capita, 1980–2007



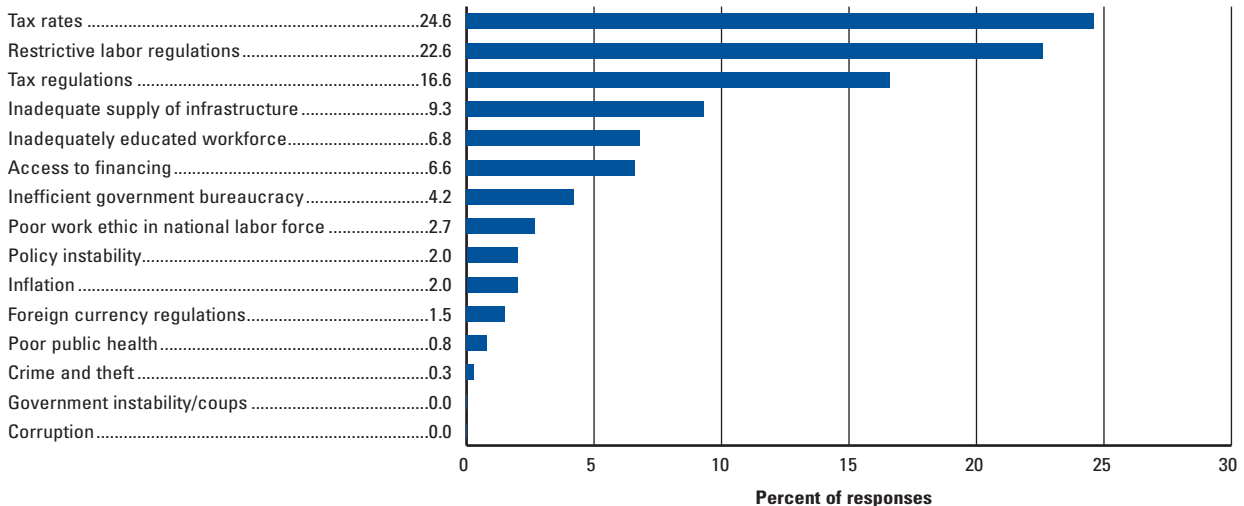
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>4</b>	<b>5.5</b>
GCI 2007–2008 (out of 131) .....	4	5.5
GCI 2006–2007 (out of 122) .....	9	5.4
<b>Basic requirements</b> .....	<b>6</b>	<b>6.0</b>
1st pillar: Institutions .....	4	6.0
2nd pillar: Infrastructure .....	13	5.7
3rd pillar: Macroeconomic stability .....	15	5.9
4th pillar: Health and primary education .....	8	6.4
<b>Efficiency enhancers</b> .....	<b>9</b>	<b>5.4</b>
5th pillar: Higher education and training .....	3	5.8
6th pillar: Goods market efficiency .....	7	5.3
7th pillar: Labor market efficiency .....	26	4.7
8th pillar: Financial market sophistication .....	8	5.6
9th pillar: Technological readiness .....	2	6.0
10th pillar: Market size .....	30	4.6
<b>Innovation and sophistication factors</b> .....	<b>6</b>	<b>5.5</b>
11th pillar: Business sophistication .....	7	5.6
12th pillar: Innovation .....	5	5.4

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	7
1.02 Intellectual property protection	9
1.03 Diversion of public funds	3
1.04 Public trust of politicians	6
1.05 Judicial independence	3
1.06 Favoritism in decisions of government officials	3
1.07 Wastefulness of government spending	18
1.08 Burden of government regulation	43
1.09 Efficiency of legal framework	7
1.10 Transparency of government policymaking	3
1.11 Business costs of terrorism	40
1.12 Business costs of crime and violence	26
1.13 Organized crime	22
1.14 Reliability of police services	12
1.15 Ethical behavior of firms	1
1.16 Strength of auditing and reporting standards	12
1.17 Efficacy of corporate boards	1
1.18 Protection of minority shareholders' interests	1
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	12
2.02 Quality of roads	18
2.03 Quality of railroad infrastructure	11
2.04 Quality of port infrastructure	13
2.05 Quality of air transport infrastructure	18
2.06 Available seat kilometers*	38
2.07 Quality of electricity supply	9
2.08 Telephone lines*	6
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	26
3.02 National savings rate*	45
3.03 Inflation*	14
3.04 Interest rate spread*	13
3.05 Government debt*	84
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	4
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	6
4.04 Tuberculosis incidence*	8
4.05 Business impact of HIV/AIDS	5
4.06 HIV prevalence*	23
4.07 Infant mortality*	4
4.08 Life expectancy*	5
4.09 Quality of primary education	19
4.10 Primary enrollment*	52
4.11 Education expenditure*	6
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	16
5.02 Tertiary enrollment*	9
5.03 Quality of the educational system	12
5.04 Quality of math and science education	39
5.05 Quality of management schools	15
5.06 Internet access in schools	4
5.07 Local availability of research and training services	7
5.08 Extent of staff training	4

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

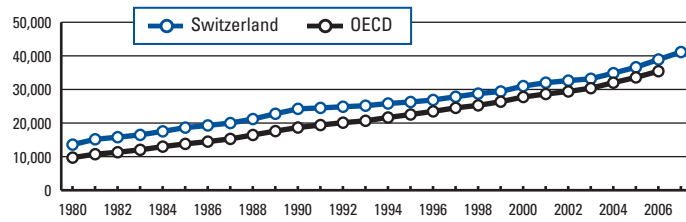
INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	14
6.02 Extent of market dominance	12
6.03 Effectiveness of anti-monopoly policy	4
6.04 Extent and effect of taxation	126
6.05 Total tax rate*	103
6.06 No. of procedures required to start a business*	4
6.07 Time required to start a business*	30
6.08 Agricultural policy costs	23
6.09 Prevalence of trade barriers	4
6.10 Trade-weighted tariff rate*	5
6.11 Prevalence of foreign ownership	6
6.12 Business impact of rules on FDI	9
6.13 Burden of customs procedures	2
6.14 Degree of customer orientation	9
6.15 Buyer sophistication	6
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	5
7.02 Flexibility of wage determination	130
7.03 Non-wage labor costs*	116
7.04 Rigidity of employment*	77
7.05 Hiring and firing practices	102
7.06 Firing costs*	45
7.07 Pay and productivity	59
7.08 Reliance on professional management	1
7.09 Brain drain	18
7.10 Female participation in labor force*	8
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	5
8.02 Financing through local equity market	2
8.03 Ease of access to loans	8
8.04 Venture capital availability	5
8.05 Restriction on capital flows	3
8.06 Strength of investor protection*	39
8.07 Soundness of banks	2
8.08 Regulation of securities exchanges	1
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	2
9.02 Firm-level technology absorption	4
9.03 Laws relating to ICT	5
9.04 FDI and technology transfer	45
9.05 Mobile telephone subscribers*	23
9.06 Internet users*	5
9.07 Personal computers*	4
9.08 Broadband Internet subscribers*	8
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	32
10.02 Foreign market size*	28
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	19
11.02 Local supplier quality	8
11.03 State of cluster development	14
11.04 Nature of competitive advantage	5
11.05 Value chain breadth	1
11.06 Control of international distribution	17
11.07 Production process sophistication	2
11.08 Extent of marketing	8
11.09 Willingness to delegate authority	1
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	4
12.02 Quality of scientific research institutions	11
12.03 Company spending on R&D	4
12.04 University-industry research collaboration	3
12.05 Gov't procurement of advanced tech products	8
12.06 Availability of scientists and engineers	4
12.07 Utility patents*	8

# Switzerland

## Key indicators

Total population (millions), 2007 .....	7.3
GDP (US\$ billions), 2007 .....	423.9
GDP per capita (US\$), 2007 .....	58,083.6
GDP (PPP) as share (%) of world total, 2007 .....	0.46

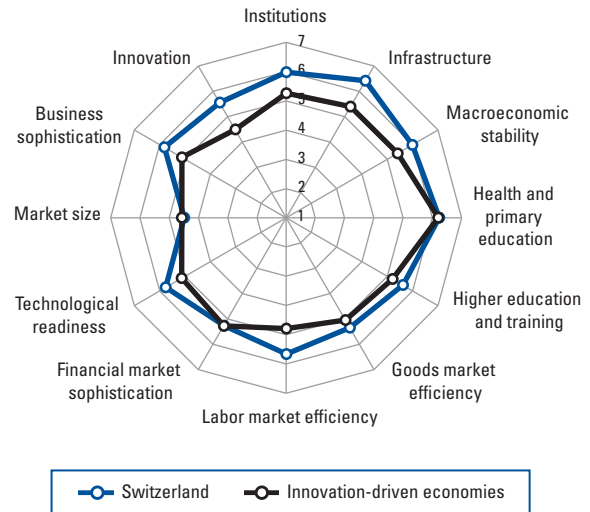
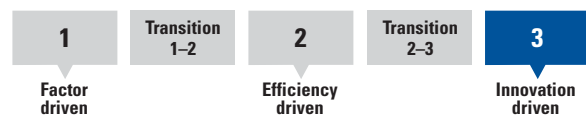
GDP (PPP US\$) per capita, 1980–2007



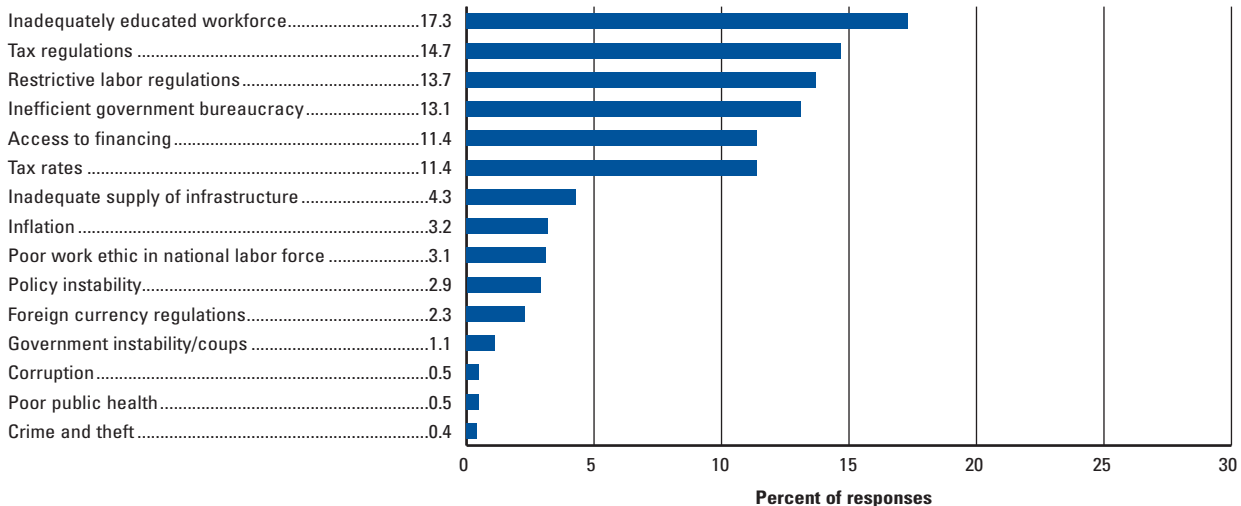
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>2</b>	<b>5.6</b>
GCI 2007–2008 (out of 131) .....	2	5.6
GCI 2006–2007 (out of 122) .....	4	5.5
<b>Basic requirements</b> .....	<b>2</b>	<b>6.1</b>
1st pillar: Institutions .....	5	6.0
2nd pillar: Infrastructure .....	3	6.4
3rd pillar: Macroeconomic stability .....	10	6.0
4th pillar: Health and primary education .....	17	6.2
<b>Efficiency enhancers</b> .....	<b>8</b>	<b>5.4</b>
5th pillar: Higher education and training .....	7	5.6
6th pillar: Goods market efficiency .....	6	5.3
7th pillar: Labor market efficiency .....	3	5.7
8th pillar: Financial market sophistication .....	21	5.3
9th pillar: Technological readiness .....	5	5.8
10th pillar: Market size .....	35	4.5
<b>Innovation and sophistication factors</b> .....	<b>2</b>	<b>5.7</b>
11th pillar: Business sophistication .....	2	5.8
12th pillar: Innovation .....	3	5.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	1	6.01 Intensity of local competition	20
1.02 Intellectual property protection	1	6.02 Extent of market dominance	2
1.03 Diversion of public funds	6	6.03 Effectiveness of anti-monopoly policy	19
1.04 Public trust of politicians	5	6.04 Extent and effect of taxation	15
1.05 Judicial independence	7	6.05 Total tax rate*	18
1.06 Favoritism in decisions of government officials	8	6.06 No. of procedures required to start a business*	19
1.07 Wastefulness of government spending	11	6.07 Time required to start a business*	42
1.08 Burden of government regulation	11	6.08 Agricultural policy costs	118
1.09 Efficiency of legal framework	3	6.09 Prevalence of trade barriers	90
1.10 Transparency of government policymaking	7	6.10 Trade-weighted tariff rate*	38
1.11 Business costs of terrorism	37	6.11 Prevalence of foreign ownership	32
1.12 Business costs of crime and violence	17	6.12 Business impact of rules on FDI	23
1.13 Organized crime	19	6.13 Burden of customs procedures	20
1.14 Reliability of police services	3	6.14 Degree of customer orientation	3
1.15 Ethical behavior of firms	9	6.15 Buyer sophistication	1
1.16 Strength of auditing and reporting standards	19		
1.17 Efficacy of corporate boards	16	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	21	7.01 Cooperation in labor-employer relations	3
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	25
2.01 Quality of overall infrastructure	1	7.03 Non-wage labor costs*	60
2.02 Quality of roads	2	7.04 Rigidity of employment*	18
2.03 Quality of railroad infrastructure	1	7.05 Hiring and firing practices	3
2.04 Quality of port infrastructure	17	7.06 Firing costs*	19
2.05 Quality of air transport infrastructure	6	7.07 Pay and productivity	5
2.06 Available seat kilometers*	26	7.08 Reliance on professional management	13
2.07 Quality of electricity supply	3	7.09 Brain drain	5
2.08 Telephone lines*	1	7.10 Female participation in labor force*	28
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	34	8.01 Financial market sophistication	1
3.02 National savings rate*	18	8.02 Financing through local equity market	29
3.03 Inflation*	8	8.03 Ease of access to loans	32
3.04 Interest rate spread*	1	8.04 Venture capital availability	23
3.05 Government debt*	99	8.05 Restriction on capital flows	11
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	118
4.01 Business impact of malaria	15	8.07 Soundness of banks	16
4.02 Malaria incidence*	1	8.08 Regulation of securities exchanges	6
4.03 Business impact of tuberculosis	7	8.09 Legal rights index*	29
4.04 Tuberculosis incidence*	13	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	20	9.01 Availability of latest technologies	7
4.06 HIV prevalence*	86	9.02 Firm-level technology absorption	5
4.07 Infant mortality*	10	9.03 Laws relating to ICT	10
4.08 Life expectancy*	2	9.04 FDI and technology transfer	33
4.09 Quality of primary education	4	9.05 Mobile telephone subscribers*	29
4.10 Primary enrollment*	92	9.06 Internet users*	17
4.11 Education expenditure*	38	9.07 Personal computers*	3
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	7
5.01 Secondary enrollment*	52	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	45	10.01 Domestic market size*	37
5.03 Quality of the educational system	3	10.02 Foreign market size*	30
5.04 Quality of math and science education	5	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	2	11.01 Local supplier quantity	5
5.06 Internet access in schools	8	11.02 Local supplier quality	3
5.07 Local availability of research and training services	2	11.03 State of cluster development	9
5.08 Extent of staff training	2	11.04 Nature of competitive advantage	2
		11.05 Value chain breadth	5
		11.06 Control of international distribution	3
		11.07 Production process sophistication	4
		11.08 Extent of marketing	5
		11.09 Willingness to delegate authority	5
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	3
		12.02 Quality of scientific research institutions	2
		12.03 Company spending on R&D	1
		12.04 University-industry research collaboration	2
		12.05 Gov't procurement of advanced tech products	26
		12.06 Availability of scientists and engineers	16
		12.07 Utility patents*	6

\* Hard data

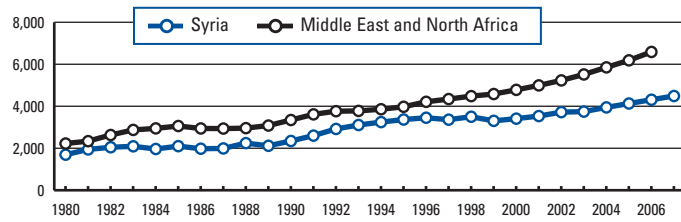
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Syria

## Key indicators

Total population (millions), 2007 .....	20.0
GDP (US\$ billions), 2007 .....	37.8
GDP per capita (US\$), 2007 .....	1,945.9
GDP (PPP) as share (%) of world total, 2007 .....	0.14

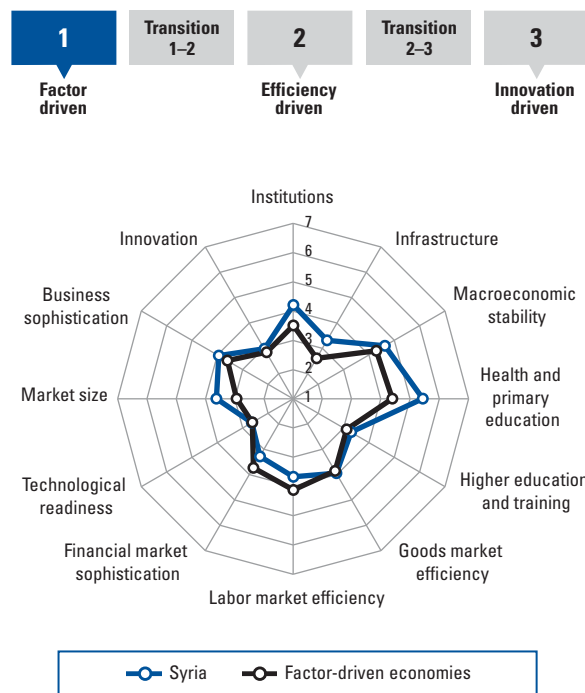
GDP (PPP US\$) per capita, 1980–2007



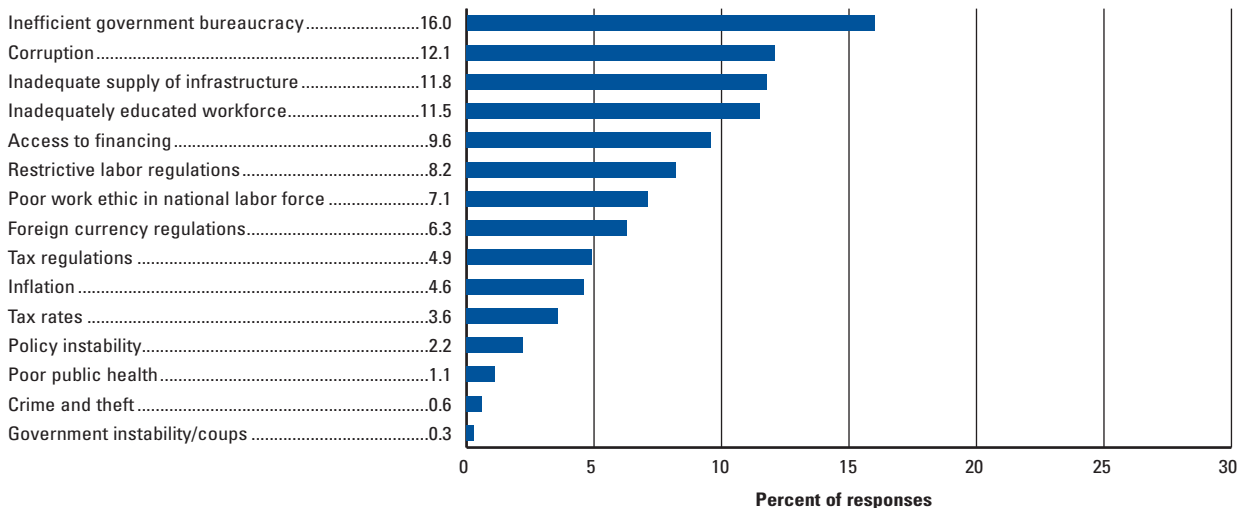
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>78</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	80	3.9
GCI 2006–2007 (out of 122) .....	n/a	n/a
<b>Basic requirements</b> .....	<b>71</b>	<b>4.4</b>
1st pillar: Institutions .....	54	4.2
2nd pillar: Infrastructure .....	74	3.3
3rd pillar: Macroeconomic stability .....	93	4.6
4th pillar: Health and primary education .....	70	5.4
<b>Efficiency enhancers</b> .....	<b>104</b>	<b>3.4</b>
5th pillar: Higher education and training .....	101	3.3
6th pillar: Goods market efficiency .....	92	3.9
7th pillar: Labor market efficiency .....	123	3.7
8th pillar: Financial market sophistication .....	121	3.3
9th pillar: Technological readiness .....	107	2.6
10th pillar: Market size .....	63	3.6
<b>Innovation and sophistication factors</b> .....	<b>80</b>	<b>3.5</b>
11th pillar: Business sophistication .....	76	3.9
12th pillar: Innovation .....	84	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	30 .....	6.01 Intensity of local competition .....	62 .....
1.02 Intellectual property protection .....	54 .....	6.02 Extent of market dominance .....	71 .....
1.03 Diversion of public funds .....	100 .....	6.03 Effectiveness of anti-monopoly policy .....	71 .....
1.04 Public trust of politicians .....	49 .....	6.04 Extent and effect of taxation .....	29 .....
1.05 Judicial independence .....	77 .....	6.05 Total tax rate* .....	76 .....
1.06 Favoritism in decisions of government officials .....	71 .....	6.06 No. of procedures required to start a business* .....	108 .....
1.07 Wastefulness of government spending .....	65 .....	6.07 Time required to start a business* .....	96 .....
1.08 Burden of government regulation .....	63 .....	6.08 Agricultural policy costs .....	46 .....
1.09 Efficiency of legal framework .....	69 .....	6.09 Prevalence of trade barriers .....	112 .....
1.10 Transparency of government policymaking .....	106 .....	6.10 Trade-weighted tariff rate* .....	133 .....
1.11 Business costs of terrorism .....	10 .....	6.11 Prevalence of foreign ownership .....	128 .....
1.12 Business costs of crime and violence .....	1 .....	6.12 Business impact of rules on FDI .....	108 .....
1.13 Organized crime .....	6 .....	6.13 Burden of customs procedures .....	99 .....
1.14 Reliability of police services .....	69 .....	6.14 Degree of customer orientation .....	57 .....
1.15 Ethical behavior of firms .....	55 .....	6.15 Buyer sophistication .....	112 .....
1.16 Strength of auditing and reporting standards .....	116 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	109 .....	7.01 Cooperation in labor-employer relations .....	79 .....
1.18 Protection of minority shareholders' interests .....	50 .....	7.02 Flexibility of wage determination .....	65 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	69 .....
2.01 Quality of overall infrastructure .....	69 .....	7.04 Rigidity of employment* .....	65 .....
2.02 Quality of roads .....	65 .....	7.05 Hiring and firing practices .....	106 .....
2.03 Quality of railroad infrastructure .....	49 .....	7.06 Firing costs* .....	97 .....
2.04 Quality of port infrastructure .....	97 .....	7.07 Pay and productivity .....	105 .....
2.05 Quality of air transport infrastructure .....	90 .....	7.08 Reliance on professional management .....	119 .....
2.06 Available seat kilometers* .....	78 .....	7.09 Brain drain .....	113 .....
2.07 Quality of electricity supply .....	86 .....	7.10 Female participation in labor force* .....	118 .....
2.08 Telephone lines* .....	72 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	128 .....
3.01 Government surplus/deficit* .....	121 .....	8.02 Financing through local equity market .....	121 .....
3.02 National savings rate* .....	63 .....	8.03 Ease of access to loans .....	101 .....
3.03 Inflation* .....	88 .....	8.04 Venture capital availability .....	103 .....
3.04 Interest rate spread* .....	20 .....	8.05 Restriction on capital flows .....	116 .....
3.05 Government debt* .....	67 .....	8.06 Strength of investor protection* .....	86 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	103 .....
4.01 Business impact of malaria .....	38 .....	8.08 Regulation of securities exchanges .....	117 .....
4.02 Malaria incidence* .....	63 .....	8.09 Legal rights index* .....	93 .....
4.03 Business impact of tuberculosis .....	20 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	52 .....	9.01 Availability of latest technologies .....	80 .....
4.05 Business impact of HIV/AIDS .....	4 .....	9.02 Firm-level technology absorption .....	87 .....
4.06 HIV prevalence* .....	1 .....	9.03 Laws relating to ICT .....	127 .....
4.07 Infant mortality* .....	60 .....	9.04 FDI and technology transfer .....	110 .....
4.08 Life expectancy* .....	66 .....	9.05 Mobile telephone subscribers* .....	105 .....
4.09 Quality of primary education .....	84 .....	9.06 Internet users* .....	93 .....
4.10 Primary enrollment* .....	56 .....	9.07 Personal computers* .....	74 .....
4.11 Education expenditure* .....	108 .....	9.08 Broadband Internet subscribers* .....	107 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	94 .....	10.01 Domestic market size* .....	64 .....
5.02 Tertiary enrollment* .....	96 .....	10.02 Foreign market size* .....	68 .....
5.03 Quality of the educational system .....	91 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	60 .....	11.01 Local supplier quantity .....	39 .....
5.05 Quality of management schools .....	95 .....	11.02 Local supplier quality .....	71 .....
5.06 Internet access in schools .....	123 .....	11.03 State of cluster development .....	97 .....
5.07 Local availability of research and training services .....	95 .....	11.04 Nature of competitive advantage .....	113 .....
5.08 Extent of staff training .....	112 .....	11.05 Value chain breadth .....	64 .....
		11.06 Control of international distribution .....	6 .....
		11.07 Production process sophistication .....	78 .....
		11.08 Extent of marketing .....	113 .....
		11.09 Willingness to delegate authority .....	92 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	117 .....
		12.02 Quality of scientific research institutions .....	89 .....
		12.03 Company spending on R&D .....	115 .....
		12.04 University-industry research collaboration .....	100 .....
		12.05 Gov't procurement of advanced tech products .....	90 .....
		12.06 Availability of scientists and engineers .....	40 .....
		12.07 Utility patents* .....	80 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

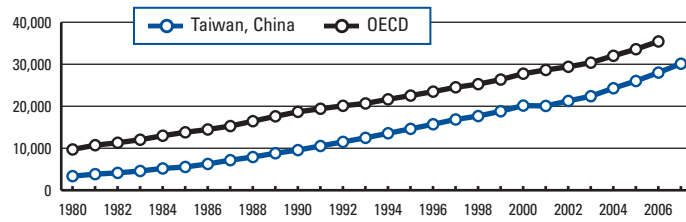


# Taiwan, China

## Key indicators

Total population (millions), 2007 .....	22.7
GDP (US\$ billions), 2007 .....	383.3
GDP per capita (US\$), 2007 .....	16,606.0
GDP (PPP) as share (%) of world total, 2007 .....	1.06

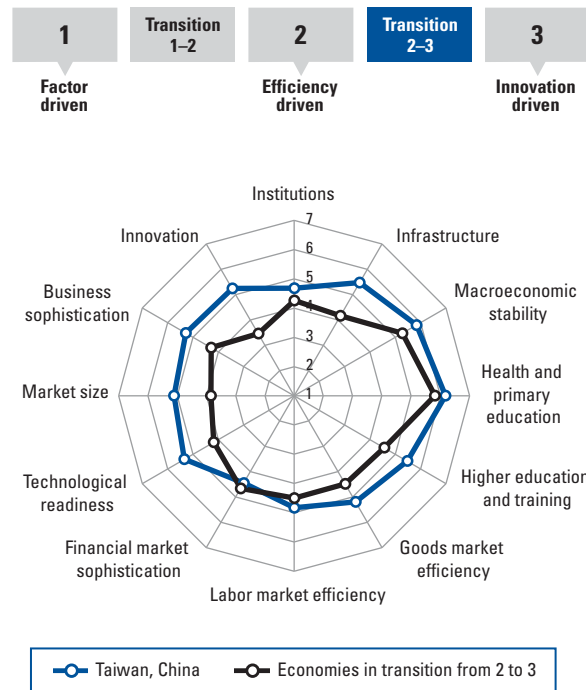
GDP (PPP US\$) per capita, 1980–2007



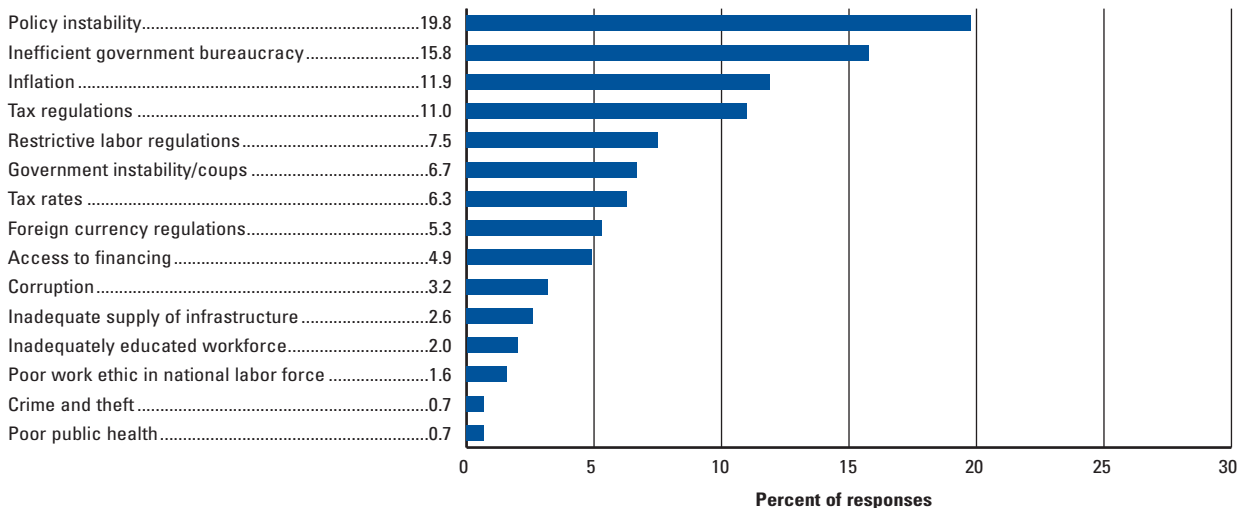
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>17</b>	<b>5.2</b>
GCI 2007–2008 (out of 131) .....	14	5.2
GCI 2006–2007 (out of 122) .....	13	5.3
<b>Basic requirements</b> .....	<b>20</b>	<b>5.5</b>
1st pillar: Institutions .....	40	4.7
2nd pillar: Infrastructure .....	19	5.5
3rd pillar: Macroeconomic stability .....	18	5.8
4th pillar: Health and primary education .....	20	6.2
<b>Efficiency enhancers</b> .....	<b>18</b>	<b>5.1</b>
5th pillar: Higher education and training .....	13	5.5
6th pillar: Goods market efficiency .....	14	5.2
7th pillar: Labor market efficiency .....	21	4.8
8th pillar: Financial market sophistication .....	58	4.5
9th pillar: Technological readiness .....	15	5.3
10th pillar: Market size .....	16	5.1
<b>Innovation and sophistication factors</b> .....	<b>8</b>	<b>5.3</b>
11th pillar: Business sophistication .....	12	5.3
12th pillar: Innovation .....	7	5.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....34	6.01	Intensity of local competition .....5
1.02	Intellectual property protection .....28	6.02	Extent of market dominance .....7
1.03	Diversion of public funds .....38	6.03	Effectiveness of anti-monopoly policy .....26
1.04	Public trust of politicians .....54	6.04	Extent and effect of taxation .....26
1.05	Judicial independence .....49	6.05	Total tax rate* .....57
1.06	Favoritism in decisions of government officials .....36	6.06	No. of procedures required to start a business* .....44
1.07	Wastefulness of government spending .....30	6.07	Time required to start a business* .....103
1.08	Burden of government regulation .....22	6.08	Agricultural policy costs .....50
1.09	Efficiency of legal framework .....46	6.09	Prevalence of trade barriers .....54
1.10	Transparency of government policymaking .....23	6.10	Trade-weighted tariff rate* .....67
1.11	Business costs of terrorism .....60	6.11	Prevalence of foreign ownership .....62
1.12	Business costs of crime and violence .....35	6.12	Business impact of rules on FDI .....64
1.13	Organized crime .....46	6.13	Burden of customs procedures .....15
1.14	Reliability of police services .....40	6.14	Degree of customer orientation .....4
1.15	Ethical behavior of firms .....40	6.15	Buyer sophistication .....3
1.16	Strength of auditing and reporting standards .....53	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....39	7.01	Cooperation in labor-employer relations .....12
1.18	Protection of minority shareholders' interests .....63	7.02	Flexibility of wage determination .....12
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....46
2.01	Quality of overall infrastructure .....22	7.04	Rigidity of employment* .....104
2.02	Quality of roads .....20	7.05	Hiring and firing practices .....25
2.03	Quality of railroad infrastructure .....9	7.06	Firing costs* .....108
2.04	Quality of port infrastructure .....18	7.07	Pay and productivity .....4
2.05	Quality of air transport infrastructure .....32	7.08	Reliance on professional management .....35
2.06	Available seat kilometers* .....25	7.09	Brain drain .....27
2.07	Quality of electricity supply .....30	7.10	Female participation in labor force* .....72
2.08	Telephone lines* .....4	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....45
3.01	Government surplus/deficit* .....46	8.02	Financing through local equity market .....9
3.02	National savings rate* .....31	8.03	Ease of access to loans .....38
3.03	Inflation* .....17	8.04	Venture capital availability .....14
3.04	Interest rate spread* .....11	8.05	Restriction on capital flows .....78
3.05	Government debt* .....61	8.06	Strength of investor protection* .....50
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....117
4.01	Business impact of malaria .....44	8.08	Regulation of securities exchanges .....52
4.02	Malaria incidence* .....62	8.09	Legal rights index* .....72
4.03	Business impact of tuberculosis .....53	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....82	9.01	Availability of latest technologies .....23
4.05	Business impact of HIV/AIDS .....47	9.02	Firm-level technology absorption .....10
4.06	HIV prevalence* .....49	9.03	Laws relating to ICT .....28
4.07	Infant mortality* .....25	9.04	FDI and technology transfer .....22
4.08	Life expectancy* .....36	9.05	Mobile telephone subscribers* .....28
4.09	Quality of primary education .....26	9.06	Internet users* .....12
4.10	Primary enrollment* .....9	9.07	Personal computers* .....9
4.11	Education expenditure* .....29	9.08	Broadband Internet subscribers* .....19
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....31	10.01	Domestic market size* .....18
5.02	Tertiary enrollment* .....4	10.02	Foreign market size* .....13
5.03	Quality of the educational system .....25	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....9	11.01	Local supplier quantity .....26
5.05	Quality of management schools .....33	11.02	Local supplier quality .....15
5.06	Internet access in schools .....14	11.03	State of cluster development .....1
5.07	Local availability of research and training services .....19	11.04	Nature of competitive advantage .....24
5.08	Extent of staff training .....16	11.05	Value chain breadth .....17
		11.06	Control of international distribution .....11
		11.07	Production process sophistication .....13
		11.08	Extent of marketing .....33
		11.09	Willingness to delegate authority .....33
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....16
		12.02	Quality of scientific research institutions .....21
		12.03	Company spending on R&D .....16
		12.04	University-industry research collaboration .....10
		12.05	Gov't procurement of advanced tech products .....12
		12.06	Availability of scientists and engineers .....8
		12.07	Utility patents* .....1

\* Hard data

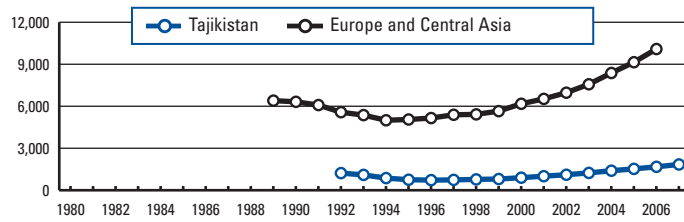
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Tajikistan

## Key indicators

Total population (millions), 2007	6.7
GDP (US\$ billions), 2007	3.7
GDP per capita (US\$), 2007	578.3
GDP (PPP) as share (%) of world total, 2007	0.02

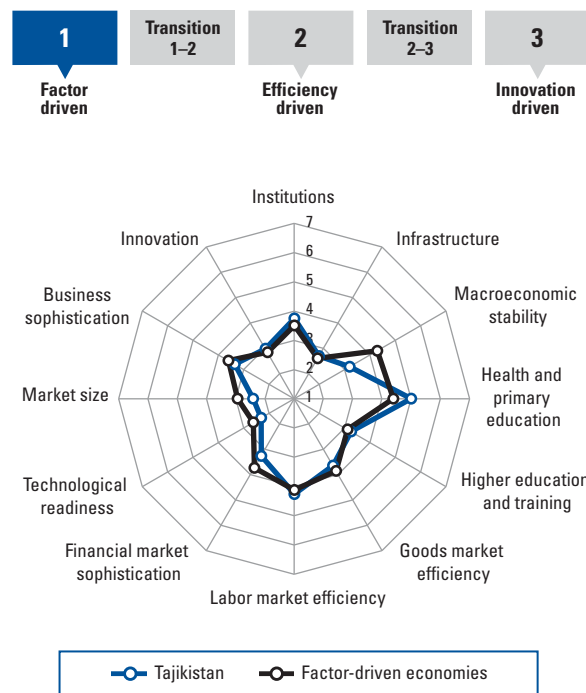
GDP (PPP US\$) per capita, 1980–2007



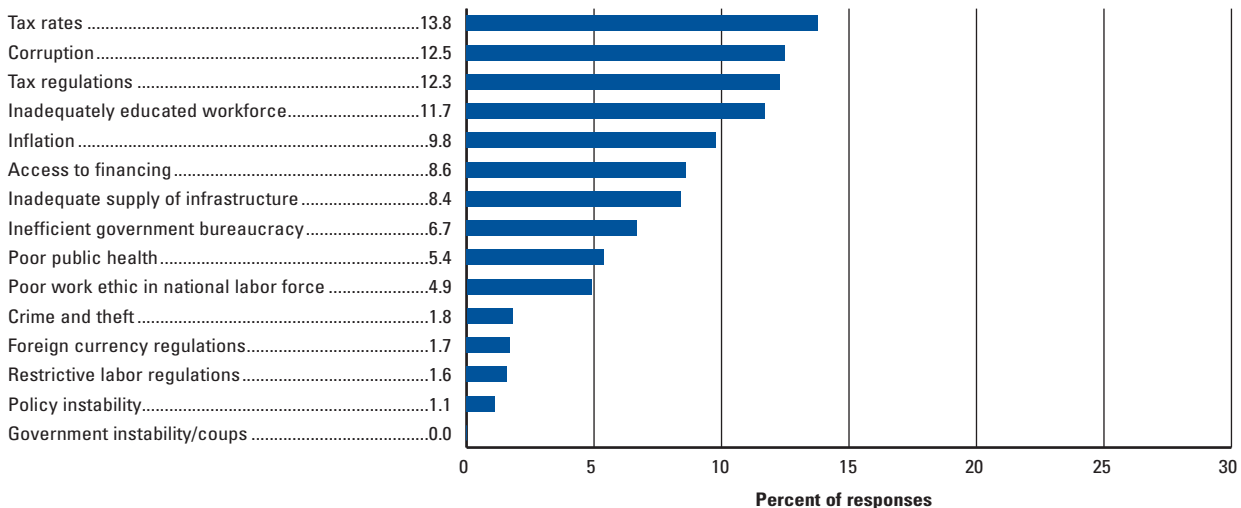
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b>	<b>116</b>	<b>3.5</b>
GCI 2007–2008 (out of 131)	117	3.4
GCI 2006–2007 (out of 122)	96	3.6
<b>Basic requirements</b>	<b>112</b>	<b>3.6</b>
1st pillar: Institutions	78	3.7
2nd pillar: Infrastructure	101	2.7
3rd pillar: Macroeconomic stability	131	3.2
4th pillar: Health and primary education	101	5.0
<b>Efficiency enhancers</b>	<b>124</b>	<b>3.2</b>
5th pillar: Higher education and training	104	3.2
6th pillar: Goods market efficiency	118	3.6
7th pillar: Labor market efficiency	78	4.3
8th pillar: Financial market sophistication	123	3.3
9th pillar: Technological readiness	128	2.3
10th pillar: Market size	115	2.4
<b>Innovation and sophistication factors</b>	<b>103</b>	<b>3.2</b>
11th pillar: Business sophistication	116	3.3
12th pillar: Innovation	85	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	88	6.01 Intensity of local competition .....	110
1.02 Intellectual property protection .....	97	6.02 Extent of market dominance .....	99
1.03 Diversion of public funds .....	51	6.03 Effectiveness of anti-monopoly policy .....	100
1.04 Public trust of politicians .....	58	6.04 Extent and effect of taxation .....	101
1.05 Judicial independence .....	81	6.05 Total tax rate* .....	123
1.06 Favoritism in decisions of government officials .....	64	6.06 No. of procedures required to start a business* .....	108
1.07 Wastefulness of government spending .....	68	6.07 Time required to start a business* .....	104
1.08 Burden of government regulation .....	97	6.08 Agricultural policy costs .....	109
1.09 Efficiency of legal framework .....	63	6.09 Prevalence of trade barriers .....	127
1.10 Transparency of government policymaking .....	102	6.10 Trade-weighted tariff rate* .....	69
1.11 Business costs of terrorism .....	88	6.11 Prevalence of foreign ownership .....	112
1.12 Business costs of crime and violence .....	60	6.12 Business impact of rules on FDI .....	110
1.13 Organized crime .....	74	6.13 Burden of customs procedures .....	107
1.14 Reliability of police services .....	75	6.14 Degree of customer orientation .....	75
1.15 Ethical behavior of firms .....	113	6.15 Buyer sophistication .....	111
1.16 Strength of auditing and reporting standards .....	130	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	87	7.01 Cooperation in labor-employer relations .....	61
1.18 Protection of minority shareholders' interests .....	97	7.02 Flexibility of wage determination .....	64
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	101
2.01 Quality of overall infrastructure .....	81	7.04 Rigidity of employment* .....	108
2.02 Quality of roads .....	103	7.05 Hiring and firing practices .....	13
2.03 Quality of railroad infrastructure .....	42	7.06 Firing costs* .....	35
2.04 Quality of port infrastructure .....	133	7.07 Pay and productivity .....	27
2.05 Quality of air transport infrastructure .....	112	7.08 Reliance on professional management .....	102
2.06 Available seat kilometers* .....	101	7.09 Brain drain .....	95
2.07 Quality of electricity supply .....	131	7.10 Female participation in labor force* .....	69
2.08 Telephone lines* .....	104	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	118
3.01 Government surplus/deficit* .....	128	8.02 Financing through local equity market .....	111
3.02 National savings rate* .....	131	8.03 Ease of access to loans .....	103
3.03 Inflation* .....	128	8.04 Venture capital availability .....	110
3.04 Interest rate spread* .....	123	8.05 Restriction on capital flows .....	94
3.05 Government debt* .....	62	8.06 Strength of investor protection* .....	128
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	123
4.01 Business impact of malaria .....	111	8.08 Regulation of securities exchanges .....	118
4.02 Malaria incidence* .....	95	8.09 Legal rights index* .....	72
4.03 Business impact of tuberculosis .....	106	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	107	9.01 Availability of latest technologies .....	125
4.05 Business impact of HIV/AIDS .....	84	9.02 Firm-level technology absorption .....	119
4.06 HIV prevalence* .....	68	9.03 Laws relating to ICT .....	104
4.07 Infant mortality* .....	108	9.04 FDI and technology transfer .....	101
4.08 Life expectancy* .....	101	9.05 Mobile telephone subscribers* .....	131
4.09 Quality of primary education .....	108	9.06 Internet users* .....	134
4.10 Primary enrollment* .....	29	9.07 Personal computers* .....	112
4.11 Education expenditure* .....	95	9.08 Broadband Internet subscribers* .....	123
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	81	10.01 Domestic market size* .....	120
5.02 Tertiary enrollment* .....	86	10.02 Foreign market size* .....	107
5.03 Quality of the educational system .....	96	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	113	11.01 Local supplier quantity .....	118
5.05 Quality of management schools .....	125	11.02 Local supplier quality .....	122
5.06 Internet access in schools .....	88	11.03 State of cluster development .....	125
5.07 Local availability of research and training services .....	132	11.04 Nature of competitive advantage .....	94
5.08 Extent of staff training .....	105	11.05 Value chain breadth .....	97
		11.06 Control of international distribution .....	58
		11.07 Production process sophistication .....	76
		11.08 Extent of marketing .....	124
		11.09 Willingness to delegate authority .....	113
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	61
		12.02 Quality of scientific research institutions .....	68
		12.03 Company spending on R&D .....	107
		12.04 University-industry research collaboration .....	91
		12.05 Gov't procurement of advanced tech products .....	61
		12.06 Availability of scientists and engineers .....	98
		12.07 Utility patents* .....	88

\* Hard data

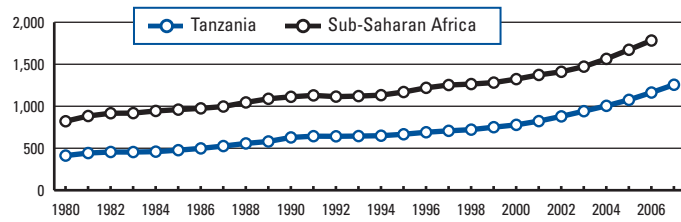
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Tanzania

## Key indicators

Total population (millions), 2007 .....	39.7
GDP (US\$ billions), 2007 .....	16.2
GDP per capita (US\$), 2007 .....	415.4
GDP (PPP) as share (%) of world total, 2007 .....	0.07

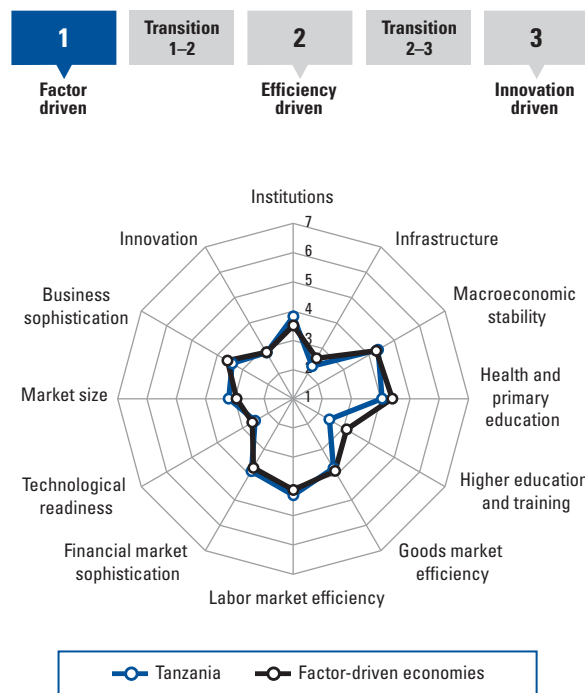
GDP (PPP US\$) per capita, 1980–2007



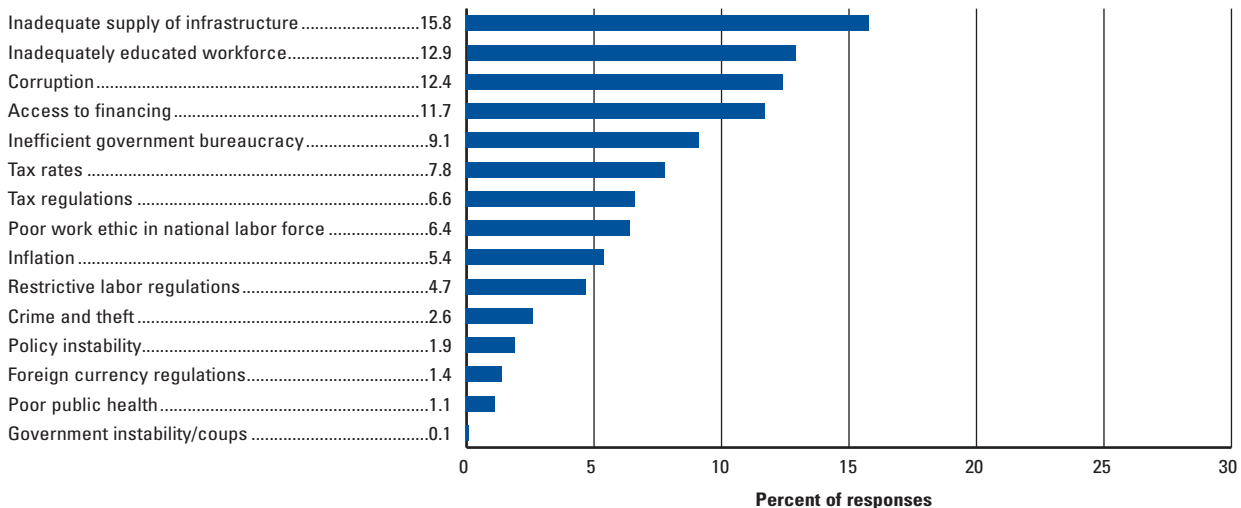
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>113</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	104	3.6
GCI 2006–2007 (out of 122) .....	97	3.6
<b>Basic requirements</b> .....	<b>114</b>	<b>3.6</b>
1st pillar: Institutions .....	76	3.8
2nd pillar: Infrastructure .....	118	2.3
3rd pillar: Macroeconomic stability .....	108	4.3
4th pillar: Health and primary education .....	117	4.0
<b>Efficiency enhancers</b> .....	<b>108</b>	<b>3.3</b>
5th pillar: Higher education and training .....	132	2.4
6th pillar: Goods market efficiency .....	111	3.7
7th pillar: Labor market efficiency .....	73	4.3
8th pillar: Financial market sophistication .....	94	3.9
9th pillar: Technological readiness .....	117	2.5
10th pillar: Market size .....	80	3.2
<b>Innovation and sophistication factors</b> .....	<b>106</b>	<b>3.1</b>
11th pillar: Business sophistication .....	109	3.4
12th pillar: Innovation .....	101	2.8

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	100	6.01 Intensity of local competition .....	111
1.02 Intellectual property protection .....	101	6.02 Extent of market dominance .....	111
1.03 Diversion of public funds .....	103	6.03 Effectiveness of anti-monopoly policy .....	89
1.04 Public trust of politicians .....	60	6.04 Extent and effect of taxation .....	71
1.05 Judicial independence .....	66	6.05 Total tax rate* .....	67
1.06 Favoritism in decisions of government officials .....	76	6.06 No. of procedures required to start a business* .....	103
1.07 Wastefulness of government spending .....	56	6.07 Time required to start a business* .....	66
1.08 Burden of government regulation .....	56	6.08 Agricultural policy costs .....	81
1.09 Efficiency of legal framework .....	78	6.09 Prevalence of trade barriers .....	78
1.10 Transparency of government policymaking .....	74	6.10 Trade-weighted tariff rate* .....	82
1.11 Business costs of terrorism .....	64	6.11 Prevalence of foreign ownership .....	68
1.12 Business costs of crime and violence .....	86	6.12 Business impact of rules on FDI .....	41
1.13 Organized crime .....	51	6.13 Burden of customs procedures .....	124
1.14 Reliability of police services .....	70	6.14 Degree of customer orientation .....	117
1.15 Ethical behavior of firms .....	80	6.15 Buyer sophistication .....	110
1.16 Strength of auditing and reporting standards .....	87		
1.17 Efficacy of corporate boards .....	64	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	85	7.01 Cooperation in labor-employer relations .....	100
		7.02 Flexibility of wage determination .....	102
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	65
2.01 Quality of overall infrastructure .....	112	7.04 Rigidity of employment* .....	121
2.02 Quality of roads .....	109	7.05 Hiring and firing practices .....	98
2.03 Quality of railroad infrastructure .....	79	7.06 Firing costs* .....	57
2.04 Quality of port infrastructure .....	113	7.07 Pay and productivity .....	106
2.05 Quality of air transport infrastructure .....	111	7.08 Reliance on professional management .....	60
2.06 Available seat kilometers* .....	87	7.09 Brain drain .....	89
2.07 Quality of electricity supply .....	122	7.10 Female participation in labor force* .....	4
2.08 Telephone lines* .....	129		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	111
3.01 Government surplus/deficit* .....	117	8.02 Financing through local equity market .....	88
3.02 National savings rate* .....	128	8.03 Ease of access to loans .....	94
3.03 Inflation* .....	89	8.04 Venture capital availability .....	111
3.04 Interest rate spread* .....	92	8.05 Restriction on capital flows .....	86
3.05 Government debt* .....	25	8.06 Strength of investor protection* .....	67
		8.07 Soundness of banks .....	94
		8.08 Regulation of securities exchanges .....	94
		8.09 Legal rights index* .....	52
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria .....	127	<b>9th pillar: Technological readiness</b>	
4.02 Malaria incidence* .....	133	9.01 Availability of latest technologies .....	94
4.03 Business impact of tuberculosis .....	127	9.02 Firm-level technology absorption .....	112
4.04 Tuberculosis incidence* .....	118	9.03 Laws relating to ICT .....	110
4.05 Business impact of HIV/AIDS .....	123	9.04 FDI and technology transfer .....	89
4.06 HIV prevalence* .....	126	9.05 Mobile telephone subscribers* .....	116
4.07 Infant mortality* .....	113	9.06 Internet users* .....	122
4.08 Life expectancy* .....	123	9.07 Personal computers* .....	116
4.09 Quality of primary education .....	120	9.08 Broadband Internet subscribers* .....	126
4.10 Primary enrollment* .....	22		
4.11 Education expenditure* .....	112	<b>10th pillar: Market size</b>	
		10.01 Domestic market size* .....	75
		10.02 Foreign market size* .....	98
<b>5th pillar: Higher education and training</b>			
5.01 Secondary enrollment* .....	134	<b>11th pillar: Business sophistication</b>	
5.02 Tertiary enrollment* .....	130	11.01 Local supplier quantity .....	116
5.03 Quality of the educational system .....	95	11.02 Local supplier quality .....	123
5.04 Quality of math and science education .....	125	11.03 State of cluster development .....	79
5.05 Quality of management schools .....	122	11.04 Nature of competitive advantage .....	97
5.06 Internet access in schools .....	128	11.05 Value chain breadth .....	118
5.07 Local availability of research and training services .....	107	11.06 Control of international distribution .....	120
5.08 Extent of staff training .....	95	11.07 Production process sophistication .....	124
		11.08 Extent of marketing .....	115
		11.09 Willingness to delegate authority .....	83
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	119
		12.02 Quality of scientific research institutions .....	60
		12.03 Company spending on R&D .....	114
		12.04 University-industry research collaboration .....	85
		12.05 Gov't procurement of advanced tech products .....	105
		12.06 Availability of scientists and engineers .....	104
		12.07 Utility patents* .....	88

\* Hard data

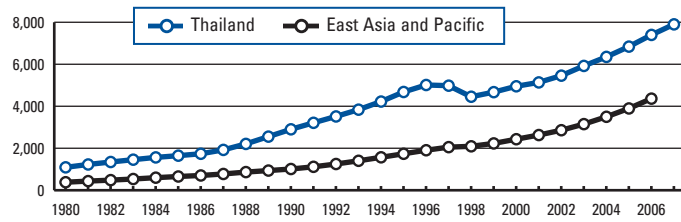
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Thailand

## Key indicators

Total population (millions), 2007 .....	65.3
GDP (US\$ billions), 2007 .....	245.7
GDP per capita (US\$), 2007 .....	3,736.8
GDP (PPP) as share (%) of world total, 2007 .....	0.80

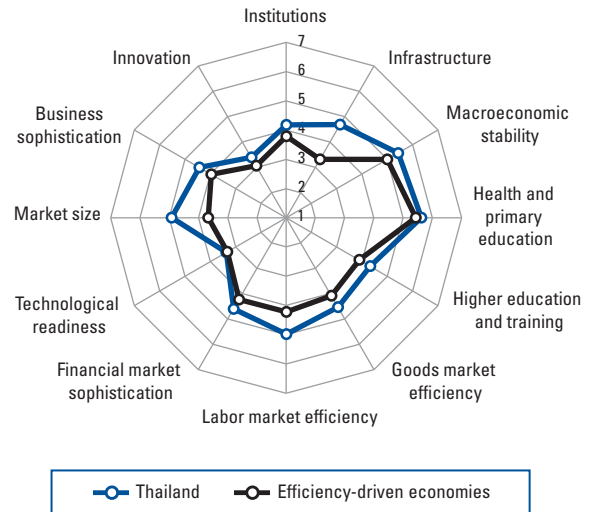
GDP (PPP US\$) per capita, 1980–2007



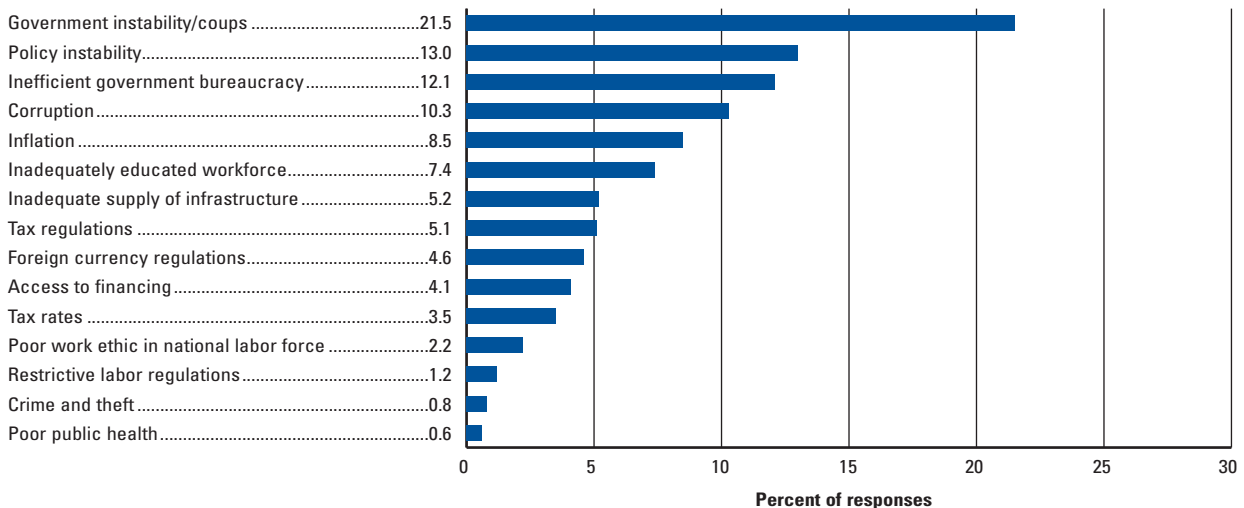
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>34</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	28	4.7
GCI 2006–2007 (out of 122) .....	28	4.8
<b>Basic requirements</b> .....	<b>43</b>	<b>5.0</b>
1st pillar: Institutions .....	57	4.2
2nd pillar: Infrastructure .....	29	4.7
3rd pillar: Macroeconomic stability .....	41	5.4
4th pillar: Health and primary education .....	58	5.6
<b>Efficiency enhancers</b> .....	<b>36</b>	<b>4.5</b>
5th pillar: Higher education and training .....	51	4.3
6th pillar: Goods market efficiency .....	46	4.5
7th pillar: Labor market efficiency .....	13	5.0
8th pillar: Financial market sophistication .....	49	4.6
9th pillar: Technological readiness .....	66	3.4
10th pillar: Market size .....	21	4.9
<b>Innovation and sophistication factors</b> .....	<b>46</b>	<b>3.9</b>
11th pillar: Business sophistication .....	46	4.4
12th pillar: Innovation .....	54	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	61
1.02 Intellectual property protection	55
1.03 Diversion of public funds	56
1.04 Public trust of politicians	64
1.05 Judicial independence	53
1.06 Favoritism in decisions of government officials	49
1.07 Wastefulness of government spending	34
1.08 Burden of government regulation	47
1.09 Efficiency of legal framework	49
1.10 Transparency of government policymaking	60
1.11 Business costs of terrorism	107
1.12 Business costs of crime and violence	50
1.13 Organized crime	63
1.14 Reliability of police services	71
1.15 Ethical behavior of firms	69
1.16 Strength of auditing and reporting standards	58
1.17 Efficacy of corporate boards	66
1.18 Protection of minority shareholders' interests	46
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	35
2.02 Quality of roads	32
2.03 Quality of railroad infrastructure	48
2.04 Quality of port infrastructure	48
2.05 Quality of air transport infrastructure	28
2.06 Available seat kilometers*	16
2.07 Quality of electricity supply	43
2.08 Telephone lines*	86
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	96
3.02 National savings rate*	23
3.03 Inflation*	30
3.04 Interest rate spread*	48
3.05 Government debt*	66
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	60
4.02 Malaria incidence*	93
4.03 Business impact of tuberculosis	57
4.04 Tuberculosis incidence*	96
4.05 Business impact of HIV/AIDS	97
4.06 HIV prevalence*	108
4.07 Infant mortality*	70
4.08 Life expectancy*	66
4.09 Quality of primary education	64
4.10 Primary enrollment*	61
4.11 Education expenditure*	46
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	85
5.02 Tertiary enrollment*	44
5.03 Quality of the educational system	53
5.04 Quality of math and science education	55
5.05 Quality of management schools	49
5.06 Internet access in schools	42
5.07 Local availability of research and training services	58
5.08 Extent of staff training	51

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	45
6.02 Extent of market dominance	60
6.03 Effectiveness of anti-monopoly policy	66
6.04 Extent and effect of taxation	27
6.05 Total tax rate*	49
6.06 No. of procedures required to start a business*	44
6.07 Time required to start a business*	77
6.08 Agricultural policy costs	52
6.09 Prevalence of trade barriers	101
6.10 Trade-weighted tariff rate*	81
6.11 Prevalence of foreign ownership	89
6.12 Business impact of rules on FDI	68
6.13 Burden of customs procedures	52
6.14 Degree of customer orientation	26
6.15 Buyer sophistication	44
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	17
7.02 Flexibility of wage determination	91
7.03 Non-wage labor costs*	20
7.04 Rigidity of employment*	21
7.05 Hiring and firing practices	39
7.06 Firing costs*	84
7.07 Pay and productivity	43
7.08 Reliance on professional management	59
7.09 Brain drain	31
7.10 Female participation in labor force*	38
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	37
8.02 Financing through local equity market	31
8.03 Ease of access to loans	44
8.04 Venture capital availability	53
8.05 Restriction on capital flows	104
8.06 Strength of investor protection*	26
8.07 Soundness of banks	75
8.08 Regulation of securities exchanges	36
8.09 Legal rights index*	52
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	50
9.02 Firm-level technology absorption	61
9.03 Laws relating to ICT	61
9.04 FDI and technology transfer	48
9.05 Mobile telephone subscribers*	72
9.06 Internet users*	78
9.07 Personal computers*	72
9.08 Broadband Internet subscribers*	94
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	23
10.02 Foreign market size*	18
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	25
11.02 Local supplier quality	40
11.03 State of cluster development	31
11.04 Nature of competitive advantage	67
11.05 Value chain breadth	54
11.06 Control of international distribution	83
11.07 Production process sophistication	68
11.08 Extent of marketing	47
11.09 Willingness to delegate authority	67
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	64
12.02 Quality of scientific research institutions	57
12.03 Company spending on R&D	54
12.04 University-industry research collaboration	38
12.05 Gov't procurement of advanced tech products	48
12.06 Availability of scientists and engineers	56
12.07 Utility patents*	69

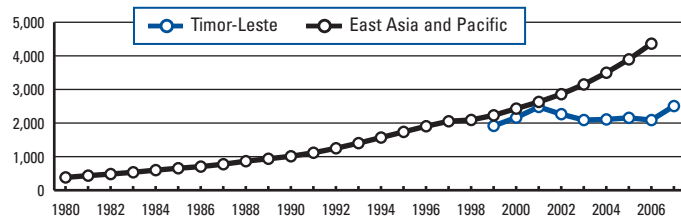


# Timor-Leste

## Key indicators

Total population (millions), 2007 .....	1.1
GDP (US\$ billions), 2007 .....	0.5
GDP per capita (US\$), 2007 .....	440.5
GDP (PPP) as share (%) of world total, 2007 .....	n/a

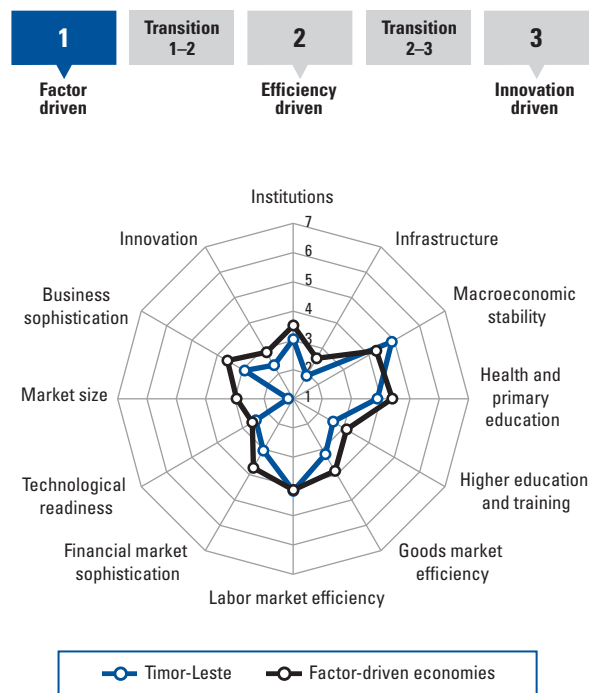
GDP (PPP US\$) per capita, 1980–2007



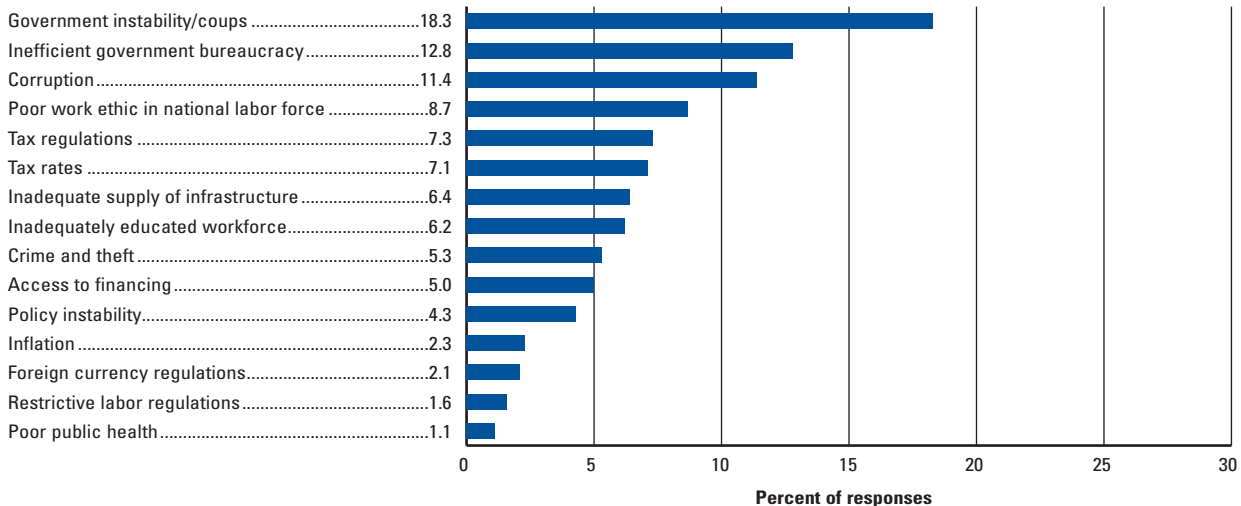
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>129</b>	<b>3.2</b>
GCI 2007–2008 (out of 131) .....	127	3.2
GCI 2006–2007 (out of 122) .....	120	3.1
<b>Basic requirements</b> .....	<b>128</b>	<b>3.4</b>
1st pillar: Institutions .....	125	3.0
2nd pillar: Infrastructure .....	131	1.9
3rd pillar: Macroeconomic stability .....	73	4.9
4th pillar: Health and primary education .....	121	3.9
<b>Efficiency enhancers</b> .....	<b>132</b>	<b>2.8</b>
5th pillar: Higher education and training .....	128	2.6
6th pillar: Goods market efficiency .....	130	3.2
7th pillar: Labor market efficiency .....	90	4.2
8th pillar: Financial market sophistication .....	129	3.0
9th pillar: Technological readiness .....	118	2.5
10th pillar: Market size .....	134	1.2
<b>Innovation and sophistication factors</b> .....	<b>133</b>	<b>2.6</b>
11th pillar: Business sophistication .....	134	2.9
12th pillar: Innovation .....	131	2.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	131 ■
1.02 Intellectual property protection .....	118 ■
1.03 Diversion of public funds .....	104 ■
1.04 Public trust of politicians .....	71 ■
1.05 Judicial independence .....	104 ■
1.06 Favoritism in decisions of government officials .....	84 ■
1.07 Wastefulness of government spending .....	94 ■
1.08 Burden of government regulation .....	64 ■
1.09 Efficiency of legal framework .....	92 ■
1.10 Transparency of government policymaking .....	127 ■
1.11 Business costs of terrorism .....	126 ■
1.12 Business costs of crime and violence .....	119 ■
1.13 Organized crime .....	115 ■
1.14 Reliability of police services .....	99 ■
1.15 Ethical behavior of firms .....	129 ■
1.16 Strength of auditing and reporting standards .....	134 ■
1.17 Efficacy of corporate boards .....	133 ■
1.18 Protection of minority shareholders' interests .....	127 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	131 ■
2.02 Quality of roads .....	130 ■
2.03 Quality of railroad infrastructure .....	95 ■
2.04 Quality of port infrastructure .....	129 ■
2.05 Quality of air transport infrastructure .....	131 ■
2.06 Available seat kilometers* .....	n/a
2.07 Quality of electricity supply .....	127 ■
2.08 Telephone lines* .....	n/a
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	n/a
3.02 National savings rate* .....	n/a
3.03 Inflation* .....	94 ■
3.04 Interest rate spread* .....	121 ■
3.05 Government debt* .....	1 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	134 ■
4.02 Malaria incidence* .....	115 ■
4.03 Business impact of tuberculosis .....	134 ■
4.04 Tuberculosis incidence* .....	130 ■
4.05 Business impact of HIV/AIDS .....	117 ■
4.06 HIV prevalence* .....	1 ■
4.07 Infant mortality* .....	102 ■
4.08 Life expectancy* .....	96 ■
4.09 Quality of primary education .....	132 ■
4.10 Primary enrollment* .....	121 ■
4.11 Education expenditure* .....	n/a
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	106 ■
5.02 Tertiary enrollment* .....	105 ■
5.03 Quality of the educational system .....	127 ■
5.04 Quality of math and science education .....	134 ■
5.05 Quality of management schools .....	134 ■
5.06 Internet access in schools .....	129 ■
5.07 Local availability of research and training services .....	133 ■
5.08 Extent of staff training .....	116 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	134 ■
6.02 Extent of market dominance .....	132 ■
6.03 Effectiveness of anti-monopoly policy .....	126 ■
6.04 Extent and effect of taxation .....	77 ■
6.05 Total tax rate* .....	16 ■
6.06 No. of procedures required to start a business* .....	58 ■
6.07 Time required to start a business* .....	119 ■
6.08 Agricultural policy costs .....	110 ■
6.09 Prevalence of trade barriers .....	134 ■
6.10 Trade-weighted tariff rate* .....	n/a
6.11 Prevalence of foreign ownership .....	115 ■
6.12 Business impact of rules on FDI .....	124 ■
6.13 Burden of customs procedures .....	120 ■
6.14 Degree of customer orientation .....	130 ■
6.15 Buyer sophistication .....	132 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	118 ■
7.02 Flexibility of wage determination .....	114 ■
7.03 Non-wage labor costs* .....	1 ■
7.04 Rigidity of employment* .....	57 ■
7.05 Hiring and firing practices .....	83 ■
7.06 Firing costs* .....	28 ■
7.07 Pay and productivity .....	116 ■
7.08 Reliance on professional management .....	131 ■
7.09 Brain drain .....	93 ■
7.10 Female participation in labor force* .....	85 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	131 ■
8.02 Financing through local equity market .....	128 ■
8.03 Ease of access to loans .....	84 ■
8.04 Venture capital availability .....	96 ■
8.05 Restriction on capital flows .....	89 ■
8.06 Strength of investor protection* .....	98 ■
8.07 Soundness of banks .....	130 ■
8.08 Regulation of securities exchanges .....	124 ■
8.09 Legal rights index* .....	119 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	130 ■
9.02 Firm-level technology absorption .....	132 ■
9.03 Laws relating to ICT .....	124 ■
9.04 FDI and technology transfer .....	129 ■
9.05 Mobile telephone subscribers* .....	132 ■
9.06 Internet users* .....	104 ■
9.07 Personal computers* .....	n/a
9.08 Broadband Internet subscribers* .....	n/a
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	132 ■
10.02 Foreign market size* .....	134 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	132 ■
11.02 Local supplier quality .....	134 ■
11.03 State of cluster development .....	108 ■
11.04 Nature of competitive advantage .....	57 ■
11.05 Value chain breadth .....	115 ■
11.06 Control of international distribution .....	134 ■
11.07 Production process sophistication .....	119 ■
11.08 Extent of marketing .....	134 ■
11.09 Willingness to delegate authority .....	121 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	115 ■
12.02 Quality of scientific research institutions .....	132 ■
12.03 Company spending on R&D .....	120 ■
12.04 University-industry research collaboration .....	130 ■
12.05 Gov't procurement of advanced tech products .....	109 ■
12.06 Availability of scientists and engineers .....	133 ■
12.07 Utility patents* .....	88 ■

\* Hard data

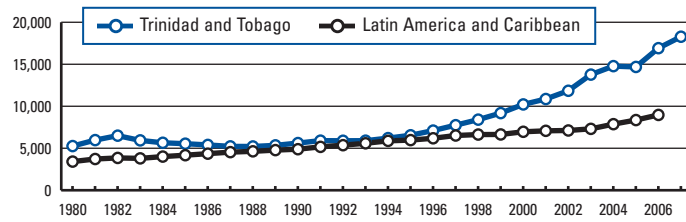
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Trinidad and Tobago

## Key indicators

Total population (millions), 2007 .....	1.3
GDP (US\$ billions), 2007 .....	20.7
GDP per capita (US\$), 2007 .....	15,904.8
GDP (PPP) as share (%) of world total, 2007 .....	0.04

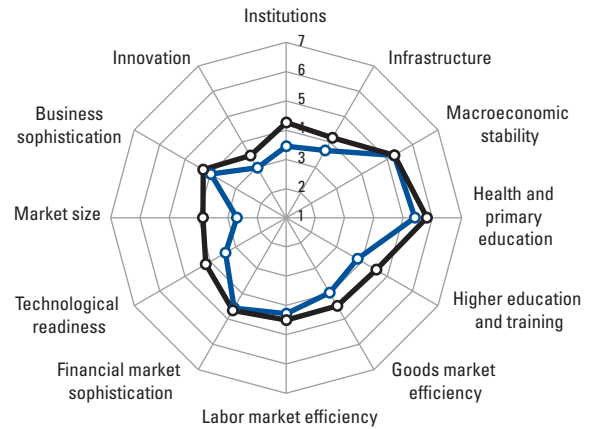
GDP (PPP US\$) per capita, 1980–2007



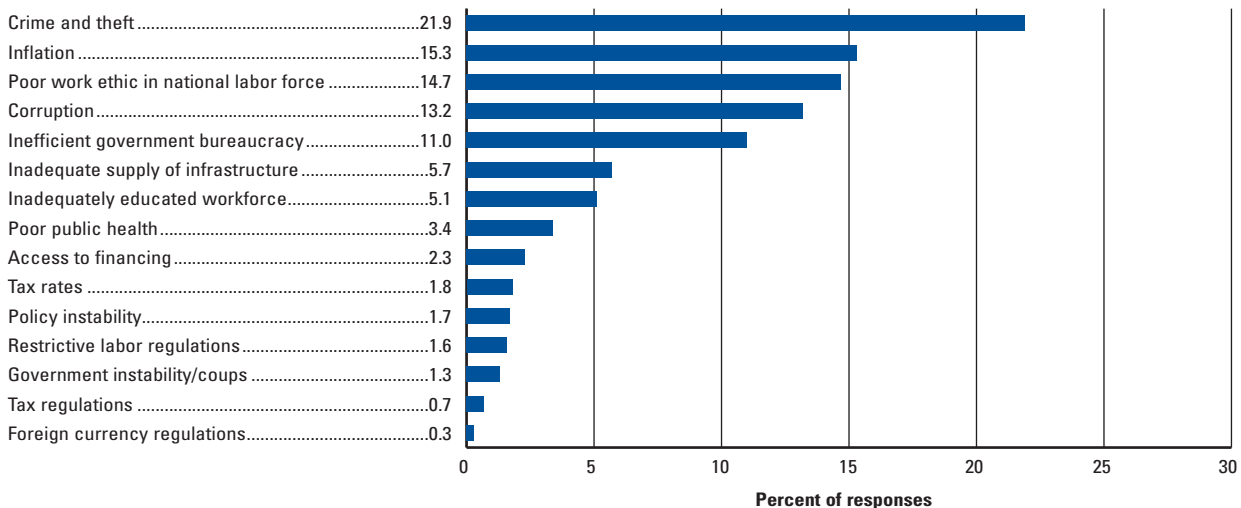
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>92</b>	<b>3.9</b>
GCI 2007–2008 (out of 131) .....	84	3.9
GCI 2006–2007 (out of 122) .....	76	3.9
<b>Basic requirements</b> .....	<b>65</b>	<b>4.4</b>
1st pillar: Institutions .....	104	3.4
2nd pillar: Infrastructure .....	63	3.6
3rd pillar: Macroeconomic stability .....	51	5.2
4th pillar: Health and primary education .....	72	5.4
<b>Efficiency enhancers</b> .....	<b>80</b>	<b>3.8</b>
5th pillar: Higher education and training .....	78	3.8
6th pillar: Goods market efficiency .....	90	4.0
7th pillar: Labor market efficiency .....	76	4.3
8th pillar: Financial market sophistication .....	52	4.6
9th pillar: Technological readiness .....	63	3.4
10th pillar: Market size .....	103	2.7
<b>Innovation and sophistication factors</b> .....	<b>79</b>	<b>3.5</b>
11th pillar: Business sophistication .....	73	4.0
12th pillar: Innovation .....	86	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	68	6.01 Intensity of local competition	75
1.02 Intellectual property protection	85	6.02 Extent of market dominance	110
1.03 Diversion of public funds	99	6.03 Effectiveness of anti-monopoly policy	109
1.04 Public trust of politicians	116	6.04 Extent and effect of taxation	23
1.05 Judicial independence	79	6.05 Total tax rate*	29
1.06 Favoritism in decisions of government officials	120	6.06 No. of procedures required to start a business*	58
1.07 Wastefulness of government spending	121	6.07 Time required to start a business*	96
1.08 Burden of government regulation	88	6.08 Agricultural policy costs	111
1.09 Efficiency of legal framework	74	6.09 Prevalence of trade barriers	49
1.10 Transparency of government policymaking	62	6.10 Trade-weighted tariff rate*	63
1.11 Business costs of terrorism	97	6.11 Prevalence of foreign ownership	49
1.12 Business costs of crime and violence	130	6.12 Business impact of rules on FDI	26
1.13 Organized crime	122	6.13 Burden of customs procedures	129
1.14 Reliability of police services	125	6.14 Degree of customer orientation	124
1.15 Ethical behavior of firms	106	6.15 Buyer sophistication	76
1.16 Strength of auditing and reporting standards	45		
1.17 Efficacy of corporate boards	99	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	83	7.01 Cooperation in labor-employer relations	131
		7.02 Flexibility of wage determination	82
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs*	12
2.01 Quality of overall infrastructure	60	7.04 Rigidity of employment*	8
2.02 Quality of roads	71	7.05 Hiring and firing practices	80
2.03 Quality of railroad infrastructure	n/a	7.06 Firing costs*	92
2.04 Quality of port infrastructure	89	7.07 Pay and productivity	117
2.05 Quality of air transport infrastructure	67	7.08 Reliance on professional management	55
2.06 Available seat kilometers*	85	7.09 Brain drain	85
2.07 Quality of electricity supply	62	7.10 Female participation in labor force*	100
2.08 Telephone lines*	55		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication	60
3.01 Government surplus/deficit*	42	8.02 Financing through local equity market	79
3.02 National savings rate*	22	8.03 Ease of access to loans	57
3.03 Inflation*	96	8.04 Venture capital availability	70
3.04 Interest rate spread*	75	8.05 Restriction on capital flows	30
3.05 Government debt*	46	8.06 Strength of investor protection*	15
		8.07 Soundness of banks	32
		8.08 Regulation of securities exchanges	78
		8.09 Legal rights index*	52
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria	70	9.01 Availability of latest technologies	69
4.02 Malaria incidence*	1	9.02 Firm-level technology absorption	69
4.03 Business impact of tuberculosis	71	9.03 Laws relating to ICT	102
4.04 Tuberculosis incidence*	16	9.04 FDI and technology transfer	46
4.05 Business impact of HIV/AIDS	121	9.05 Mobile telephone subscribers*	65
4.06 HIV prevalence*	109	9.06 Internet users*	58
4.07 Infant mortality*	67	9.07 Personal computers*	47
4.08 Life expectancy*	87	9.08 Broadband Internet subscribers*	64
4.09 Quality of primary education	50		
4.10 Primary enrollment*	106	<b>10th pillar: Market size</b>	
4.11 Education expenditure*	73	10.01 Domestic market size*	112
		10.02 Foreign market size*	86
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment*	90	11.01 Local supplier quantity	87
5.02 Tertiary enrollment*	101	11.02 Local supplier quality	77
5.03 Quality of the educational system	42	11.03 State of cluster development	63
5.04 Quality of math and science education	43	11.04 Nature of competitive advantage	119
5.05 Quality of management schools	37	11.05 Value chain breadth	81
5.06 Internet access in schools	72	11.06 Control of international distribution	76
5.07 Local availability of research and training services	91	11.07 Production process sophistication	57
5.08 Extent of staff training	65	11.08 Extent of marketing	69
		11.09 Willingness to delegate authority	86
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	111
		12.02 Quality of scientific research institutions	69
		12.03 Company spending on R&D	84
		12.04 University-industry research collaboration	67
		12.05 Gov't procurement of advanced tech products	121
		12.06 Availability of scientists and engineers	55
		12.07 Utility patents*	52

\* Hard data

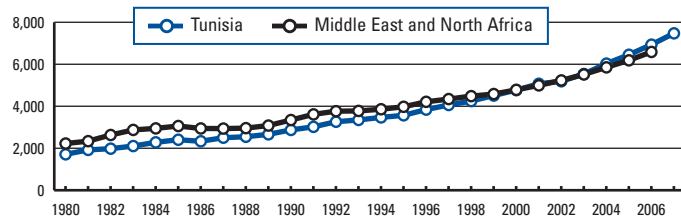
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Tunisia

## Key indicators

Total population (millions), 2007 .....	10.3
GDP (US\$ billions), 2007 .....	35.0
GDP per capita (US\$), 2007 .....	3,397.6
GDP (PPP) as share (%) of world total, 2007 .....	0.12

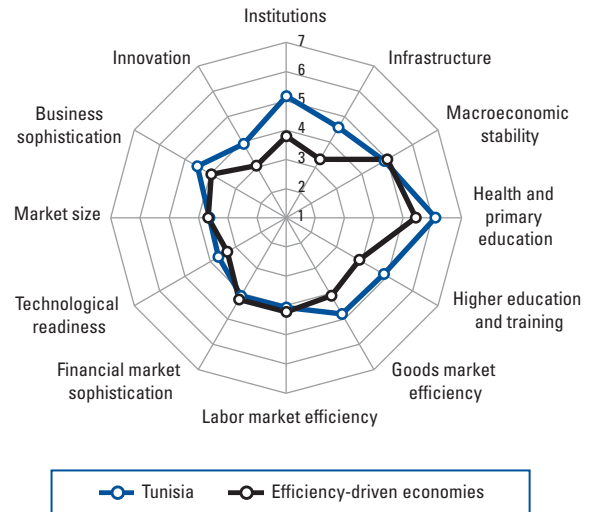
GDP (PPP US\$) per capita, 1980–2007



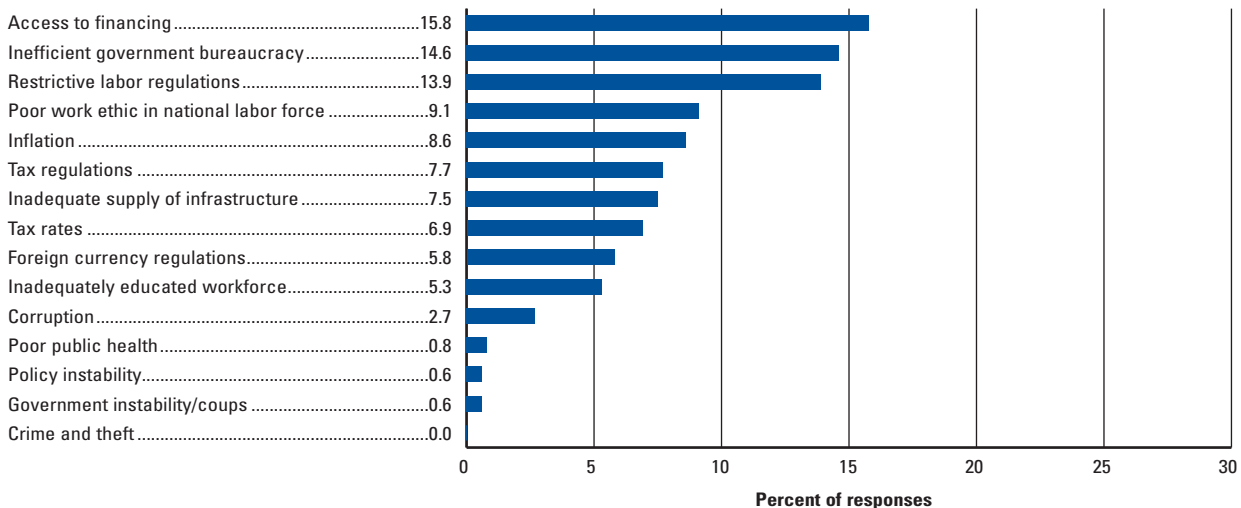
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>36</b>	<b>4.6</b>
GCI 2007–2008 (out of 131) .....	32	4.6
GCI 2006–2007 (out of 122) .....	33	4.6
<b>Basic requirements</b> .....	<b>35</b>	<b>5.2</b>
1st pillar: Institutions .....	22	5.2
2nd pillar: Infrastructure .....	34	4.6
3rd pillar: Macroeconomic stability .....	75	4.9
4th pillar: Health and primary education .....	27	6.1
<b>Efficiency enhancers</b> .....	<b>53</b>	<b>4.2</b>
5th pillar: Higher education and training .....	27	4.8
6th pillar: Goods market efficiency .....	30	4.8
7th pillar: Labor market efficiency .....	103	4.1
8th pillar: Financial market sophistication .....	77	4.1
9th pillar: Technological readiness .....	52	3.7
10th pillar: Market size .....	62	3.6
<b>Innovation and sophistication factors</b> .....	<b>30</b>	<b>4.2</b>
11th pillar: Business sophistication .....	40	4.5
12th pillar: Innovation .....	27	3.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	
<b>1st pillar: Institutions</b>		
1.01 Property rights	33	■
1.02 Intellectual property protection	40	■
1.03 Diversion of public funds	24	■
1.04 Public trust of politicians	16	■
1.05 Judicial independence	39	■
1.06 Favoritism in decisions of government officials	14	■
1.07 Wastefulness of government spending	2	■
1.08 Burden of government regulation	16	■
1.09 Efficiency of legal framework	25	■
1.10 Transparency of government policymaking	15	■
1.11 Business costs of terrorism	58	■
1.12 Business costs of crime and violence	30	■
1.13 Organized crime	44	■
1.14 Reliability of police services	24	■
1.15 Ethical behavior of firms	29	■
1.16 Strength of auditing and reporting standards	50	■
1.17 Efficacy of corporate boards	62	■
1.18 Protection of minority shareholders' interests	30	■
<b>2nd pillar: Infrastructure</b>		
2.01 Quality of overall infrastructure	33	■
2.02 Quality of roads	39	■
2.03 Quality of railroad infrastructure	22	■
2.04 Quality of port infrastructure	38	■
2.05 Quality of air transport infrastructure	29	■
2.06 Available seat kilometers*	73	■
2.07 Quality of electricity supply	33	■
2.08 Telephone lines*	84	■
<b>3rd pillar: Macroeconomic stability</b>		
3.01 Government surplus/deficit*	106	■
3.02 National savings rate*	67	■
3.03 Inflation*	50	■
3.04 Interest rate spread*	39	■
3.05 Government debt*	95	■
<b>4th pillar: Health and primary education</b>		
4.01 Business impact of malaria	47	■
4.02 Malaria incidence*	1	■
4.03 Business impact of tuberculosis	35	■
4.04 Tuberculosis incidence*	44	■
4.05 Business impact of HIV/AIDS	21	■
4.06 HIV prevalence*	23	■
4.07 Infant mortality*	74	■
4.08 Life expectancy*	66	■
4.09 Quality of primary education	21	■
4.10 Primary enrollment*	45	■
4.11 Education expenditure*	14	■
<b>5th pillar: Higher education and training</b>		
5.01 Secondary enrollment*	74	■
5.02 Tertiary enrollment*	67	■
5.03 Quality of the educational system	17	■
5.04 Quality of math and science education	7	■
5.05 Quality of management schools	17	■
5.06 Internet access in schools	34	■
5.07 Local availability of research and training services	28	■
5.08 Extent of staff training	27	■

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

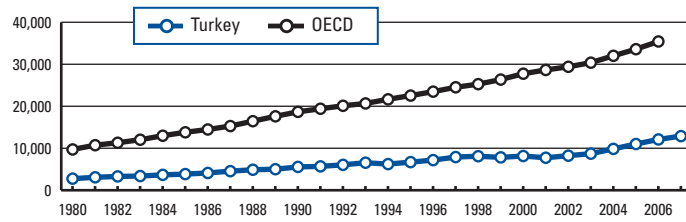
INDICATOR	RANK/134	
<b>6th pillar: Goods market efficiency</b>		
6.01 Intensity of local competition	34	■
6.02 Extent of market dominance	27	■
6.03 Effectiveness of anti-monopoly policy	24	■
6.04 Extent and effect of taxation	21	■
6.05 Total tax rate*	108	■
6.06 No. of procedures required to start a business*	75	■
6.07 Time required to start a business*	19	■
6.08 Agricultural policy costs	4	■
6.09 Prevalence of trade barriers	57	■
6.10 Trade-weighted tariff rate*	130	■
6.11 Prevalence of foreign ownership	60	■
6.12 Business impact of rules on FDI	16	■
6.13 Burden of customs procedures	37	■
6.14 Degree of customer orientation	28	■
6.15 Buyer sophistication	30	■
<b>7th pillar: Labor market efficiency</b>		
7.01 Cooperation in labor-employer relations	30	■
7.02 Flexibility of wage determination	113	■
7.03 Non-wage labor costs*	94	■
7.04 Rigidity of employment*	104	■
7.05 Hiring and firing practices	49	■
7.06 Firing costs*	28	■
7.07 Pay and productivity	56	■
7.08 Reliance on professional management	64	■
7.09 Brain drain	48	■
7.10 Female participation in labor force*	126	■
<b>8th pillar: Financial market sophistication</b>		
8.01 Financial market sophistication	61	■
8.02 Financing through local equity market	60	■
8.03 Ease of access to loans	43	■
8.04 Venture capital availability	35	■
8.05 Restriction on capital flows	82	■
8.06 Strength of investor protection*	112	■
8.07 Soundness of banks	85	■
8.08 Regulation of securities exchanges	50	■
8.09 Legal rights index*	119	■
<b>9th pillar: Technological readiness</b>		
9.01 Availability of latest technologies	36	■
9.02 Firm-level technology absorption	34	■
9.03 Laws relating to ICT	30	■
9.04 FDI and technology transfer	27	■
9.05 Mobile telephone subscribers*	59	■
9.06 Internet users*	79	■
9.07 Personal computers*	77	■
9.08 Broadband Internet subscribers*	84	■
<b>10th pillar: Market size</b>		
10.01 Domestic market size*	65	■
10.02 Foreign market size*	63	■
<b>11th pillar: Business sophistication</b>		
11.01 Local supplier quantity	21	■
11.02 Local supplier quality	44	■
11.03 State of cluster development	50	■
11.04 Nature of competitive advantage	45	■
11.05 Value chain breadth	31	■
11.06 Control of international distribution	31	■
11.07 Production process sophistication	40	■
11.08 Extent of marketing	45	■
11.09 Willingness to delegate authority	72	■
<b>12th pillar: Innovation</b>		
12.01 Capacity for innovation	38	■
12.02 Quality of scientific research institutions	42	■
12.03 Company spending on R&D	38	■
12.04 University-industry research collaboration	35	■
12.05 Gov't procurement of advanced tech products	3	■
12.06 Availability of scientists and engineers	10	■
12.07 Utility patents*	88	■

# Turkey

## Key indicators

Total population (millions), 2007 .....	75.2
GDP (US\$ billions), 2007 .....	663.4
GDP per capita (US\$), 2007 .....	9,629.1
GDP (PPP) as share (%) of world total, 2007 .....	1.37

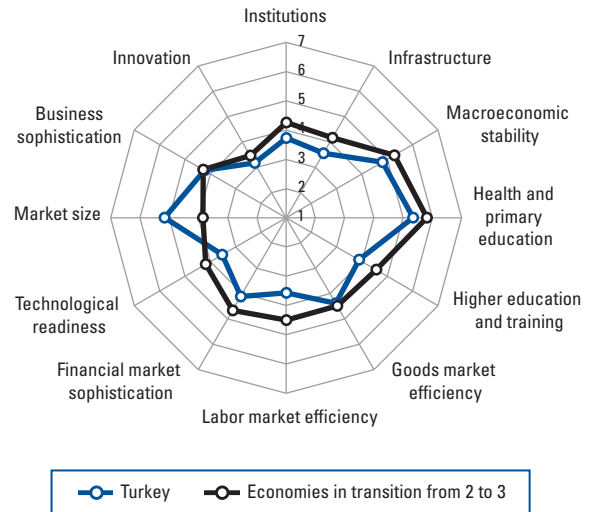
GDP (PPP US\$) per capita, 1980–2007



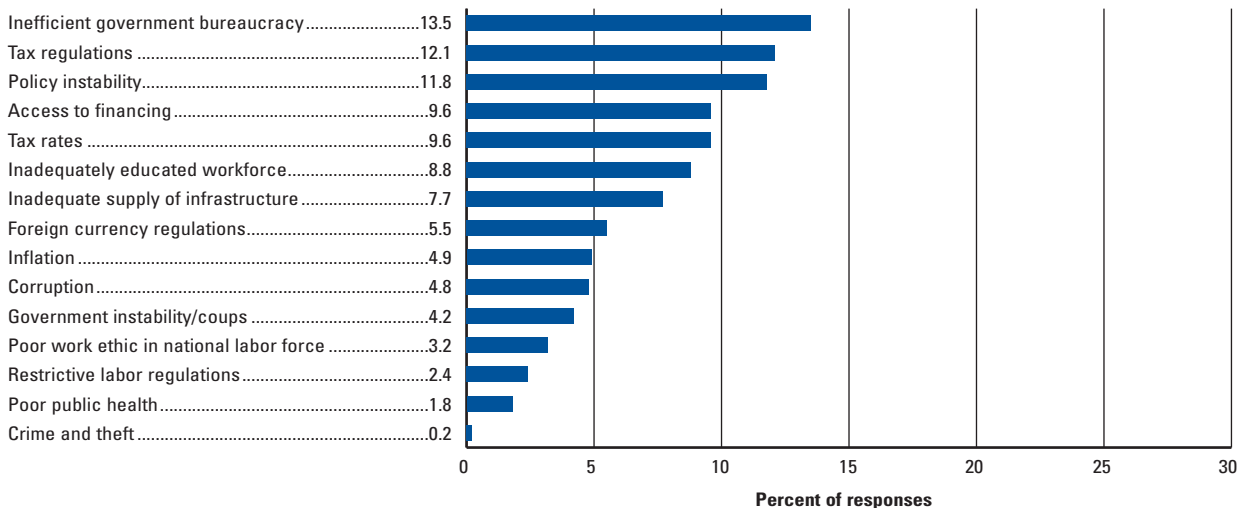
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>63</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	53	4.2
GCI 2006–2007 (out of 122) .....	58	4.1
<b>Basic requirements</b> .....	<b>72</b>	<b>4.3</b>
1st pillar: Institutions .....	80	3.7
2nd pillar: Infrastructure .....	66	3.5
3rd pillar: Macroeconomic stability .....	79	4.8
4th pillar: Health and primary education .....	78	5.3
<b>Efficiency enhancers</b> .....	<b>59</b>	<b>4.1</b>
5th pillar: Higher education and training .....	72	3.9
6th pillar: Goods market efficiency .....	55	4.4
7th pillar: Labor market efficiency .....	125	3.6
8th pillar: Financial market sophistication .....	76	4.1
9th pillar: Technological readiness .....	58	3.5
10th pillar: Market size .....	15	5.2
<b>Innovation and sophistication factors</b> .....	<b>63</b>	<b>3.7</b>
11th pillar: Business sophistication .....	60	4.2
12th pillar: Innovation .....	66	3.2

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights	83	6.01 Intensity of local competition	42
1.02 Intellectual property protection	93	6.02 Extent of market dominance	51
1.03 Diversion of public funds	83	6.03 Effectiveness of anti-monopoly policy	41
1.04 Public trust of politicians	78	6.04 Extent and effect of taxation	123
1.05 Judicial independence	64	6.05 Total tax rate*	70
1.06 Favoritism in decisions of government officials	77	6.06 No. of procedures required to start a business*	19
1.07 Wastefulness of government spending	97	6.07 Time required to start a business*	6
1.08 Burden of government regulation	104	6.08 Agricultural policy costs	88
1.09 Efficiency of legal framework	82	6.09 Prevalence of trade barriers	44
1.10 Transparency of government policymaking	97	6.10 Trade-weighted tariff rate*	48
1.11 Business costs of terrorism	117	6.11 Prevalence of foreign ownership	42
1.12 Business costs of crime and violence	65	6.12 Business impact of rules on FDI	50
1.13 Organized crime	89	6.13 Burden of customs procedures	83
1.14 Reliability of police services	83	6.14 Degree of customer orientation	69
1.15 Ethical behavior of firms	58	6.15 Buyer sophistication	78
1.16 Strength of auditing and reporting standards	79		
1.17 Efficacy of corporate boards	127	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests	80	7.01 Cooperation in labor-employer relations	116
<b>2nd pillar: Infrastructure</b>		7.02 Flexibility of wage determination	83
2.01 Quality of overall infrastructure	70	7.03 Non-wage labor costs*	94
2.02 Quality of roads	54	7.04 Rigidity of employment*	81
2.03 Quality of railroad infrastructure	69	7.05 Hiring and firing practices	51
2.04 Quality of port infrastructure	88	7.06 Firing costs*	113
2.05 Quality of air transport infrastructure	55	7.07 Pay and productivity	102
2.06 Available seat kilometers*	24	7.08 Reliance on professional management	93
2.07 Quality of electricity supply	84	7.09 Brain drain	67
2.08 Telephone lines*	53	7.10 Female participation in labor force*	129
<b>3rd pillar: Macroeconomic stability</b>		<b>8th pillar: Financial market sophistication</b>	
3.01 Government surplus/deficit*	75	8.01 Financial market sophistication	39
3.02 National savings rate*	71	8.02 Financing through local equity market	65
3.03 Inflation*	107	8.03 Ease of access to loans	75
3.04 Interest rate spread*	55	8.04 Venture capital availability	97
3.05 Government debt*	68	8.05 Restriction on capital flows	25
<b>4th pillar: Health and primary education</b>		8.06 Strength of investor protection*	50
4.01 Business impact of malaria	55	8.07 Soundness of banks	114
4.02 Malaria incidence*	80	8.08 Regulation of securities exchanges	69
4.03 Business impact of tuberculosis	54	8.09 Legal rights index*	93
4.04 Tuberculosis incidence*	48	<b>9th pillar: Technological readiness</b>	
4.05 Business impact of HIV/AIDS	37	9.01 Availability of latest technologies	45
4.06 HIV prevalence*	1	9.02 Firm-level technology absorption	48
4.07 Infant mortality*	84	9.03 Laws relating to ICT	55
4.08 Life expectancy*	55	9.04 FDI and technology transfer	86
4.09 Quality of primary education	91	9.05 Mobile telephone subscribers*	60
4.10 Primary enrollment*	77	9.06 Internet users*	68
4.11 Education expenditure*	90	9.07 Personal computers*	80
<b>5th pillar: Higher education and training</b>		9.08 Broadband Internet subscribers*	50
5.01 Secondary enrollment*	84	<b>10th pillar: Market size</b>	
5.02 Tertiary enrollment*	60	10.01 Domestic market size*	15
5.03 Quality of the educational system	77	10.02 Foreign market size*	25
5.04 Quality of math and science education	73	<b>11th pillar: Business sophistication</b>	
5.05 Quality of management schools	65	11.01 Local supplier quantity	32
5.06 Internet access in schools	55	11.02 Local supplier quality	55
5.07 Local availability of research and training services	68	11.03 State of cluster development	54
5.08 Extent of staff training	90	11.04 Nature of competitive advantage	91
		11.05 Value chain breadth	38
		11.06 Control of international distribution	51
		11.07 Production process sophistication	56
		11.08 Extent of marketing	70
		11.09 Willingness to delegate authority	95
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation	55
		12.02 Quality of scientific research institutions	52
		12.03 Company spending on R&D	73
		12.04 University-industry research collaboration	57
		12.05 Gov't procurement of advanced tech products	106
		12.06 Availability of scientists and engineers	59
		12.07 Utility patents*	66

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

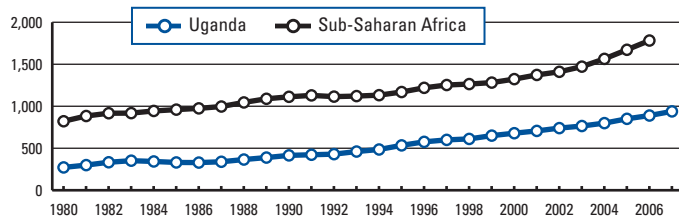


# Uganda

## Key indicators

Total population (millions), 2007 .....	30.9
GDP (US\$ billions), 2007 .....	11.2
GDP per capita (US\$), 2007 .....	363.0
GDP (PPP) as share (%) of world total, 2007 .....	0.05

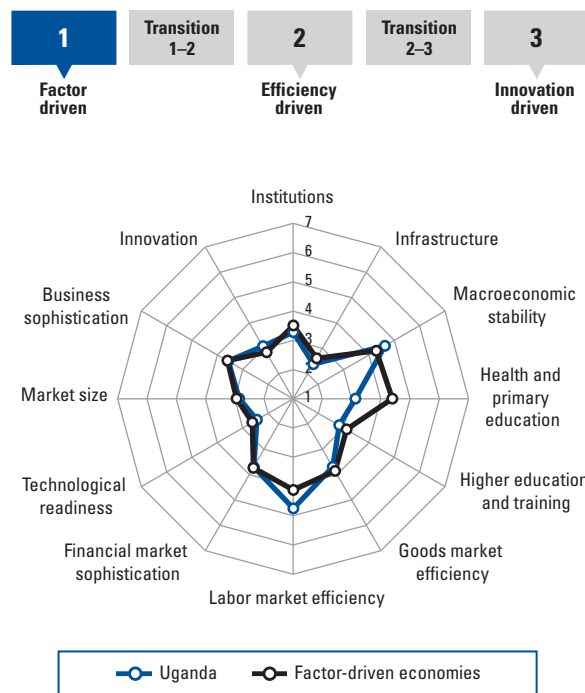
GDP (PPP US\$) per capita, 1980–2007



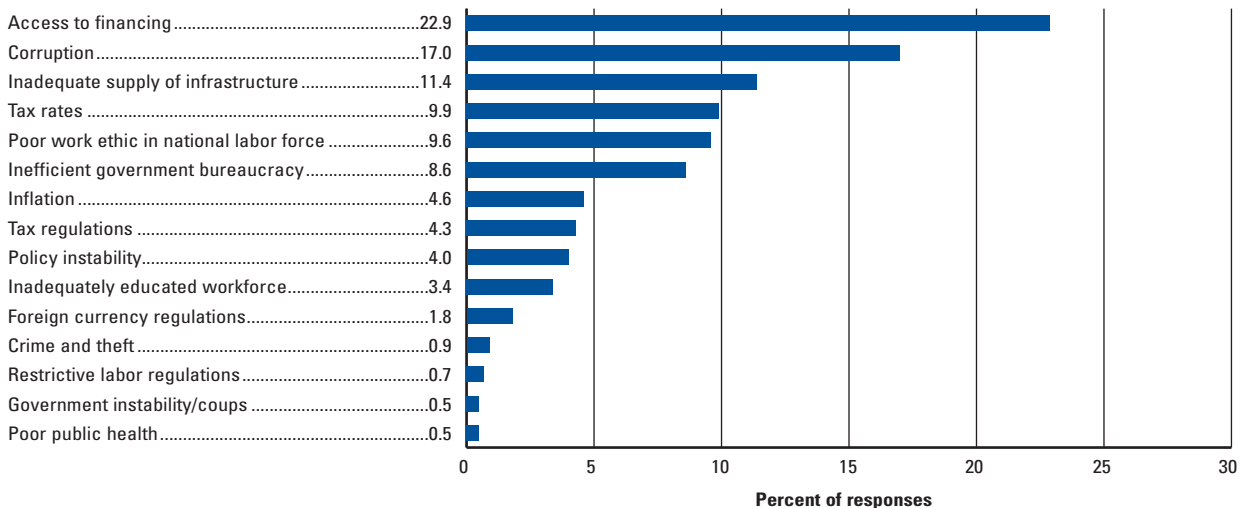
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>128</b>	<b>3.3</b>
GCI 2007–2008 (out of 131) .....	120	3.3
GCI 2006–2007 (out of 122) .....	108	3.4
<b>Basic requirements</b> .....	<b>129</b>	<b>3.3</b>
1st pillar: Institutions .....	113	3.3
2nd pillar: Infrastructure .....	115	2.4
3rd pillar: Macroeconomic stability .....	92	4.6
4th pillar: Health and primary education .....	133	3.1
<b>Efficiency enhancers</b> .....	<b>106</b>	<b>3.4</b>
5th pillar: Higher education and training .....	120	2.8
6th pillar: Goods market efficiency .....	114	3.7
7th pillar: Labor market efficiency .....	25	4.7
8th pillar: Financial market sophistication .....	102	3.7
9th pillar: Technological readiness .....	121	2.4
10th pillar: Market size .....	96	2.8
<b>Innovation and sophistication factors</b> .....	<b>90</b>	<b>3.3</b>
11th pillar: Business sophistication .....	97	3.6
12th pillar: Innovation .....	72	3.1

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....112	6.01	Intensity of local competition .....69
1.02	Intellectual property protection .....112	6.02	Extent of market dominance .....118
1.03	Diversion of public funds .....128	6.03	Effectiveness of anti-monopoly policy .....80
1.04	Public trust of politicians .....107	6.04	Extent and effect of taxation .....117
1.05	Judicial independence .....87	6.05	Total tax rate* .....24
1.06	Favoritism in decisions of government officials .....126	6.06	No. of procedures required to start a business* .....125
1.07	Wastefulness of government spending .....114	6.07	Time required to start a business* .....64
1.08	Burden of government regulation .....33	6.08	Agricultural policy costs .....113
1.09	Efficiency of legal framework .....80	6.09	Prevalence of trade barriers .....109
1.10	Transparency of government policymaking .....78	6.10	Trade-weighted tariff rate* .....106
1.11	Business costs of terrorism .....121	6.11	Prevalence of foreign ownership .....7
1.12	Business costs of crime and violence .....103	6.12	Business impact of rules on FDI .....10
1.13	Organized crime .....102	6.13	Burden of customs procedures .....102
1.14	Reliability of police services .....92	6.14	Degree of customer orientation .....101
1.15	Ethical behavior of firms .....114	6.15	Buyer sophistication .....129
1.16	Strength of auditing and reporting standards .....112	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....94	7.01	Cooperation in labor-employer relations .....106
1.18	Protection of minority shareholders' interests .....89	7.02	Flexibility of wage determination .....2
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....30
2.01	Quality of overall infrastructure .....107	7.04	Rigidity of employment* .....4
2.02	Quality of roads .....111	7.05	Hiring and firing practices .....12
2.03	Quality of railroad infrastructure .....103	7.06	Firing costs* .....19
2.04	Quality of port infrastructure .....72	7.07	Pay and productivity .....118
2.05	Quality of air transport infrastructure .....119	7.08	Reliance on professional management .....99
2.06	Available seat kilometers* .....93	7.09	Brain drain .....124
2.07	Quality of electricity supply .....125	7.10	Female participation in labor force* .....11
2.08	Telephone lines* .....130	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....109
3.01	Government surplus/deficit* .....101	8.02	Financing through local equity market .....84
3.02	National savings rate* .....59	8.03	Ease of access to loans .....88
3.03	Inflation* .....84	8.04	Venture capital availability .....90
3.04	Interest rate spread* .....111	8.05	Restriction on capital flows .....59
3.05	Government debt* .....27	8.06	Strength of investor protection* .....98
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....109
4.01	Business impact of malaria .....132	8.08	Regulation of securities exchanges .....87
4.02	Malaria incidence* .....134	8.09	Legal rights index* .....93
4.03	Business impact of tuberculosis .....126	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....120	9.01	Availability of latest technologies .....122
4.05	Business impact of HIV/AIDS .....127	9.02	Firm-level technology absorption .....124
4.06	HIV prevalence* .....124	9.03	Laws relating to ICT .....101
4.07	Infant mortality* .....118	9.04	FDI and technology transfer .....67
4.08	Life expectancy* .....123	9.05	Mobile telephone subscribers* .....125
4.09	Quality of primary education .....114	9.06	Internet users* .....106
4.10	Primary enrollment* .....n/a	9.07	Personal computers* .....109
4.11	Education expenditure* .....74	9.08	Broadband Internet subscribers* .....119
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....129	10.01	Domestic market size* .....90
5.02	Tertiary enrollment* .....122	10.02	Foreign market size* .....116
5.03	Quality of the educational system .....93	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....111	11.01	Local supplier quantity .....67
5.05	Quality of management schools .....104	11.02	Local supplier quality .....108
5.06	Internet access in schools .....125	11.03	State of cluster development .....84
5.07	Local availability of research and training services .....62	11.04	Nature of competitive advantage .....85
5.08	Extent of staff training .....100	11.05	Value chain breadth .....107
		11.06	Control of international distribution .....101
		11.07	Production process sophistication .....131
		11.08	Extent of marketing .....125
		11.09	Willingness to delegate authority .....106
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....75
		12.02	Quality of scientific research institutions .....41
		12.03	Company spending on R&D .....111
		12.04	University-industry research collaboration .....61
		12.05	Gov't procurement of advanced tech products .....86
		12.06	Availability of scientists and engineers .....77
		12.07	Utility patents* .....88

\* Hard data

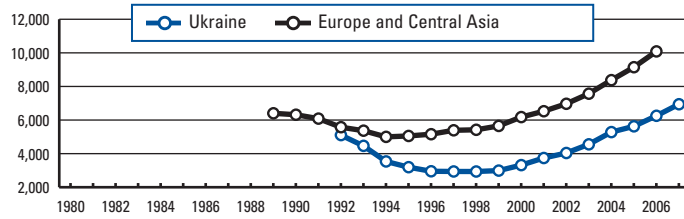
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Ukraine

## Key indicators

Total population (millions), 2007 .....	45.5
GDP (US\$ billions), 2007 .....	140.5
GDP per capita (US\$), 2007 .....	3,046.1
GDP (PPP) as share (%) of world total, 2007 .....	0.49

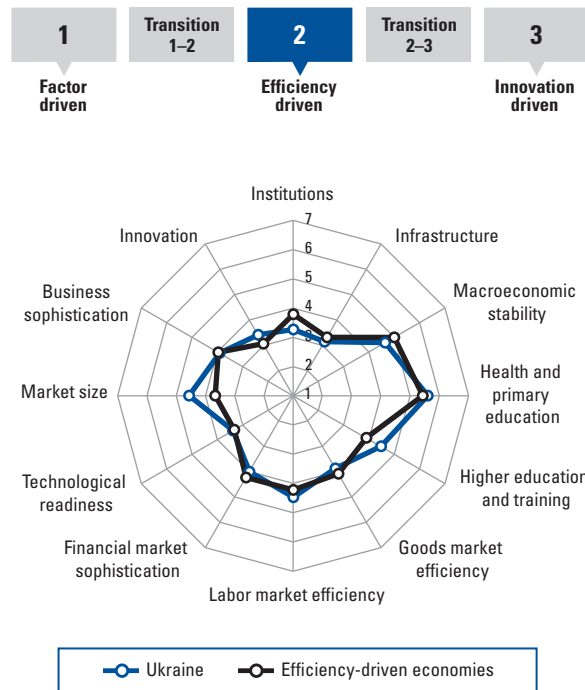
GDP (PPP US\$) per capita, 1980–2007



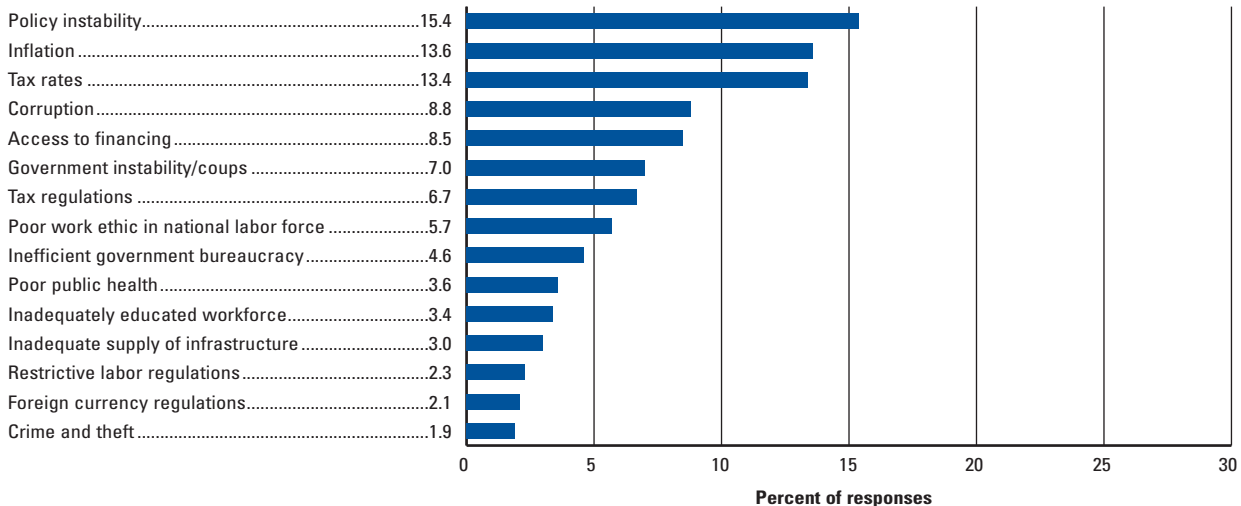
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>72</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	73	4.0
GCI 2006–2007 (out of 122) .....	69	4.0
<b>Basic requirements</b> .....	<b>86</b>	<b>4.1</b>
1st pillar: Institutions .....	115	3.3
2nd pillar: Infrastructure .....	79	3.1
3rd pillar: Macroeconomic stability .....	91	4.6
4th pillar: Health and primary education .....	60	5.6
<b>Efficiency enhancers</b> .....	<b>58</b>	<b>4.1</b>
5th pillar: Higher education and training .....	43	4.5
6th pillar: Goods market efficiency .....	103	3.9
7th pillar: Labor market efficiency .....	54	4.5
8th pillar: Financial market sophistication .....	85	4.0
9th pillar: Technological readiness .....	65	3.4
10th pillar: Market size .....	31	4.6
<b>Innovation and sophistication factors</b> .....	<b>66</b>	<b>3.7</b>
11th pillar: Business sophistication .....	80	3.9
12th pillar: Innovation .....	52	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....123	6.01	Intensity of local competition .....105
1.02	Intellectual property protection .....114	6.02	Extent of market dominance .....75
1.03	Diversion of public funds .....97	6.03	Effectiveness of anti-monopoly policy .....96
1.04	Public trust of politicians .....101	6.04	Extent and effect of taxation .....127
1.05	Judicial independence .....119	6.05	Total tax rate* .....107
1.06	Favoritism in decisions of government officials .....96	6.06	No. of procedures required to start a business* .....75
1.07	Wastefulness of government spending .....98	6.07	Time required to start a business* .....61
1.08	Burden of government regulation .....91	6.08	Agricultural policy costs .....132
1.09	Efficiency of legal framework .....116	6.09	Prevalence of trade barriers .....113
1.10	Transparency of government policymaking .....114	6.10	Trade-weighted tariff rate* .....49
1.11	Business costs of terrorism .....67	6.11	Prevalence of foreign ownership .....123
1.12	Business costs of crime and violence .....61	6.12	Business impact of rules on FDI .....120
1.13	Organized crime .....98	6.13	Burden of customs procedures .....109
1.14	Reliability of police services .....106	6.14	Degree of customer orientation .....50
1.15	Ethical behavior of firms .....118	6.15	Buyer sophistication .....81
1.16	Strength of auditing and reporting standards .....113	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....89	7.01	Cooperation in labor-employer relations .....69
1.18	Protection of minority shareholders' interests .....129	7.02	Flexibility of wage determination .....61
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....125
2.01	Quality of overall infrastructure .....86	7.04	Rigidity of employment* .....90
2.02	Quality of roads .....120	7.05	Hiring and firing practices .....11
2.03	Quality of railroad infrastructure .....30	7.06	Firing costs* .....19
2.04	Quality of port infrastructure .....87	7.07	Pay and productivity .....16
2.05	Quality of air transport infrastructure .....105	7.08	Reliance on professional management .....83
2.06	Available seat kilometers* .....58	7.09	Brain drain .....83
2.07	Quality of electricity supply .....80	7.10	Female participation in labor force* .....31
2.08	Telephone lines* .....50	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....91
3.01	Government surplus/deficit* .....78	8.02	Financing through local equity market .....92
3.02	National savings rate* .....85	8.03	Ease of access to loans .....66
3.03	Inflation* .....127	8.04	Venture capital availability .....58
3.04	Interest rate spread* .....72	8.05	Restriction on capital flows .....110
3.05	Government debt* .....18	8.06	Strength of investor protection* .....107
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....112
4.01	Business impact of malaria .....75	8.08	Regulation of securities exchanges .....120
4.02	Malaria incidence* .....1	8.09	Legal rights index* .....8
4.03	Business impact of tuberculosis .....114	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....89	9.01	Availability of latest technologies .....82
4.05	Business impact of HIV/AIDS .....99	9.02	Firm-level technology absorption .....80
4.06	HIV prevalence* .....111	9.03	Laws relating to ICT .....78
4.07	Infant mortality* .....56	9.04	FDI and technology transfer .....100
4.08	Life expectancy* .....95	9.05	Mobile telephone subscribers* .....21
4.09	Quality of primary education .....37	9.06	Internet users* .....62
4.10	Primary enrollment* .....84	9.07	Personal computers* .....86
4.11	Education expenditure* .....60	9.08	Broadband Internet subscribers* .....68
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....50	10.01	Domestic market size* .....29
5.02	Tertiary enrollment* .....14	10.02	Foreign market size* .....37
5.03	Quality of the educational system .....40	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....32	11.01	Local supplier quantity .....74
5.05	Quality of management schools .....71	11.02	Local supplier quality .....87
5.06	Internet access in schools .....69	11.03	State of cluster development .....83
5.07	Local availability of research and training services .....66	11.04	Nature of competitive advantage .....87
5.08	Extent of staff training .....99	11.05	Value chain breadth .....89
		11.06	Control of international distribution .....40
		11.07	Production process sophistication .....53
		11.08	Extent of marketing .....85
		11.09	Willingness to delegate authority .....107
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....31
		12.02	Quality of scientific research institutions .....48
		12.03	Company spending on R&D .....52
		12.04	University-industry research collaboration .....49
		12.05	Gov't procurement of advanced tech products .....54
		12.06	Availability of scientists and engineers .....54
		12.07	Utility patents* .....65

\* Hard data

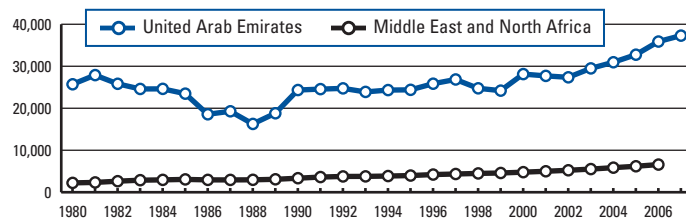
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# United Arab Emirates

## Key indicators

Total population (millions), 2007 .....	4.8
GDP (US\$ billions), 2007 .....	192.6
GDP per capita (US\$), 2007 .....	42,934.1
GDP (PPP) as share (%) of world total, 2007 .....	0.26

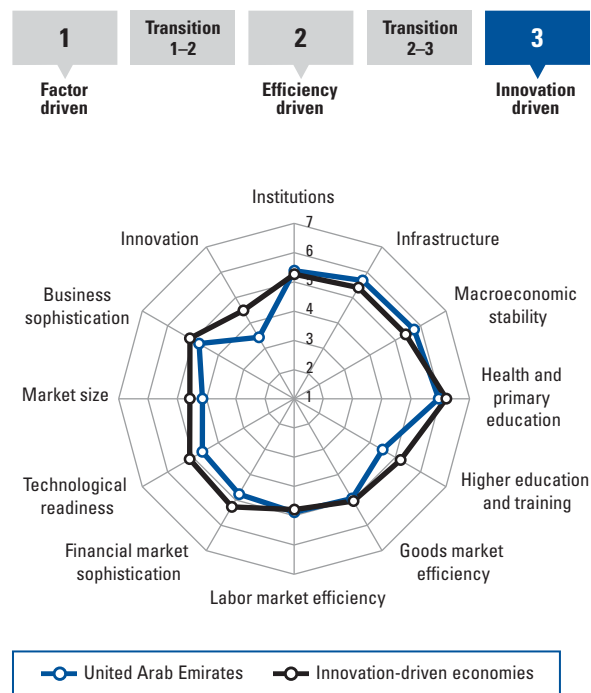
GDP (PPP US\$) per capita, 1980–2007



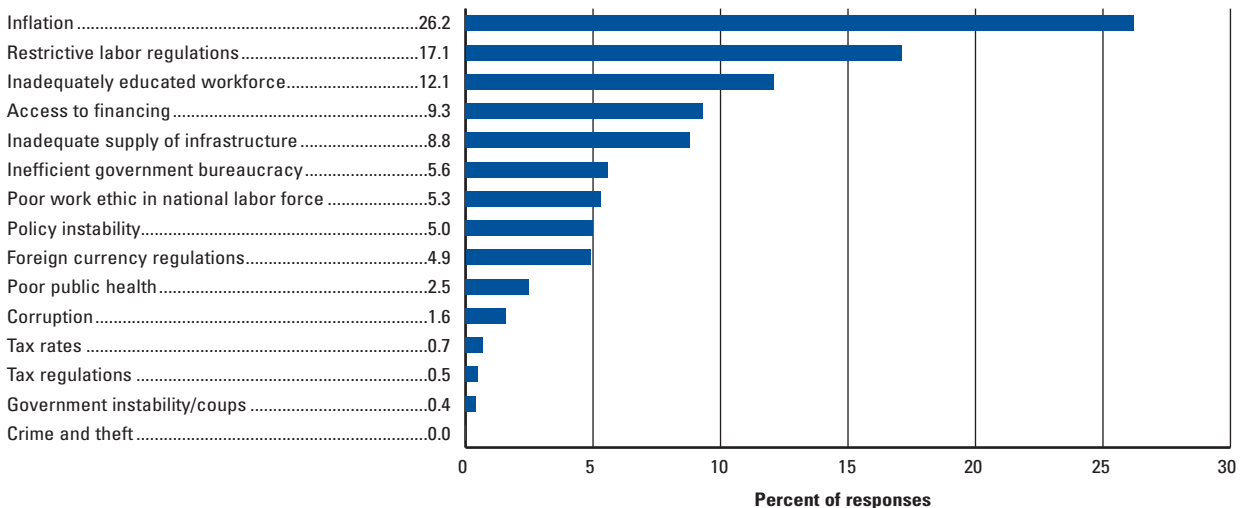
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>31</b>	<b>4.7</b>
GCI 2007–2008 (out of 131) .....	37	4.5
GCI 2006–2007 (out of 122) .....	37	4.5
<b>Basic requirements</b> .....	<b>17</b>	<b>5.7</b>
1st pillar: Institutions .....	18	5.4
2nd pillar: Infrastructure .....	14	5.7
3rd pillar: Macroeconomic stability .....	24	5.7
4th pillar: Health and primary education .....	36	5.9
<b>Efficiency enhancers</b> .....	<b>29</b>	<b>4.6</b>
5th pillar: Higher education and training .....	41	4.5
6th pillar: Goods market efficiency .....	25	4.9
7th pillar: Labor market efficiency .....	18	4.9
8th pillar: Financial market sophistication .....	41	4.8
9th pillar: Technological readiness .....	28	4.6
10th pillar: Market size .....	54	4.1
<b>Innovation and sophistication factors</b> .....	<b>38</b>	<b>4.1</b>
11th pillar: Business sophistication .....	30	4.8
12th pillar: Innovation .....	46	3.4

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	43 .....	6.01 Intensity of local competition .....	28 .....
1.02 Intellectual property protection .....	24 .....	6.02 Extent of market dominance .....	31 .....
1.03 Diversion of public funds .....	19 .....	6.03 Effectiveness of anti-monopoly policy .....	51 .....
1.04 Public trust of politicians .....	8 .....	6.04 Extent and effect of taxation .....	1 .....
1.05 Judicial independence .....	33 .....	6.05 Total tax rate* .....	1 .....
1.06 Favoritism in decisions of government officials .....	16 .....	6.06 No. of procedures required to start a business* .....	91 .....
1.07 Wastefulness of government spending .....	4 .....	6.07 Time required to start a business* .....	111 .....
1.08 Burden of government regulation .....	5 .....	6.08 Agricultural policy costs .....	9 .....
1.09 Efficiency of legal framework .....	26 .....	6.09 Prevalence of trade barriers .....	11 .....
1.10 Transparency of government policymaking .....	17 .....	6.10 Trade-weighted tariff rate* .....	58 .....
1.11 Business costs of terrorism .....	54 .....	6.11 Prevalence of foreign ownership .....	79 .....
1.12 Business costs of crime and violence .....	16 .....	6.12 Business impact of rules on FDI .....	49 .....
1.13 Organized crime .....	23 .....	6.13 Burden of customs procedures .....	6 .....
1.14 Reliability of police services .....	8 .....	6.14 Degree of customer orientation .....	29 .....
1.15 Ethical behavior of firms .....	18 .....	6.15 Buyer sophistication .....	34 .....
1.16 Strength of auditing and reporting standards .....	43 .....		
1.17 Efficacy of corporate boards .....	58 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	48 .....	7.01 Cooperation in labor-employer relations .....	18 .....
		7.02 Flexibility of wage determination .....	8 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	46 .....
2.01 Quality of overall infrastructure .....	11 .....	7.04 Rigidity of employment* .....	22 .....
2.02 Quality of roads .....	9 .....	7.05 Hiring and firing practices .....	17 .....
2.03 Quality of railroad infrastructure .....	65 .....	7.06 Firing costs* .....	99 .....
2.04 Quality of port infrastructure .....	8 .....	7.07 Pay and productivity .....	20 .....
2.05 Quality of air transport infrastructure .....	4 .....	7.08 Reliance on professional management .....	52 .....
2.06 Available seat kilometers* .....	14 .....	7.09 Brain drain .....	2 .....
2.07 Quality of electricity supply .....	17 .....	7.10 Female participation in labor force* .....	120 .....
2.08 Telephone lines* .....	46 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	32 .....
3.01 Government surplus/deficit* .....	3 .....	8.02 Financing through local equity market .....	23 .....
3.02 National savings rate* .....	14 .....	8.03 Ease of access to loans .....	7 .....
3.03 Inflation* .....	123 .....	8.04 Venture capital availability .....	17 .....
3.04 Interest rate spread* .....	16 .....	8.05 Restriction on capital flows .....	14 .....
3.05 Government debt* .....	14 .....	8.06 Strength of investor protection* .....	86 .....
		8.07 Soundness of banks .....	31 .....
		8.08 Regulation of securities exchanges .....	56 .....
		8.09 Legal rights index* .....	93 .....
		<b>9th pillar: Technological readiness</b>	
<b>4th pillar: Health and primary education</b>		9.01 Availability of latest technologies .....	17 .....
4.01 Business impact of malaria .....	53 .....	9.02 Firm-level technology absorption .....	14 .....
4.02 Malaria incidence* .....	89 .....	9.03 Laws relating to ICT .....	22 .....
4.03 Business impact of tuberculosis .....	50 .....	9.04 FDI and technology transfer .....	15 .....
4.04 Tuberculosis incidence* .....	34 .....	9.05 Mobile telephone subscribers* .....	8 .....
4.05 Business impact of HIV/AIDS .....	45 .....	9.06 Internet users* .....	37 .....
4.06 HIV prevalence* .....	50 .....	9.07 Personal computers* .....	33 .....
4.07 Infant mortality* .....	39 .....	9.08 Broadband Internet subscribers* .....	43 .....
4.08 Life expectancy* .....	29 .....		
4.09 Quality of primary education .....	39 .....	<b>10th pillar: Market size</b>	
4.10 Primary enrollment* .....	100 .....	10.01 Domestic market size* .....	55 .....
4.11 Education expenditure* .....	n/a	10.02 Foreign market size* .....	32 .....
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment* .....	56 .....	11.01 Local supplier quantity .....	31 .....
5.02 Tertiary enrollment* .....	79 .....	11.02 Local supplier quality .....	34 .....
5.03 Quality of the educational system .....	38 .....	11.03 State of cluster development .....	21 .....
5.04 Quality of math and science education .....	42 .....	11.04 Nature of competitive advantage .....	35 .....
5.05 Quality of management schools .....	46 .....	11.05 Value chain breadth .....	41 .....
5.06 Internet access in schools .....	27 .....	11.06 Control of international distribution .....	38 .....
5.07 Local availability of research and training services .....	44 .....	11.07 Production process sophistication .....	35 .....
5.08 Extent of staff training .....	37 .....	11.08 Extent of marketing .....	21 .....
		11.09 Willingness to delegate authority .....	41 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	74 .....
		12.02 Quality of scientific research institutions .....	74 .....
		12.03 Company spending on R&D .....	50 .....
		12.04 University-industry research collaboration .....	58 .....
		12.05 Gov't procurement of advanced tech products .....	11 .....
		12.06 Availability of scientists and engineers .....	75 .....
		12.07 Utility patents* .....	88 .....

\* Hard data

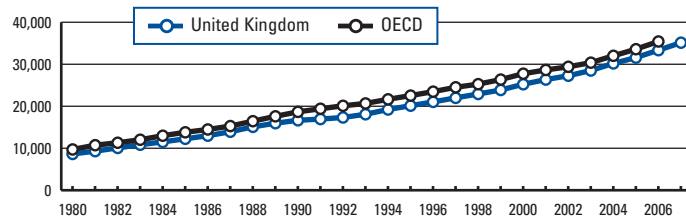
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# United Kingdom

## Key indicators

Total population (millions), 2007 .....	60.0
GDP (US\$ billions), 2007 .....	2,772.6
GDP per capita (US\$), 2007 .....	45,574.7
GDP (PPP) as share (%) of world total, 2007 .....	3.30

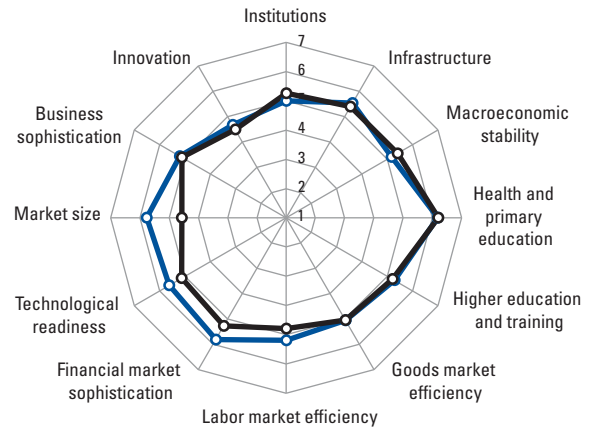
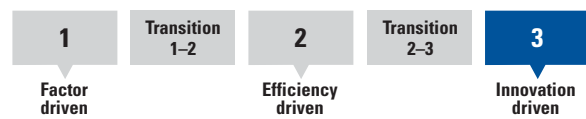
GDP (PPP US\$) per capita, 1980–2007



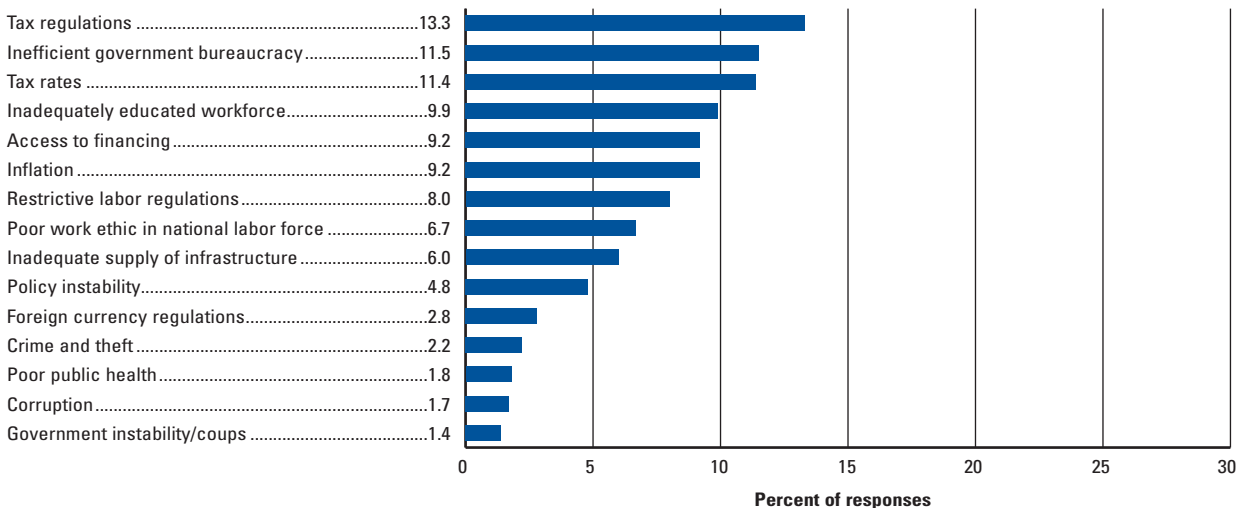
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>12</b>	<b>5.3</b>
GCI 2007–2008 (out of 131) .....	9	5.4
GCI 2006–2007 (out of 122) .....	2	5.6
<b>Basic requirements</b> .....	<b>24</b>	<b>5.5</b>
1st pillar: Institutions .....	25	5.0
2nd pillar: Infrastructure .....	18	5.5
3rd pillar: Macroeconomic stability .....	58	5.1
4th pillar: Health and primary education .....	19	6.2
<b>Efficiency enhancers</b> .....	<b>4</b>	<b>5.5</b>
5th pillar: Higher education and training .....	18	5.3
6th pillar: Goods market efficiency .....	19	5.1
7th pillar: Labor market efficiency .....	8	5.2
8th pillar: Financial market sophistication .....	5	5.8
9th pillar: Technological readiness .....	8	5.6
10th pillar: Market size .....	6	5.8
<b>Innovation and sophistication factors</b> .....	<b>17</b>	<b>4.9</b>
11th pillar: Business sophistication .....	17	5.2
12th pillar: Innovation .....	17	4.7

### Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	36 .....	6.01 Intensity of local competition .....	10 .....
1.02 Intellectual property protection .....	22 .....	6.02 Extent of market dominance .....	16 .....
1.03 Diversion of public funds .....	17 .....	6.03 Effectiveness of anti-monopoly policy .....	15 .....
1.04 Public trust of politicians .....	35 .....	6.04 Extent and effect of taxation .....	81 .....
1.05 Judicial independence .....	18 .....	6.05 Total tax rate* .....	38 .....
1.06 Favoritism in decisions of government officials .....	25 .....	6.06 No. of procedures required to start a business* .....	19 .....
1.07 Wastefulness of government spending .....	76 .....	6.07 Time required to start a business* .....	24 .....
1.08 Burden of government regulation .....	82 .....	6.08 Agricultural policy costs .....	74 .....
1.09 Efficiency of legal framework .....	18 .....	6.09 Prevalence of trade barriers .....	33 .....
1.10 Transparency of government policymaking .....	38 .....	6.10 Trade-weighted tariff rate* .....	5 .....
1.11 Business costs of terrorism .....	124 .....	6.11 Prevalence of foreign ownership .....	16 .....
1.12 Business costs of crime and violence .....	91 .....	6.12 Business impact of rules on FDI .....	15 .....
1.13 Organized crime .....	66 .....	6.13 Burden of customs procedures .....	35 .....
1.14 Reliability of police services .....	32 .....	6.14 Degree of customer orientation .....	31 .....
1.15 Ethical behavior of firms .....	17 .....	6.15 Buyer sophistication .....	22 .....
1.16 Strength of auditing and reporting standards .....	17 .....		
1.17 Efficacy of corporate boards .....	15 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	15 .....	7.01 Cooperation in labor-employer relations .....	35 .....
		7.02 Flexibility of wage determination .....	23 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	35 .....
2.01 Quality of overall infrastructure .....	24 .....	7.04 Rigidity of employment* .....	8 .....
2.02 Quality of roads .....	24 .....	7.05 Hiring and firing practices .....	61 .....
2.03 Quality of railroad infrastructure .....	20 .....	7.06 Firing costs* .....	35 .....
2.04 Quality of port infrastructure .....	30 .....	7.07 Pay and productivity .....	32 .....
2.05 Quality of air transport infrastructure .....	27 .....	7.08 Reliance on professional management .....	19 .....
2.06 Available seat kilometers* .....	3 .....	7.09 Brain drain .....	25 .....
2.07 Quality of electricity supply .....	18 .....	7.10 Female participation in labor force* .....	39 .....
2.08 Telephone lines* .....	8 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	9 .....
3.01 Government surplus/deficit* .....	105 .....	8.02 Financing through local equity market .....	15 .....
3.02 National savings rate* .....	106 .....	8.03 Ease of access to loans .....	9 .....
3.03 Inflation* .....	35 .....	8.04 Venture capital availability .....	7 .....
3.04 Interest rate spread* .....	6 .....	8.05 Restriction on capital flows .....	32 .....
3.05 Government debt* .....	77 .....	8.06 Strength of investor protection* .....	9 .....
		8.07 Soundness of banks .....	44 .....
		8.08 Regulation of securities exchanges .....	27 .....
		8.09 Legal rights index* .....	1 .....
<b>4th pillar: Health and primary education</b>			
4.01 Business impact of malaria .....	35 .....	<b>9th pillar: Technological readiness</b>	
4.02 Malaria incidence* .....	1 .....	9.01 Availability of latest technologies .....	10 .....
4.03 Business impact of tuberculosis .....	46 .....	9.02 Firm-level technology absorption .....	20 .....
4.04 Tuberculosis incidence* .....	31 .....	9.03 Laws relating to ICT .....	17 .....
4.05 Business impact of HIV/AIDS .....	63 .....	9.04 FDI and technology transfer .....	21 .....
4.06 HIV prevalence* .....	50 .....	9.05 Mobile telephone subscribers* .....	10 .....
4.07 Infant mortality* .....	26 .....	9.06 Internet users* .....	14 .....
4.08 Life expectancy* .....	22 .....	9.07 Personal computers* .....	5 .....
4.09 Quality of primary education .....	28 .....	9.08 Broadband Internet subscribers* .....	12 .....
4.10 Primary enrollment* .....	16 .....		
4.11 Education expenditure* .....	30 .....	<b>10th pillar: Market size</b>	
		10.01 Domestic market size* .....	6 .....
		10.02 Foreign market size* .....	8 .....
<b>5th pillar: Higher education and training</b>			
5.01 Secondary enrollment* .....	34 .....	<b>11th pillar: Business sophistication</b>	
5.02 Tertiary enrollment* .....	26 .....	11.01 Local supplier quantity .....	41 .....
5.03 Quality of the educational system .....	28 .....	11.02 Local supplier quality .....	23 .....
5.04 Quality of math and science education .....	47 .....	11.03 State of cluster development .....	15 .....
5.05 Quality of management schools .....	18 .....	11.04 Nature of competitive advantage .....	15 .....
5.06 Internet access in schools .....	15 .....	11.05 Value chain breadth .....	15 .....
5.07 Local availability of research and training services .....	9 .....	11.06 Control of international distribution .....	13 .....
5.08 Extent of staff training .....	22 .....	11.07 Production process sophistication .....	20 .....
		11.08 Extent of marketing .....	3 .....
		11.09 Willingness to delegate authority .....	16 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	14 .....
		12.02 Quality of scientific research institutions .....	7 .....
		12.03 Company spending on R&D .....	12 .....
		12.04 University-industry research collaboration .....	9 .....
		12.05 Gov't procurement of advanced tech products .....	32 .....
		12.06 Availability of scientists and engineers .....	32 .....
		12.07 Utility patents* .....	18 .....

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

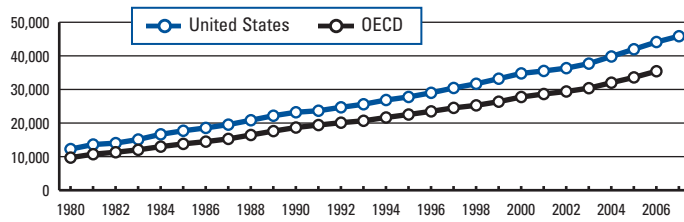


# United States

## Key indicators

Total population (millions), 2007 .....	303.9
GDP (US\$ billions), 2007 .....	13,843.8
GDP per capita (US\$), 2007 .....	45,845.5
GDP (PPP) as share (%) of world total, 2007 .....	21.36

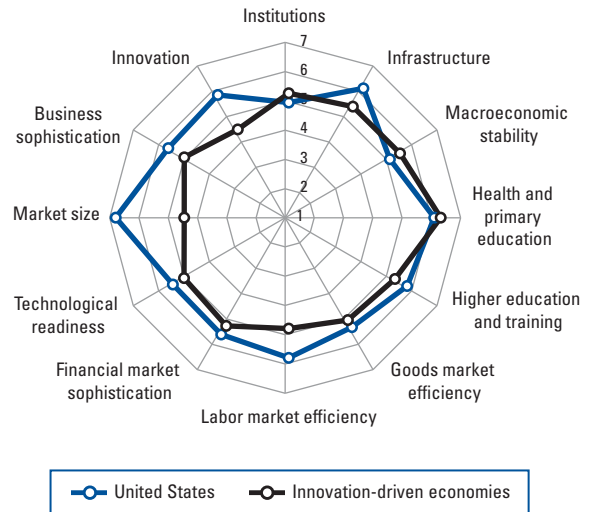
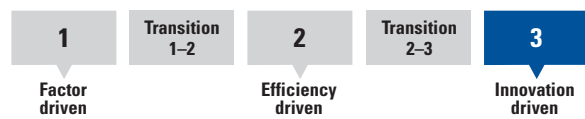
GDP (PPP US\$) per capita, 1980–2007



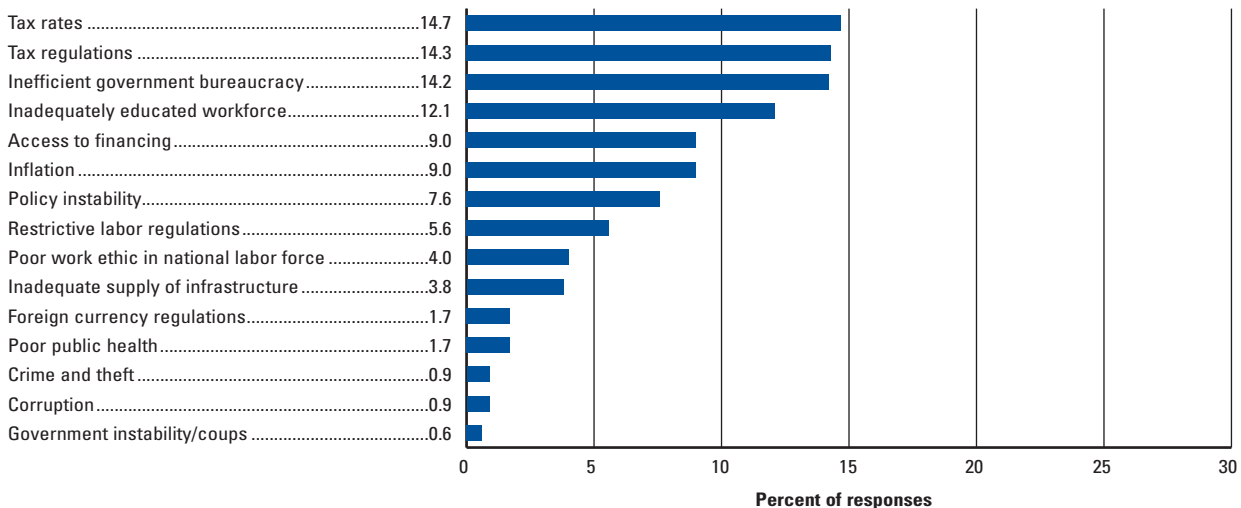
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>1</b>	<b>5.7</b>
GCI 2007–2008 (out of 131) .....	1	5.7
GCI 2006–2007 (out of 122) .....	1	5.8
<b>Basic requirements</b> .....	<b>22</b>	<b>5.5</b>
1st pillar: Institutions .....	29	4.9
2nd pillar: Infrastructure .....	7	6.1
3rd pillar: Macroeconomic stability .....	66	5.0
4th pillar: Health and primary education .....	34	6.0
<b>Efficiency enhancers</b> .....	<b>1</b>	<b>5.8</b>
5th pillar: Higher education and training .....	5	5.7
6th pillar: Goods market efficiency .....	8	5.3
7th pillar: Labor market efficiency .....	1	5.8
8th pillar: Financial market sophistication .....	9	5.6
9th pillar: Technological readiness .....	11	5.6
10th pillar: Market size .....	1	6.9
<b>Innovation and sophistication factors</b> .....	<b>1</b>	<b>5.8</b>
11th pillar: Business sophistication .....	4	5.8
12th pillar: Innovation .....	1	5.8

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	26
1.02 Intellectual property protection	18
1.03 Diversion of public funds	22
1.04 Public trust of politicians	41
1.05 Judicial independence	23
1.06 Favoritism in decisions of government officials	40
1.07 Wastefulness of government spending	67
1.08 Burden of government regulation	50
1.09 Efficiency of legal framework	28
1.10 Transparency of government policymaking	28
1.11 Business costs of terrorism	127
1.12 Business costs of crime and violence	83
1.13 Organized crime	72
1.14 Reliability of police services	18
1.15 Ethical behavior of firms	22
1.16 Strength of auditing and reporting standards	20
1.17 Efficacy of corporate boards	12
1.18 Protection of minority shareholders' interests	14
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	9
2.02 Quality of roads	8
2.03 Quality of railroad infrastructure	16
2.04 Quality of port infrastructure	11
2.05 Quality of air transport infrastructure	12
2.06 Available seat kilometers*	1
2.07 Quality of electricity supply	16
2.08 Telephone lines*	10
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	97
3.02 National savings rate*	107
3.03 Inflation*	45
3.04 Interest rate spread*	17
3.05 Government debt*	102
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	42
4.02 Malaria incidence*	1
4.03 Business impact of tuberculosis	39
4.04 Tuberculosis incidence*	1
4.05 Business impact of HIV/AIDS	76
4.06 HIV prevalence*	86
4.07 Infant mortality*	36
4.08 Life expectancy*	29
4.09 Quality of primary education	25
4.10 Primary enrollment*	74
4.11 Education expenditure*	45
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	48
5.02 Tertiary enrollment*	6
5.03 Quality of the educational system	19
5.04 Quality of math and science education	48
5.05 Quality of management schools	3
5.06 Internet access in schools	11
5.07 Local availability of research and training services	1
5.08 Extent of staff training	6

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	4
6.02 Extent of market dominance	6
6.03 Effectiveness of anti-monopoly policy	8
6.04 Extent and effect of taxation	56
6.05 Total tax rate*	74
6.06 No. of procedures required to start a business*	19
6.07 Time required to start a business*	6
6.08 Agricultural policy costs	69
6.09 Prevalence of trade barriers	37
6.10 Trade-weighted tariff rate*	33
6.11 Prevalence of foreign ownership	47
6.12 Business impact of rules on FDI	53
6.13 Burden of customs procedures	39
6.14 Degree of customer orientation	5
6.15 Buyer sophistication	5
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	16
7.02 Flexibility of wage determination	10
7.03 Non-wage labor costs*	26
7.04 Rigidity of employment*	1
7.05 Hiring and firing practices	6
7.06 Firing costs*	1
7.07 Pay and productivity	7
7.08 Reliance on professional management	10
7.09 Brain drain	1
7.10 Female participation in labor force*	29
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	3
8.02 Financing through local equity market	6
8.03 Ease of access to loans	12
8.04 Venture capital availability	1
8.05 Restriction on capital flows	42
8.06 Strength of investor protection*	5
8.07 Soundness of banks	40
8.08 Regulation of securities exchanges	20
8.09 Legal rights index*	16
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	5
9.02 Firm-level technology absorption	3
9.03 Laws relating to ICT	9
9.04 FDI and technology transfer	23
9.05 Mobile telephone subscribers*	51
9.06 Internet users*	9
9.07 Personal computers*	6
9.08 Broadband Internet subscribers*	18
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	1
10.02 Foreign market size*	2
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	6
11.02 Local supplier quality	7
11.03 State of cluster development	2
11.04 Nature of competitive advantage	12
11.05 Value chain breadth	8
11.06 Control of international distribution	4
11.07 Production process sophistication	11
11.08 Extent of marketing	1
11.09 Willingness to delegate authority	6
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	6
12.02 Quality of scientific research institutions	1
12.03 Company spending on R&D	3
12.04 University-industry research collaboration	1
12.05 Gov't procurement of advanced tech products	4
12.06 Availability of scientists and engineers	6
12.07 Utility patents*	2

\* Hard data

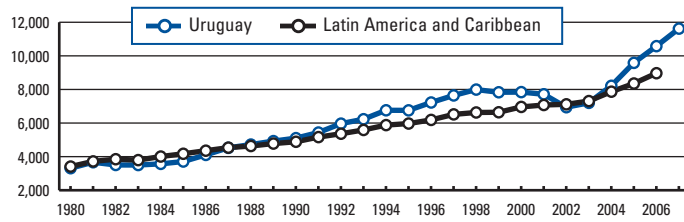
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Uruguay

## Key indicators

Total population (millions), 2007 .....	3.5
GDP (US\$ billions), 2007 .....	23.0
GDP per capita (US\$), 2007 .....	7,172.2
GDP (PPP) as share (%) of world total, 2007 .....	0.06

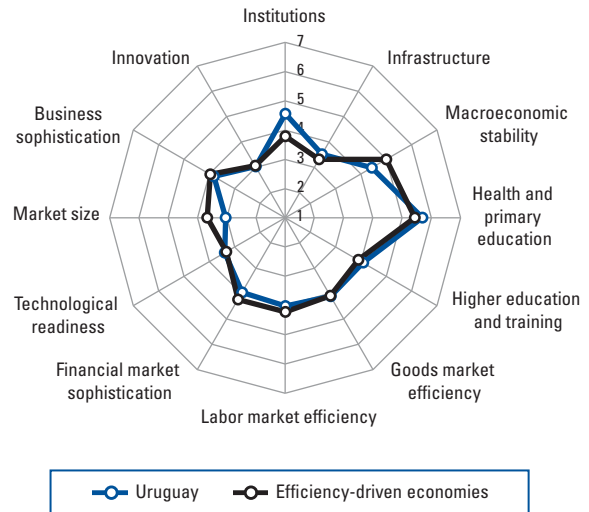
GDP (PPP US\$) per capita, 1980–2007



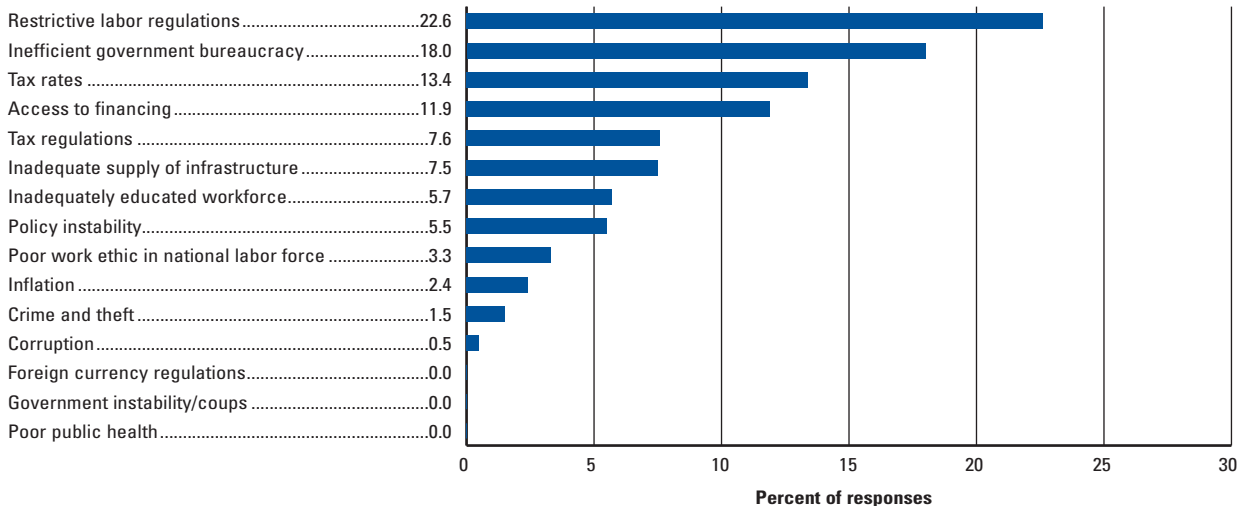
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>75</b>	<b>4.0</b>
GCI 2007–2008 (out of 131) .....	75	4.0
GCI 2006–2007 (out of 122) .....	79	3.9
<b>Basic requirements</b> .....	<b>57</b>	<b>4.5</b>
1st pillar: Institutions .....	45	4.6
2nd pillar: Infrastructure .....	69	3.5
3rd pillar: Macroeconomic stability .....	104	4.4
4th pillar: Health and primary education .....	54	5.7
<b>Efficiency enhancers</b> .....	<b>83</b>	<b>3.8</b>
5th pillar: Higher education and training .....	62	4.1
6th pillar: Goods market efficiency .....	79	4.1
7th pillar: Labor market efficiency .....	106	4.0
8th pillar: Financial market sophistication .....	88	4.0
9th pillar: Technological readiness .....	64	3.4
10th pillar: Market size .....	91	3.0
<b>Innovation and sophistication factors</b> .....	<b>82</b>	<b>3.4</b>
11th pillar: Business sophistication .....	85	3.8
12th pillar: Innovation .....	77	3.0

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	58 .....	6.01 Intensity of local competition .....	115 .....
1.02 Intellectual property protection .....	50 .....	6.02 Extent of market dominance .....	54 .....
1.03 Diversion of public funds .....	26 .....	6.03 Effectiveness of anti-monopoly policy .....	97 .....
1.04 Public trust of politicians .....	28 .....	6.04 Extent and effect of taxation .....	119 .....
1.05 Judicial independence .....	37 .....	6.05 Total tax rate* .....	58 .....
1.06 Favoritism in decisions of government officials .....	30 .....	6.06 No. of procedures required to start a business* .....	91 .....
1.07 Wastefulness of government spending .....	102 .....	6.07 Time required to start a business* .....	99 .....
1.08 Burden of government regulation .....	69 .....	6.08 Agricultural policy costs .....	20 .....
1.09 Efficiency of legal framework .....	51 .....	6.09 Prevalence of trade barriers .....	68 .....
1.10 Transparency of government policymaking .....	69 .....	6.10 Trade-weighted tariff rate* .....	76 .....
1.11 Business costs of terrorism .....	4 .....	6.11 Prevalence of foreign ownership .....	39 .....
1.12 Business costs of crime and violence .....	72 .....	6.12 Business impact of rules on FDI .....	52 .....
1.13 Organized crime .....	15 .....	6.13 Burden of customs procedures .....	66 .....
1.14 Reliability of police services .....	90 .....	6.14 Degree of customer orientation .....	88 .....
1.15 Ethical behavior of firms .....	31 .....	6.15 Buyer sophistication .....	64 .....
1.16 Strength of auditing and reporting standards .....	77 .....		
1.17 Efficacy of corporate boards .....	104 .....	<b>7th pillar: Labor market efficiency</b>	
1.18 Protection of minority shareholders' interests .....	74 .....	7.01 Cooperation in labor-employer relations .....	128 .....
		7.02 Flexibility of wage determination .....	134 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	20 .....
2.01 Quality of overall infrastructure .....	66 .....	7.04 Rigidity of employment* .....	51 .....
2.02 Quality of roads .....	49 .....	7.05 Hiring and firing practices .....	115 .....
2.03 Quality of railroad infrastructure .....	101 .....	7.06 Firing costs* .....	53 .....
2.04 Quality of port infrastructure .....	50 .....	7.07 Pay and productivity .....	124 .....
2.05 Quality of air transport infrastructure .....	116 .....	7.08 Reliance on professional management .....	94 .....
2.06 Available seat kilometers* .....	94 .....	7.09 Brain drain .....	86 .....
2.07 Quality of electricity supply .....	44 .....	7.10 Female participation in labor force* .....	61 .....
2.08 Telephone lines* .....	44 .....		
		<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	96 .....
3.01 Government surplus/deficit* .....	68 .....	8.02 Financing through local equity market .....	129 .....
3.02 National savings rate* .....	101 .....	8.03 Ease of access to loans .....	114 .....
3.03 Inflation* .....	101 .....	8.04 Venture capital availability .....	107 .....
3.04 Interest rate spread* .....	83 .....	8.05 Restriction on capital flows .....	5 .....
3.05 Government debt* .....	108 .....	8.06 Strength of investor protection* .....	67 .....
		8.07 Soundness of banks .....	100 .....
		8.08 Regulation of securities exchanges .....	86 .....
		8.09 Legal rights index* .....	52 .....
<b>4th pillar: Health and primary education</b>		<b>9th pillar: Technological readiness</b>	
4.01 Business impact of malaria .....	13 .....	9.01 Availability of latest technologies .....	77 .....
4.02 Malaria incidence* .....	1 .....	9.02 Firm-level technology absorption .....	103 .....
4.03 Business impact of tuberculosis .....	15 .....	9.03 Laws relating to ICT .....	77 .....
4.04 Tuberculosis incidence* .....	47 .....	9.04 FDI and technology transfer .....	51 .....
4.05 Business impact of HIV/AIDS .....	33 .....	9.05 Mobile telephone subscribers* .....	66 .....
4.06 HIV prevalence* .....	86 .....	9.06 Internet users* .....	53 .....
4.07 Infant mortality* .....	56 .....	9.07 Personal computers* .....	56 .....
4.08 Life expectancy* .....	42 .....	9.08 Broadband Internet subscribers* .....	53 .....
4.09 Quality of primary education .....	69 .....		
4.10 Primary enrollment* .....	3 .....	<b>10th pillar: Market size</b>	
4.11 Education expenditure* .....	106 .....	10.01 Domestic market size* .....	87 .....
		10.02 Foreign market size* .....	94 .....
<b>5th pillar: Higher education and training</b>		<b>11th pillar: Business sophistication</b>	
5.01 Secondary enrollment* .....	24 .....	11.01 Local supplier quantity .....	100 .....
5.02 Tertiary enrollment* .....	42 .....	11.02 Local supplier quality .....	81 .....
5.03 Quality of the educational system .....	62 .....	11.03 State of cluster development .....	100 .....
5.04 Quality of math and science education .....	91 .....	11.04 Nature of competitive advantage .....	103 .....
5.05 Quality of management schools .....	54 .....	11.05 Value chain breadth .....	85 .....
5.06 Internet access in schools .....	66 .....	11.06 Control of international distribution .....	82 .....
5.07 Local availability of research and training services .....	77 .....	11.07 Production process sophistication .....	74 .....
5.08 Extent of staff training .....	98 .....	11.08 Extent of marketing .....	68 .....
		11.09 Willingness to delegate authority .....	62 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	76 .....
		12.02 Quality of scientific research institutions .....	91 .....
		12.03 Company spending on R&D .....	87 .....
		12.04 University-industry research collaboration .....	88 .....
		12.05 Gov't procurement of advanced tech products .....	78 .....
		12.06 Availability of scientists and engineers .....	86 .....
		12.07 Utility patents* .....	47 .....

\* Hard data

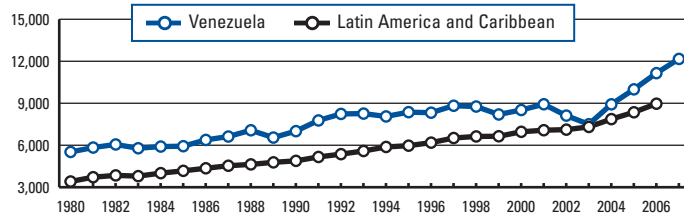
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Venezuela

## Key indicators

Total population (millions), 2007 .....	27.7
GDP (US\$ billions), 2007 .....	236.4
GDP per capita (US\$), 2007 .....	8,596.0
GDP (PPP) as share (%) of world total, 2007 .....	0.51

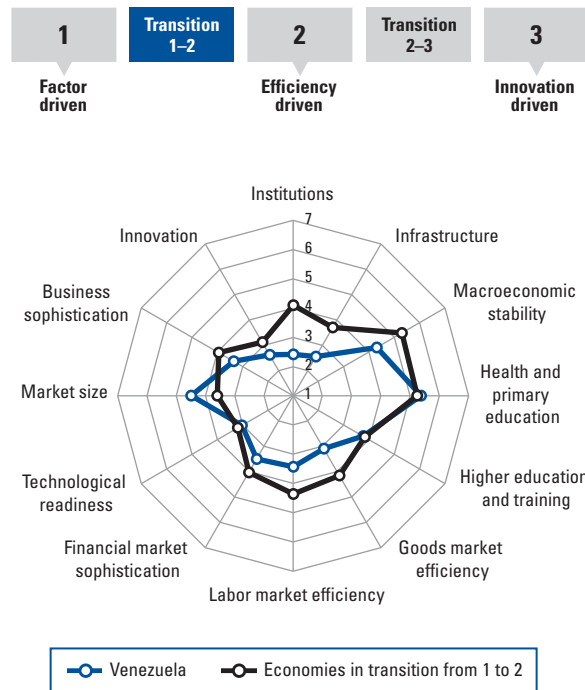
GDP (PPP US\$) per capita, 1980–2007



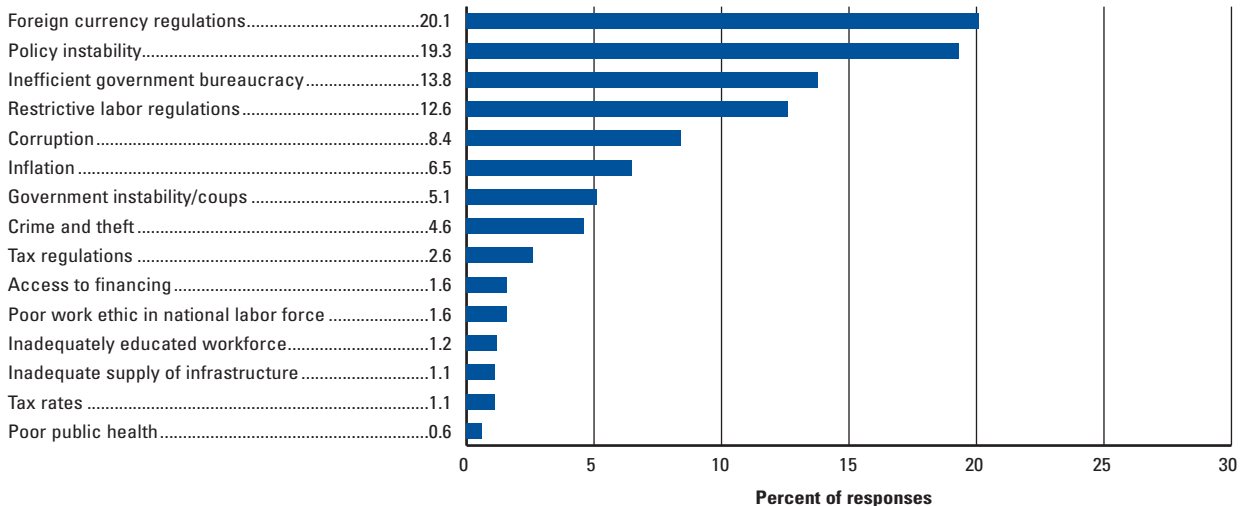
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>105</b>	<b>3.6</b>
GCI 2007–2008 (out of 131) .....	98	3.6
GCI 2006–2007 (out of 122) .....	85	3.8
<b>Basic requirements</b> .....	<b>111</b>	<b>3.6</b>
1st pillar: Institutions .....	134	2.4
2nd pillar: Infrastructure .....	109	2.5
3rd pillar: Macroeconomic stability .....	110	4.3
4th pillar: Health and primary education .....	74	5.4
<b>Efficiency enhancers</b> .....	<b>94</b>	<b>3.6</b>
5th pillar: Higher education and training .....	79	3.8
6th pillar: Goods market efficiency .....	132	3.1
7th pillar: Labor market efficiency .....	131	3.4
8th pillar: Financial market sophistication .....	116	3.5
9th pillar: Technological readiness .....	86	3.0
10th pillar: Market size .....	36	4.5
<b>Innovation and sophistication factors</b> .....	<b>116</b>	<b>3.0</b>
11th pillar: Business sophistication .....	115	3.3
12th pillar: Innovation .....	115	2.6

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage ■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights .....	133 ■
1.02 Intellectual property protection .....	133 ■
1.03 Diversion of public funds .....	131 ■
1.04 Public trust of politicians .....	133 ■
1.05 Judicial independence .....	134 ■
1.06 Favoritism in decisions of government officials .....	133 ■
1.07 Wastefulness of government spending .....	134 ■
1.08 Burden of government regulation .....	134 ■
1.09 Efficiency of legal framework .....	134 ■
1.10 Transparency of government policymaking .....	134 ■
1.11 Business costs of terrorism .....	103 ■
1.12 Business costs of crime and violence .....	127 ■
1.13 Organized crime .....	125 ■
1.14 Reliability of police services .....	134 ■
1.15 Ethical behavior of firms .....	127 ■
1.16 Strength of auditing and reporting standards .....	110 ■
1.17 Efficacy of corporate boards .....	111 ■
1.18 Protection of minority shareholders' interests .....	115 ■
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure .....	108 ■
2.02 Quality of roads .....	86 ■
2.03 Quality of railroad infrastructure .....	105 ■
2.04 Quality of port infrastructure .....	126 ■
2.05 Quality of air transport infrastructure .....	108 ■
2.06 Available seat kilometers* .....	52 ■
2.07 Quality of electricity supply .....	100 ■
2.08 Telephone lines* .....	74 ■
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit* .....	79 ■
3.02 National savings rate* .....	32 ■
3.03 Inflation* .....	132 ■
3.04 Interest rate spread* .....	80 ■
3.05 Government debt* .....	43 ■
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria .....	104 ■
4.02 Malaria incidence* .....	97 ■
4.03 Business impact of tuberculosis .....	90 ■
4.04 Tuberculosis incidence* .....	59 ■
4.05 Business impact of HIV/AIDS .....	96 ■
4.06 HIV prevalence* .....	92 ■
4.07 Infant mortality* .....	70 ■
4.08 Life expectancy* .....	50 ■
4.09 Quality of primary education .....	102 ■
4.10 Primary enrollment* .....	80 ■
4.11 Education expenditure* .....	63 ■
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment* .....	87 ■
5.02 Tertiary enrollment* .....	35 ■
5.03 Quality of the educational system .....	111 ■
5.04 Quality of math and science education .....	114 ■
5.05 Quality of management schools .....	60 ■
5.06 Internet access in schools .....	85 ■
5.07 Local availability of research and training services .....	100 ■
5.08 Extent of staff training .....	94 ■

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition .....	131 ■
6.02 Extent of market dominance .....	109 ■
6.03 Effectiveness of anti-monopoly policy .....	102 ■
6.04 Extent and effect of taxation .....	106 ■
6.05 Total tax rate* .....	102 ■
6.06 No. of procedures required to start a business* .....	124 ■
6.07 Time required to start a business* .....	126 ■
6.08 Agricultural policy costs .....	133 ■
6.09 Prevalence of trade barriers .....	131 ■
6.10 Trade-weighted tariff rate* .....	127 ■
6.11 Prevalence of foreign ownership .....	131 ■
6.12 Business impact of rules on FDI .....	133 ■
6.13 Burden of customs procedures .....	133 ■
6.14 Degree of customer orientation .....	121 ■
6.15 Buyer sophistication .....	85 ■
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations .....	134 ■
7.02 Flexibility of wage determination .....	117 ■
7.03 Non-wage labor costs* .....	65 ■
7.04 Rigidity of employment* .....	127 ■
7.05 Hiring and firing practices .....	133 ■
7.06 Firing costs* .....	127 ■
7.07 Pay and productivity .....	122 ■
7.08 Reliance on professional management .....	73 ■
7.09 Brain drain .....	114 ■
7.10 Female participation in labor force* .....	74 ■
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication .....	80 ■
8.02 Financing through local equity market .....	97 ■
8.03 Ease of access to loans .....	87 ■
8.04 Venture capital availability .....	89 ■
8.05 Restriction on capital flows .....	133 ■
8.06 Strength of investor protection* .....	123 ■
8.07 Soundness of banks .....	99 ■
8.08 Regulation of securities exchanges .....	93 ■
8.09 Legal rights index* .....	72 ■
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies .....	97 ■
9.02 Firm-level technology absorption .....	96 ■
9.03 Laws relating to ICT .....	96 ■
9.04 FDI and technology transfer .....	120 ■
9.05 Mobile telephone subscribers* .....	64 ■
9.06 Internet users* .....	74 ■
9.07 Personal computers* .....	65 ■
9.08 Broadband Internet subscribers* .....	60 ■
<b>10th pillar: Market size</b>	
10.01 Domestic market size* .....	31 ■
10.02 Foreign market size* .....	45 ■
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity .....	120 ■
11.02 Local supplier quality .....	114 ■
11.03 State of cluster development .....	129 ■
11.04 Nature of competitive advantage .....	122 ■
11.05 Value chain breadth .....	129 ■
11.06 Control of international distribution .....	109 ■
11.07 Production process sophistication .....	100 ■
11.08 Extent of marketing .....	75 ■
11.09 Willingness to delegate authority .....	89 ■
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation .....	113 ■
12.02 Quality of scientific research institutions .....	106 ■
12.03 Company spending on R&D .....	106 ■
12.04 University-industry research collaboration .....	93 ■
12.05 Gov't procurement of advanced tech products .....	124 ■
12.06 Availability of scientists and engineers .....	102 ■
12.07 Utility patents* .....	60 ■

\* Hard data

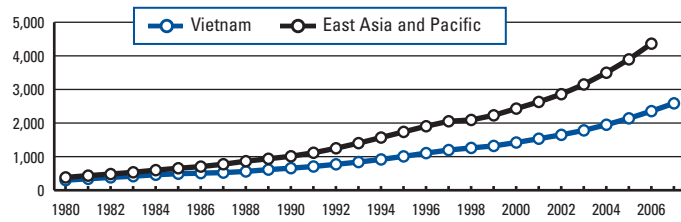
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Vietnam

## Key indicators

Total population (millions), 2007 .....	86.4
GDP (US\$ billions), 2007 .....	70.0
GDP per capita (US\$), 2007 .....	818.1
GDP (PPP) as share (%) of world total, 2007 .....	0.34

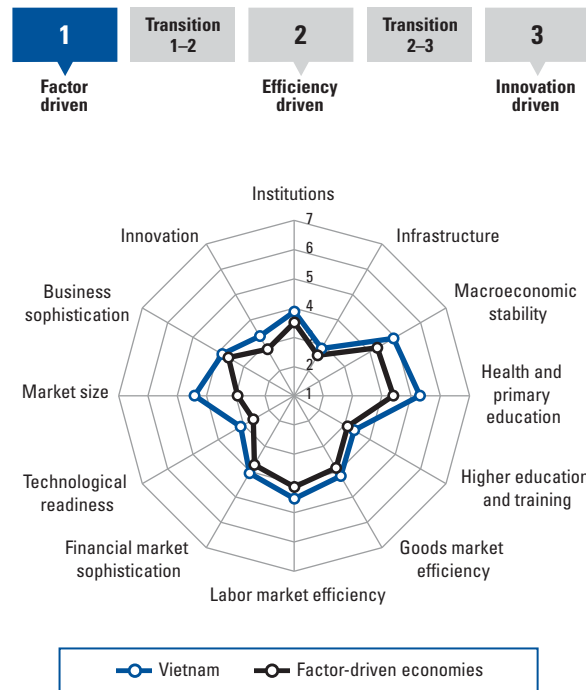
GDP (PPP US\$) per capita, 1980–2007



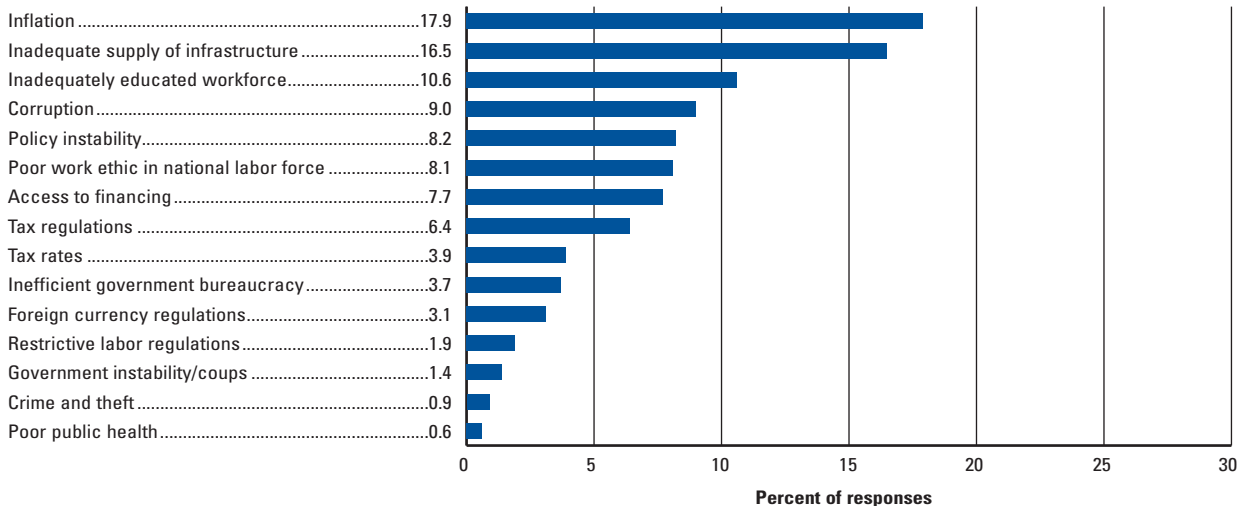
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>70</b>	<b>4.1</b>
GCI 2007–2008 (out of 131) .....	68	4.0
GCI 2006–2007 (out of 122) .....	64	4.1
<b>Basic requirements</b> .....	<b>79</b>	<b>4.2</b>
1st pillar: Institutions .....	71	3.9
2nd pillar: Infrastructure .....	93	2.9
3rd pillar: Macroeconomic stability .....	70	4.9
4th pillar: Health and primary education .....	84	5.3
<b>Efficiency enhancers</b> .....	<b>73</b>	<b>3.9</b>
5th pillar: Higher education and training .....	98	3.4
6th pillar: Goods market efficiency .....	70	4.2
7th pillar: Labor market efficiency .....	47	4.5
8th pillar: Financial market sophistication .....	80	4.1
9th pillar: Technological readiness .....	79	3.1
10th pillar: Market size .....	40	4.4
<b>Innovation and sophistication factors</b> .....	<b>71</b>	<b>3.6</b>
11th pillar: Business sophistication .....	84	3.8
12th pillar: Innovation .....	57	3.3

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134
<b>1st pillar: Institutions</b>	
1.01 Property rights	75
1.02 Intellectual property protection	94
1.03 Diversion of public funds	84
1.04 Public trust of politicians	48
1.05 Judicial independence	75
1.06 Favoritism in decisions of government officials	70
1.07 Wastefulness of government spending	83
1.08 Burden of government regulation	105
1.09 Efficiency of legal framework	56
1.10 Transparency of government policymaking	58
1.11 Business costs of terrorism	99
1.12 Business costs of crime and violence	58
1.13 Organized crime	85
1.14 Reliability of police services	49
1.15 Ethical behavior of firms	73
1.16 Strength of auditing and reporting standards	106
1.17 Efficacy of corporate boards	85
1.18 Protection of minority shareholders' interests	75
<b>2nd pillar: Infrastructure</b>	
2.01 Quality of overall infrastructure	97
2.02 Quality of roads	102
2.03 Quality of railroad infrastructure	66
2.04 Quality of port infrastructure	112
2.05 Quality of air transport infrastructure	92
2.06 Available seat kilometers*	42
2.07 Quality of electricity supply	104
2.08 Telephone lines*	37
<b>3rd pillar: Macroeconomic stability</b>	
3.01 Government surplus/deficit*	86
3.02 National savings rate*	28
3.03 Inflation*	103
3.04 Interest rate spread*	39
3.05 Government debt*	76
<b>4th pillar: Health and primary education</b>	
4.01 Business impact of malaria	79
4.02 Malaria incidence*	90
4.03 Business impact of tuberculosis	88
4.04 Tuberculosis incidence*	100
4.05 Business impact of HIV/AIDS	75
4.06 HIV prevalence*	79
4.07 Infant mortality*	64
4.08 Life expectancy*	66
4.09 Quality of primary education	96
4.10 Primary enrollment*	55
4.11 Education expenditure*	100
<b>5th pillar: Higher education and training</b>	
5.01 Secondary enrollment*	100
5.02 Tertiary enrollment*	106
5.03 Quality of the educational system	120
5.04 Quality of math and science education	72
5.05 Quality of management schools	120
5.06 Internet access in schools	62
5.07 Local availability of research and training services	76
5.08 Extent of staff training	72

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

INDICATOR	RANK/134
<b>6th pillar: Goods market efficiency</b>	
6.01 Intensity of local competition	56
6.02 Extent of market dominance	44
6.03 Effectiveness of anti-monopoly policy	91
6.04 Extent and effect of taxation	53
6.05 Total tax rate*	61
6.06 No. of procedures required to start a business*	91
6.07 Time required to start a business*	105
6.08 Agricultural policy costs	39
6.09 Prevalence of trade barriers	110
6.10 Trade-weighted tariff rate*	126
6.11 Prevalence of foreign ownership	104
6.12 Business impact of rules on FDI	38
6.13 Burden of customs procedures	91
6.14 Degree of customer orientation	91
6.15 Buyer sophistication	47
<b>7th pillar: Labor market efficiency</b>	
7.01 Cooperation in labor-employer relations	91
7.02 Flexibility of wage determination	101
7.03 Non-wage labor costs*	69
7.04 Rigidity of employment*	40
7.05 Hiring and firing practices	40
7.06 Firing costs*	103
7.07 Pay and productivity	17
7.08 Reliance on professional management	95
7.09 Brain drain	88
7.10 Female participation in labor force*	10
<b>8th pillar: Financial market sophistication</b>	
8.01 Financial market sophistication	106
8.02 Financing through local equity market	5
8.03 Ease of access to loans	91
8.04 Venture capital availability	59
8.05 Restriction on capital flows	84
8.06 Strength of investor protection*	123
8.07 Soundness of banks	113
8.08 Regulation of securities exchanges	81
8.09 Legal rights index*	29
<b>9th pillar: Technological readiness</b>	
9.01 Availability of latest technologies	71
9.02 Firm-level technology absorption	54
9.03 Laws relating to ICT	72
9.04 FDI and technology transfer	57
9.05 Mobile telephone subscribers*	114
9.06 Internet users*	70
9.07 Personal computers*	63
9.08 Broadband Internet subscribers*	79
<b>10th pillar: Market size</b>	
10.01 Domestic market size*	42
10.02 Foreign market size*	29
<b>11th pillar: Business sophistication</b>	
11.01 Local supplier quantity	79
11.02 Local supplier quality	97
11.03 State of cluster development	25
11.04 Nature of competitive advantage	126
11.05 Value chain breadth	91
11.06 Control of international distribution	119
11.07 Production process sophistication	94
11.08 Extent of marketing	98
11.09 Willingness to delegate authority	96
<b>12th pillar: Innovation</b>	
12.01 Capacity for innovation	41
12.02 Quality of scientific research institutions	85
12.03 Company spending on R&D	42
12.04 University-industry research collaboration	70
12.05 Gov't procurement of advanced tech products	21
12.06 Availability of scientists and engineers	51
12.07 Utility patents*	88

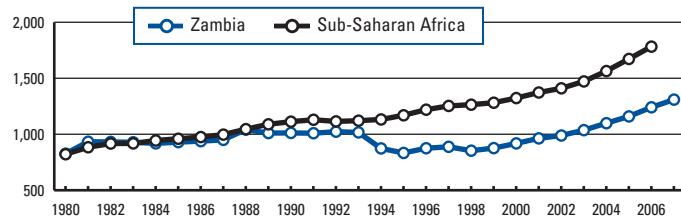


# Zambia

## Key indicators

Total population (millions), 2007 .....	12.1
GDP (US\$ billions), 2007 .....	11.2
GDP per capita (US\$), 2007 .....	917.6
GDP (PPP) as share (%) of world total, 2007 .....	0.03

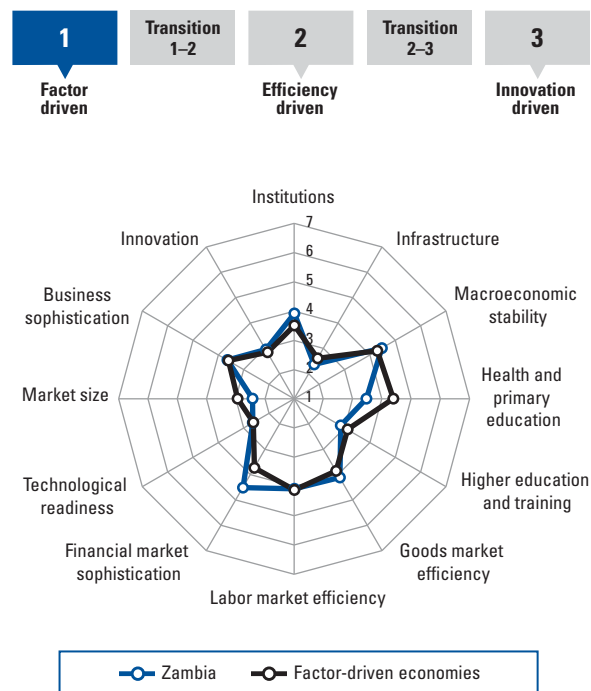
GDP (PPP US\$) per capita, 1980–2007



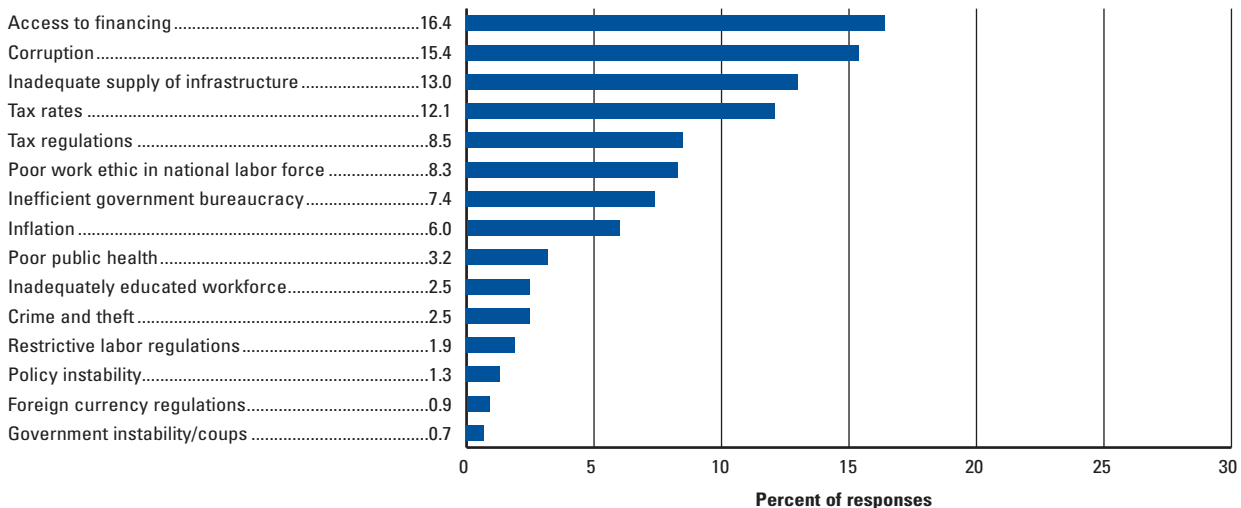
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>112</b>	<b>3.5</b>
GCI 2007–2008 (out of 131) .....	122	3.3
GCI 2006–2007 (out of 122) .....	118	3.2
<b>Basic requirements</b> .....	<b>121</b>	<b>3.5</b>
1st pillar: Institutions .....	67	3.9
2nd pillar: Infrastructure .....	116	2.4
3rd pillar: Macroeconomic stability .....	102	4.5
4th pillar: Health and primary education .....	128	3.5
<b>Efficiency enhancers</b> .....	<b>100</b>	<b>3.4</b>
5th pillar: Higher education and training .....	118	2.8
6th pillar: Goods market efficiency .....	78	4.1
7th pillar: Labor market efficiency .....	102	4.1
8th pillar: Financial market sophistication .....	55	4.5
9th pillar: Technological readiness .....	106	2.6
10th pillar: Market size .....	112	2.4
<b>Innovation and sophistication factors</b> .....	<b>93</b>	<b>3.3</b>
11th pillar: Business sophistication .....	93	3.6
12th pillar: Innovation .....	92	2.9

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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

■ Competitive Advantage
■ Competitive Disadvantage

INDICATOR	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01 Property rights .....	65 .....	6.01 Intensity of local competition .....	103 .....
1.02 Intellectual property protection .....	72 .....	6.02 Extent of market dominance .....	97 .....
1.03 Diversion of public funds .....	105 .....	6.03 Effectiveness of anti-monopoly policy .....	84 .....
1.04 Public trust of politicians .....	81 .....	6.04 Extent and effect of taxation .....	113 .....
1.05 Judicial independence .....	82 .....	6.05 Total tax rate* .....	4 .....
1.06 Favoritism in decisions of government officials .....	103 .....	6.06 No. of procedures required to start a business* .....	19 .....
1.07 Wastefulness of government spending .....	99 .....	6.07 Time required to start a business* .....	77 .....
1.08 Burden of government regulation .....	28 .....	6.08 Agricultural policy costs .....	47 .....
1.09 Efficiency of legal framework .....	59 .....	6.09 Prevalence of trade barriers .....	41 .....
1.10 Transparency of government policymaking .....	35 .....	6.10 Trade-weighted tariff rate* .....	108 .....
1.11 Business costs of terrorism .....	34 .....	6.11 Prevalence of foreign ownership .....	13 .....
1.12 Business costs of crime and violence .....	92 .....	6.12 Business impact of rules on FDI .....	20 .....
1.13 Organized crime .....	47 .....	6.13 Burden of customs procedures .....	98 .....
1.14 Reliability of police services .....	78 .....	6.14 Degree of customer orientation .....	92 .....
1.15 Ethical behavior of firms .....	64 .....	6.15 Buyer sophistication .....	97 .....
1.16 Strength of auditing and reporting standards .....	65 .....	<b>7th pillar: Labor market efficiency</b>	
1.17 Efficacy of corporate boards .....	56 .....	7.01 Cooperation in labor-employer relations .....	70 .....
1.18 Protection of minority shareholders' interests .....	70 .....	7.02 Flexibility of wage determination .....	40 .....
<b>2nd pillar: Infrastructure</b>		7.03 Non-wage labor costs* .....	28 .....
2.01 Quality of overall infrastructure .....	118 .....	7.04 Rigidity of employment* .....	57 .....
2.02 Quality of roads .....	107 .....	7.05 Hiring and firing practices .....	28 .....
2.03 Quality of railroad infrastructure .....	92 .....	7.06 Firing costs* .....	124 .....
2.04 Quality of port infrastructure .....	71 .....	7.07 Pay and productivity .....	109 .....
2.05 Quality of air transport infrastructure .....	99 .....	7.08 Reliance on professional management .....	53 .....
2.06 Available seat kilometers* .....	104 .....	7.09 Brain drain .....	121 .....
2.07 Quality of electricity supply .....	112 .....	7.10 Female participation in labor force* .....	73 .....
2.08 Telephone lines* .....	122 .....	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01 Financial market sophistication .....	92 .....
3.01 Government surplus/deficit* .....	84 .....	8.02 Financing through local equity market .....	63 .....
3.02 National savings rate* .....	52 .....	8.03 Ease of access to loans .....	90 .....
3.03 Inflation* .....	119 .....	8.04 Venture capital availability .....	100 .....
3.04 Interest rate spread* .....	110 .....	8.05 Restriction on capital flows .....	28 .....
3.05 Government debt* .....	45 .....	8.06 Strength of investor protection* .....	50 .....
<b>4th pillar: Health and primary education</b>		8.07 Soundness of banks .....	67 .....
4.01 Business impact of malaria .....	126 .....	8.08 Regulation of securities exchanges .....	44 .....
4.02 Malaria incidence* .....	128 .....	8.09 Legal rights index* .....	29 .....
4.03 Business impact of tuberculosis .....	130 .....	<b>9th pillar: Technological readiness</b>	
4.04 Tuberculosis incidence* .....	129 .....	9.01 Availability of latest technologies .....	91 .....
4.05 Business impact of HIV/AIDS .....	129 .....	9.02 Firm-level technology absorption .....	102 .....
4.06 HIV prevalence* .....	129 .....	9.03 Laws relating to ICT .....	90 .....
4.07 Infant mortality* .....	129 .....	9.04 FDI and technology transfer .....	77 .....
4.08 Life expectancy* .....	132 .....	9.05 Mobile telephone subscribers* .....	117 .....
4.09 Quality of primary education .....	93 .....	9.06 Internet users* .....	112 .....
4.10 Primary enrollment* .....	72 .....	9.07 Personal computers* .....	114 .....
4.11 Education expenditure* .....	115 .....	9.08 Broadband Internet subscribers* .....	112 .....
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01 Secondary enrollment* .....	120 .....	10.01 Domestic market size* .....	111 .....
5.02 Tertiary enrollment* .....	128 .....	10.02 Foreign market size* .....	123 .....
5.03 Quality of the educational system .....	69 .....	<b>11th pillar: Business sophistication</b>	
5.04 Quality of math and science education .....	96 .....	11.01 Local supplier quantity .....	106 .....
5.05 Quality of management schools .....	81 .....	11.02 Local supplier quality .....	99 .....
5.06 Internet access in schools .....	119 .....	11.03 State of cluster development .....	65 .....
5.07 Local availability of research and training services .....	97 .....	11.04 Nature of competitive advantage .....	84 .....
5.08 Extent of staff training .....	106 .....	11.05 Value chain breadth .....	117 .....
		11.06 Control of international distribution .....	116 .....
		11.07 Production process sophistication .....	121 .....
		11.08 Extent of marketing .....	89 .....
		11.09 Willingness to delegate authority .....	100 .....
		<b>12th pillar: Innovation</b>	
		12.01 Capacity for innovation .....	105 .....
		12.02 Quality of scientific research institutions .....	72 .....
		12.03 Company spending on R&D .....	99 .....
		12.04 University-industry research collaboration .....	86 .....
		12.05 Gov't procurement of advanced tech products .....	107 .....
		12.06 Availability of scientists and engineers .....	64 .....
		12.07 Utility patents* .....	88 .....

\* Hard data

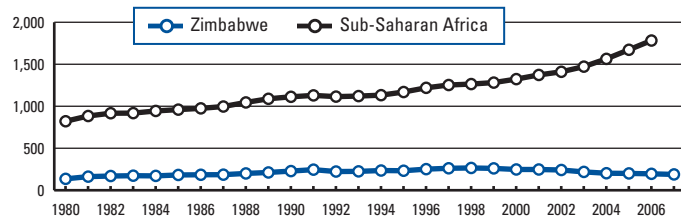
Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.

# Zimbabwe

## Key indicators

Total population (millions), 2007 .....	13.2
GDP (US\$ billions), 2007 .....	0.6
GDP per capita (US\$), 2007 .....	54.6
GDP (PPP) as share (%) of world total, 2007 .....	n/a

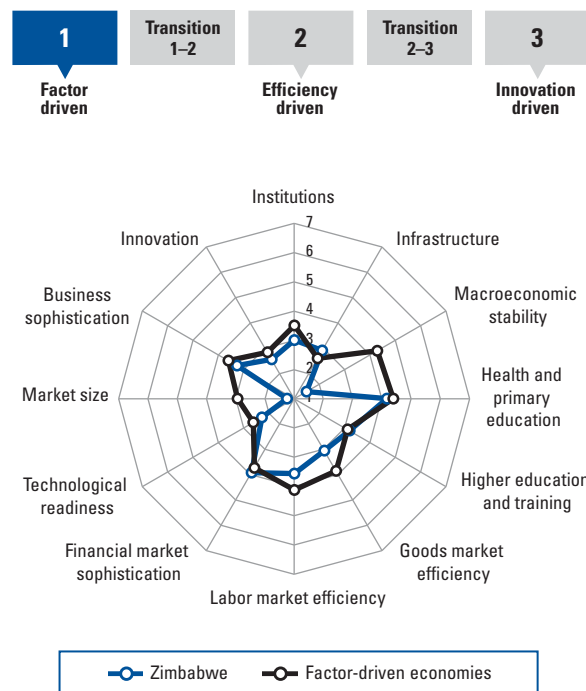
GDP (PPP US\$) per capita, 1980–2007



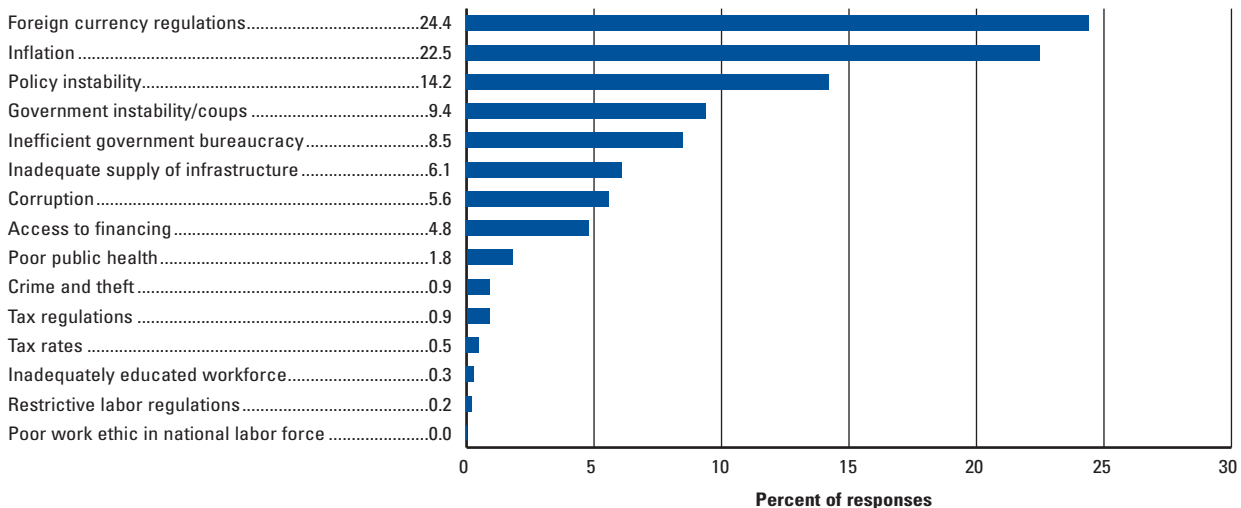
## Global Competitiveness Index

	Rank (out of 134)	Score (1–7)
<b>GCI 2008–2009</b> .....	<b>133</b>	<b>2.9</b>
GCI 2007–2008 (out of 131) .....	129	2.9
GCI 2006–2007 (out of 122) .....	112	3.3
<b>Basic requirements</b> .....	<b>134</b>	<b>2.9</b>
1st pillar: Institutions .....	126	3.0
2nd pillar: Infrastructure .....	88	2.9
3rd pillar: Macroeconomic stability .....	134	1.5
4th pillar: Health and primary education .....	113	4.2
<b>Efficiency enhancers</b> .....	<b>131</b>	<b>2.9</b>
5th pillar: Higher education and training .....	107	3.2
6th pillar: Goods market efficiency .....	133	3.1
7th pillar: Labor market efficiency .....	127	3.6
8th pillar: Financial market sophistication .....	90	3.9
9th pillar: Technological readiness .....	129	2.3
10th pillar: Market size .....	133	1.2
<b>Innovation and sophistication factors</b> .....	<b>122</b>	<b>2.9</b>
11th pillar: Business sophistication .....	124	3.3
12th pillar: Innovation .....	119	2.5

## Stage of development



## The most problematic factors for doing business



Note: From a list of 15 factors, 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	RANK/134	INDICATOR	RANK/134
<b>1st pillar: Institutions</b>		<b>6th pillar: Goods market efficiency</b>	
1.01	Property rights .....134	6.01	Intensity of local competition .....130
1.02	Intellectual property protection .....100	6.02	Extent of market dominance .....94
1.03	Diversion of public funds .....126	6.03	Effectiveness of anti-monopoly policy .....108
1.04	Public trust of politicians .....132	6.04	Extent and effect of taxation .....131
1.05	Judicial independence .....128	6.05	Total tax rate* .....100
1.06	Favoritism in decisions of government officials .....131	6.06	No. of procedures required to start a business* .....75
1.07	Wastefulness of government spending .....133	6.07	Time required to start a business* .....121
1.08	Burden of government regulation .....124	6.08	Agricultural policy costs .....134
1.09	Efficiency of legal framework .....130	6.09	Prevalence of trade barriers .....130
1.10	Transparency of government policymaking .....107	6.10	Trade-weighted tariff rate* .....117
1.11	Business costs of terrorism .....53	6.11	Prevalence of foreign ownership .....133
1.12	Business costs of crime and violence .....102	6.12	Business impact of rules on FDI .....134
1.13	Organized crime .....55	6.13	Burden of customs procedures .....125
1.14	Reliability of police services .....131	6.14	Degree of customer orientation .....129
1.15	Ethical behavior of firms .....111	6.15	Buyer sophistication .....107
1.16	Strength of auditing and reporting standards .....48	<b>7th pillar: Labor market efficiency</b>	
1.17	Efficacy of corporate boards .....44	7.01	Cooperation in labor-employer relations .....107
1.18	Protection of minority shareholders' interests .....57	7.02	Flexibility of wage determination .....132
<b>2nd pillar: Infrastructure</b>		7.03	Non-wage labor costs* .....14
2.01	Quality of overall infrastructure .....79	7.04	Rigidity of employment* .....56
2.02	Quality of roads .....76	7.05	Hiring and firing practices .....128
2.03	Quality of railroad infrastructure .....56	7.06	Firing costs* .....126
2.04	Quality of port infrastructure .....55	7.07	Pay and productivity .....123
2.05	Quality of air transport infrastructure .....117	7.08	Reliance on professional management .....30
2.06	Available seat kilometers* .....116	7.09	Brain drain .....133
2.07	Quality of electricity supply .....129	7.10	Female participation in labor force* .....67
2.08	Telephone lines* .....111	<b>8th pillar: Financial market sophistication</b>	
<b>3rd pillar: Macroeconomic stability</b>		8.01	Financial market sophistication .....84
3.01	Government surplus/deficit* .....133	8.02	Financing through local equity market .....27
3.02	National savings rate* .....91	8.03	Ease of access to loans .....80
3.03	Inflation* .....134	8.04	Venture capital availability .....94
3.04	Interest rate spread* .....132	8.05	Restriction on capital flows .....134
3.05	Government debt* .....n/a	8.06	Strength of investor protection* .....86
<b>4th pillar: Health and primary education</b>		8.07	Soundness of banks .....122
4.01	Business impact of malaria .....115	8.08	Regulation of securities exchanges .....67
4.02	Malaria incidence* .....121	8.09	Legal rights index* .....29
4.03	Business impact of tuberculosis .....132	<b>9th pillar: Technological readiness</b>	
4.04	Tuberculosis incidence* .....131	9.01	Availability of latest technologies .....126
4.05	Business impact of HIV/AIDS .....131	9.02	Firm-level technology absorption .....120
4.06	HIV prevalence* .....130	9.03	Laws relating to ICT .....107
4.07	Infant mortality* .....109	9.04	FDI and technology transfer .....134
4.08	Life expectancy* .....132	9.05	Mobile telephone subscribers* .....126
4.09	Quality of primary education .....71	9.06	Internet users* .....89
4.10	Primary enrollment* .....102	9.07	Personal computers* .....75
4.11	Education expenditure* .....12	9.08	Broadband Internet subscribers* .....101
<b>5th pillar: Higher education and training</b>		<b>10th pillar: Market size</b>	
5.01	Secondary enrollment* .....114	10.01	Domestic market size* .....134
5.02	Tertiary enrollment* .....119	10.02	Foreign market size* .....132
5.03	Quality of the educational system .....43	<b>11th pillar: Business sophistication</b>	
5.04	Quality of math and science education .....81	11.01	Local supplier quantity .....123
5.05	Quality of management schools .....102	11.02	Local supplier quality .....121
5.06	Internet access in schools .....122	11.03	State of cluster development .....116
5.07	Local availability of research and training services .....121	11.04	Nature of competitive advantage .....124
5.08	Extent of staff training .....67	11.05	Value chain breadth .....131
		11.06	Control of international distribution .....113
		11.07	Production process sophistication .....130
		11.08	Extent of marketing .....114
		11.09	Willingness to delegate authority .....69
		<b>12th pillar: Innovation</b>	
		12.01	Capacity for innovation .....132
		12.02	Quality of scientific research institutions .....98
		12.03	Company spending on R&D .....88
		12.04	University-industry research collaboration .....94
		12.05	Gov't procurement of advanced tech products .....133
		12.06	Availability of scientists and engineers .....120
		12.07	Utility patents* .....76

\* Hard data

Note: For further details and explanation, please refer to the section "How to Read the Country/Economy Profiles" at the beginning of this chapter.



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# 2.3

## Data Tables



# How to Read the Data Tables

The following pages provide detailed data for all 134 economies included in the *The Global Competitiveness Report 2008–2009*. The data tables are organized into 13 sections:

- Basic indicators
  - I. Institutions
  - II. Infrastructure
  - III. Macroeconomic stability
  - IV. Health and primary education
  - V. Higher education and training
  - VI. Goods market efficiency
  - VII. Labor market efficiency
  - VIII. Financial market sophistication
  - IX. Technological readiness
  - X. Market size
  - XI. Business sophistication
  - XII. Innovation

The 12 numbered sections correspond to the 12 pillars of the Global Competitiveness Index.

Two types of data are presented in the tables:

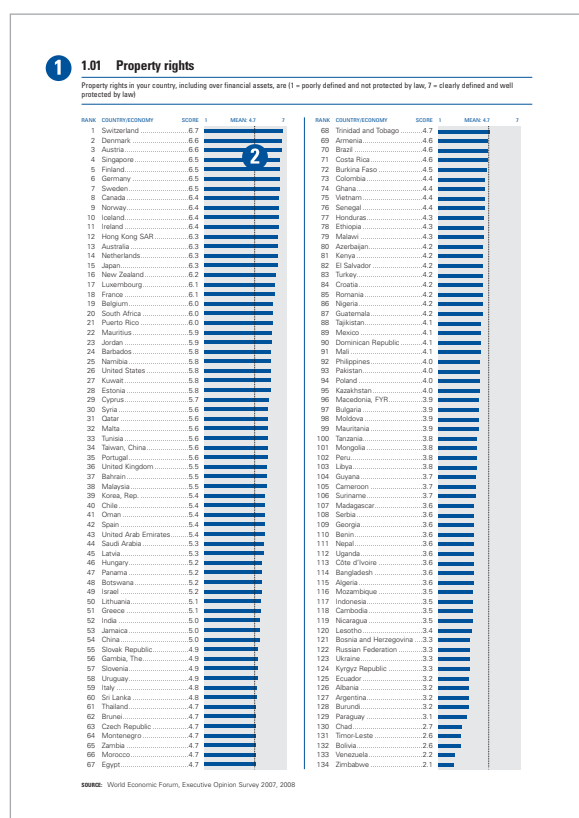
- **Survey data:** These data are the results drawn from the World Economic Forum's Executive Opinion Survey.
- **Hard data:** These data are indicators obtained from a variety of sources.

## Survey data

1 Data yielded from the World Economic Forum's Executive Opinion Survey are presented in blue-colored bar graphs. Survey questions asked for responses on a scale of 1 to 7, where an answer of 1 corresponds to the lowest possible score and an answer of 7 corresponds to the highest possible score. For each Survey question, individual responses are aggregated at country level in order to produce country scores. For more information on the Executive Opinion Survey and a detailed explanation of how country scores are computed, please refer to Chapter 2.1.

For each Survey variable, the corresponding Survey question and the two extreme answers are shown. Scores are reported with a precision of one decimal point, although exact figures are used to determine rankings. For example, in the case of variable 1.01 on property rights, Singapore's score is 6.52260, Finland's score is 6.51033, Germany's score is 6.50559, and Sweden's score is 6.50394. These countries are ranked 4th, 5th, 6th, and 7th, respectively, although they are all listed with the same rounded score of 6.5.

2 A dotted line on the graph indicates the mean score across the 134 economies.





### 3 0.03 GDP (current prices) per capita (hard data)

Gross domestic product (current prices) per capita in US dollars | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Luxembourg	104,873.3	69	Belgium	5,186.4
2	Norway	83,922.5	70	Suriname	4,577.4
3	Qatar	72,845.1	71	Jamaica	4,172.2
4	Iceland	63,820.1	72	Dominican Republic	4,142.9
5	Ireland	58,924.4	73	Montenegro	4,085.3
6	Switzerland	56,055.6	74	Puru	3,985.9
7	Denmark	57,262.9	75	Algeria	3,824.7
8	Sweden	49,654.9	76	Thailand	3,736.9
9	Finland	46,601.9	77	Bosnia and Herzegovina	3,712.1
10	Netherlands	46,262.7	78	Azerbaijan	3,662.9
11	United States	45,545.5	79	Macedonia, FYR	3,555.9
12	United Kingdom	45,574.7	80	Colombia	3,611.5
13	Austria	45,181.1	81	Namibia	3,583.9
14	Canada	43,468.9	82	Turkmenistan	3,392.9
15	Australia	43,312.3	83	Albania	3,353.7
16	United Arab Emirates	42,252.1	84	Ukraine	3,046.1
17	Belgium	42,556.9	85	El Salvador	2,897.4
18	France	41,511.2	86	Jordan	2,795.4
19	Germany	40,415.4	87	Guatemala	2,631.8
20	Italy	36,872.4	88	China	2,602.9
21	Singapore	35,162.9	89	Morocco	2,389.4
22	Japan	34,312.1	90	Georgia	2,355.4
23	Kuwait	33,634.3	91	Armenia	2,327.9
24	Bahrain	32,162.3	92	Syria	1,945.9
25	Spain	32,067.0	93	Indonesia	1,924.7
26	New Zealand	30,255.6	94	Paraguay	1,801.8
27	Hong Kong SAR	29,645.5	95	Egypt	1,738.4
28	Greece	29,272.3	96	Honduras	1,626.1
29	Cyprus	27,225.7	97	Philippines	1,624.7
30	Bahrain	26,730.5	98	Si Lanka	1,556.0
31	Slovenia	22,522.7	99	Mongolia	1,485.7
32	Israel	22,475.1	100	Guyana	1,365.4
33	Puerto Rico	22,057.1	101	Bolivia	1,362.4
34	Portugal	21,018.8	102	Moldova	1,248.5
35	Korea, Rep.	19,750.8	103	Nigeria	1,153.4
36	Malta	18,080.0	104	Cameroon	1,095.0
37	Czech Republic	17,069.7	105	Cote d'Ivoire	1,045.0
38	Taiwan, China	16,600.0	106	India	977.1
39	Turkey and Tokelau	15,904.8	107	Nicaragua	945.5
40	Estonia	15,850.7	108	Mauritania	920.8
41	Oman	15,584.4	109	Zambia	917.6
42	Saudi Arabia	15,481.2	110	Senegal	909.6
43	Slovak Republic	13,967.5	111	Pakistan	898.9
44	Hungary	13,762.2	112	Kenya	845.5
45	Barbados	13,605.4	113	Vietnam	818.1
46	Lavia	11,964.9	114	Chad	747.4
47	Croatia	11,576.0	115	Kyrgyz Republic	713.4
48	Lithuania	11,354.4	116	Bahrain	691.6
49	Poland	11,041.2	117	Ghana	676.5
50	Chile	9,879.1	118	Laos	654.7
51	Turkey	9,828.1	119	Cambodia	600.0
52	Libya	9,371.6	120	Tajikistan	576.0
53	Russian Federation	9,076.1	121	Mal	516.5
54	Venezuela	8,996.0	122	Burkina Faso	508.3
55	Mexico	8,476.7	123	Bangladesh	455.5
56	Botswana	7,886.4	124	Timor-Leste	440.5
57	Romania	7,697.2	125	Madagascar	431.4
58	Uruguay	7,172.2	126	Tanzania	415.4
59	Malaysia	6,945.8	127	Gambia, The	411.3
60	Brazil	6,937.9	128	Nepal	400.2
61	Azerbaijan	6,867.7	129	Mozambique	368.7
62	Argentina	6,606.3	130	Uganda	360.0
63	South Africa	6,306.5	131	Malawi	354.5
64	Costa Rica	6,305.3	132	Ethiopia	251.8
65	Panama	6,304.3	133	Burundi	126.5
66	Ghana	6,199.9	134	Zimbabwe	54.6
67	Mauritius	6,120.1			

SOURCE: IMF, World Economic Outlook Database (April 2008); European Bank for Reconstruction and Development; national sources

## Hard data

While Survey data provide qualitative information, hard data provide an objective measure of a quantity (for example, gross domestic product, malaria incidence, number of personal computers, number of procedures required to start a business, and so on). We use the latest data available from international organizations (such as the International Monetary Fund, the World Bank, various United Nations agencies, and the International Telecommunication Union), completed, if necessary, by national sources. In the following pages, hard data variables are presented in black-shaded bar graphs. For each indicator, a short description appears at the top of the page. The *base year* (i.e., the year when a majority of the data was collected) follows the description. When the year differs from the base year for a particular country, this is indicated in a footnote. A more detailed description and the full source for each variable can be found in the Technical Notes and Sources section at the end of this *Report*. When data are not available or are too outdated, “n/a” is used in lieu of the rank and the value.

In the case of hard data, true ties between two or more countries are possible. In such cases, shared rankings are indicated accordingly. For example, the number of procedures required to start a business—just two—is the same in Australia, Canada, and New Zealand. As a result, the three countries share the first position in Table 6.06.

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# Basic indicators

## 0.01 GDP valued at current prices (hard data)

Gross domestic product (current prices) in millions of US dollars | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	United States	13,843,825	68	Oman	40,059
2	Japan	4,383,762	69	Bulgaria	39,609
3	Germany	3,322,147	70	Lithuania	38,345
4	China	3,250,827	71	Syria	37,760
5	United Kingdom	2,772,570	72	Dominican Republic	36,396
6	France	2,560,255	73	Tunisia	35,010
7	Italy	2,104,666	74	Guatemala	33,694
8	Spain	1,438,959	75	Azerbaijan	31,321
9	Canada	1,432,140	76	Sri Lanka	30,012
10	Brazil	1,313,590	77	Kenya	29,299
11	Russian Federation	1,289,582	78	Latvia	27,341
12	India	1,098,945	79	Costa Rica	26,238
13	Korea, Rep.	957,053	80	Uruguay	22,951
14	Australia	908,826	81	Cyprus	21,303
15	Mexico	893,365	82	Estonia	21,278
16	Netherlands	768,704	83	Trinidad and Tobago	20,700
17	Turkey	663,419	84	Cameroon	20,646
18	Sweden	455,319	85	El Salvador	20,373
19	Belgium	453,636	86	Iceland	20,003
20	Indonesia	432,944	87	Panama	19,740
21	Switzerland	423,938	88	Bahrain	19,660
22	Poland	420,284	89	Côte d'Ivoire	19,598
23	Norway	391,498	90	Ethiopia	19,431
24	Taiwan, China	383,307	91	Tanzania	16,184
25	Saudi Arabia	376,029	92	Jordan	16,011
26	Austria	373,943	93	Ghana	14,863
27	Greece	314,615	94	Bosnia and Herzegovina	14,780
28	Denmark	311,905	95	Bolivia	13,192
29	South Africa	282,630	96	Brunei Darussalam	12,386
30	Argentina	259,999	97	Botswana	12,313
31	Ireland	258,574	98	Honduras	12,279
32	Thailand	245,659	99	Uganda	11,227
33	Finland	245,013	100	Jamaica	11,206
34	Venezuela	236,390	101	Zambia	11,156
35	Portugal	223,303	102	Senegal	11,123
36	Hong Kong SAR	206,707	103	Paraguay	10,870
37	United Arab Emirates	192,603	104	Albania	10,619
38	Malaysia	186,482	105	Georgia	10,293
39	Czech Republic	175,309	106	Nepal	9,627
40	Colombia	171,607	107	Cambodia	8,604
41	Nigeria	166,778	108	Armenia	7,974
42	Romania	165,983	109	Mozambique	7,559
43	Chile	163,792	110	Macedonia, FYR	7,497
44	Israel	161,935	111	Malta	7,419
45	Singapore	161,349	112	Namibia	7,400
46	Philippines	144,129	113	Madagascar	7,322
47	Pakistan	143,766	114	Chad	7,095
48	Ukraine	140,484	115	Burkina Faso	6,977
49	Hungary	138,388	116	Mauritius	6,959
50	Algeria	131,568	117	Mali	6,745
51	New Zealand	128,141	118	Nicaragua	5,723
52	Egypt	127,930	119	Benin	5,433
53	Kuwait	111,339	120	Moldova	4,227
54	Peru	109,069	121	Mongolia	3,905
55	Kazakhstan	103,840	122	Kyrgyz Republic	3,748
56	Puerto Rico	86,464	123	Barbados	3,739
57	Slovak Republic	74,988	124	Tajikistan	3,712
58	Morocco	73,429	125	Malawi	3,538
59	Bangladesh	72,424	126	Montenegro	2,974
60	Vietnam	70,022	127	Mauritania	2,756
61	Qatar	67,763	128	Suriname	2,404
62	Libya	57,064	129	Lesotho	1,600
63	Croatia	51,356	130	Guyana	1,039
64	Luxembourg	50,160	131	Burundi	1,001
65	Slovenia	46,084	132	Gambia, The	653
66	Ecuador	44,184	133	Zimbabwe	641
67	Serbia	41,679	134	Timor-Leste	459

SOURCE: IMF, *World Economic Outlook Database* (April 2008); national sources

## 0.02 Population (hard data)

Population in millions | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	China	1,331.4	68	Hungary	10.0
2	India	1,135.6	69	Bolivia	9.5
3	United States	303.9	70	Dominican Republic	9.1
4	Indonesia	228.1	70	Sweden	9.1
5	Brazil	191.3	72	Benin	9.0
6	Pakistan	164.6	73	Azerbaijan	8.5
7	Bangladesh	147.1	74	Austria	8.2
8	Russian Federation	141.9	75	Burundi	8.1
9	Nigeria	137.2	76	Bulgaria	7.6
10	Japan	128.3	77	Honduras	7.5
11	Mexico	109.6	78	Serbia	7.4
12	Vietnam	86.4	79	Switzerland	7.3
13	Philippines	85.9	80	Hong Kong SAR	7.2
14	Germany	82.7	81	El Salvador	7.1
15	Ethiopia	81.2	82	Israel	7.0
16	Egypt	76.9	83	Tajikistan	6.7
17	Turkey	75.2	84	Paraguay	6.4
18	Thailand	65.3	85	Libya	6.1
19	France	60.9	86	Jordan	6.0
20	United Kingdom	60.0	87	Nicaragua	5.7
21	Italy	58.2	88	Denmark	5.5
22	Korea, Rep.	48.1	89	Kyrgyz Republic	5.4
23	South Africa	47.7	89	Slovak Republic	5.4
24	Colombia	47.0	91	Finland	5.3
25	Ukraine	45.5	92	United Arab Emirates	4.8
26	Spain	43.6	93	Norway	4.7
27	Tanzania	39.7	94	Croatia	4.6
28	Argentina	39.5	95	Costa Rica	4.5
29	Poland	38.5	96	Georgia	4.4
30	Kenya	36.0	96	Singapore	4.4
31	Algeria	33.9	98	Ireland	4.3
32	Canada	32.9	99	Moldova	4.2
33	Morocco	32.4	100	New Zealand	4.1
34	Uganda	30.9	101	Puerto Rico	4.0
35	Peru	28.8	102	Bosnia and Herzegovina	4.0
36	Nepal	28.2	103	Uruguay	3.5
37	Venezuela	27.7	104	Lithuania	3.4
38	Malaysia	26.2	105	Panama	3.3
39	Saudi Arabia	25.8	106	Albania	3.2
40	Ghana	23.0	106	Mauritania	3.2
41	Taiwan, China	22.7	108	Armenia	3.0
42	Romania	21.5	109	Kuwait	2.8
43	Sri Lanka	21.1	110	Jamaica	2.7
44	Australia	20.6	110	Mongolia	2.7
45	Mozambique	20.5	110	Oman	2.7
46	Syria	20.0	113	Latvia	2.3
47	Madagascar	19.6	114	Namibia	2.1
48	Côte d'Ivoire	18.8	115	Macedonia, FYR	2.0
49	Cameroon	16.9	116	Slovenia	2.0
50	Chile	16.6	117	Botswana	1.8
51	Netherlands	16.4	117	Lesotho	1.8
52	Kazakhstan	14.8	119	Gambia, The	1.6
53	Cambodia	14.6	120	Estonia	1.3
54	Mali	14.3	120	Mauritius	1.3
55	Burkina Faso	14.0	120	Trinidad and Tobago	1.3
56	Ecuador	13.6	123	Timor-Leste	1.1
57	Malawi	13.5	124	Qatar	0.9
58	Guatemala	13.2	125	Cyprus	0.8
58	Zimbabwe	13.2	126	Bahrain	0.8
60	Senegal	12.2	127	Guyana	0.8
61	Zambia	12.1	128	Montenegro	0.7
62	Greece	11.2	129	Suriname	0.5
63	Portugal	10.6	130	Luxembourg	0.5
64	Belgium	10.5	131	Malta	0.4
65	Chad	10.3	132	Brunei Darussalam	0.4
65	Tunisia	10.3	133	Iceland	0.3
67	Czech Republic	10.2	134	Barbados	0.3

SOURCE: UNFPA, *State of World Population 2007*; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); national sources

## 0.03 GDP (current prices) per capita (hard data)

Gross domestic product (current prices) per capita in US dollars | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Luxembourg.....	104,673.3	68	Bulgaria .....	5,186.4
2	Norway.....	83,922.5	69	Suriname.....	4,577.4
3	Qatar.....	72,849.1	70	Jamaica.....	4,172.2
4	Iceland.....	63,830.1	71	Dominican Republic.....	4,147.3
5	Ireland.....	59,924.4	72	Montenegro.....	4,085.3
6	Switzerland.....	58,083.6	73	Peru.....	3,885.9
7	Denmark.....	57,260.9	74	Algeria.....	3,824.7
8	Sweden.....	49,654.9	75	Thailand.....	3,736.8
9	Finland.....	46,601.9	76	Bosnia and Herzegovina.....	3,712.1
10	Netherlands.....	46,260.7	77	Azerbaijan.....	3,662.9
11	United States.....	45,845.5	78	Macedonia, FYR.....	3,659.0
12	United Kingdom.....	45,574.7	79	Colombia.....	3,611.5
13	Austria.....	45,181.1	80	Namibia.....	3,583.5
14	Canada.....	43,484.9	81	Tunisia.....	3,397.6
15	Australia.....	43,312.3	82	Albania.....	3,353.7
16	United Arab Emirates.....	42,934.1	83	Ecuador.....	3,218.2
17	Belgium.....	42,556.9	84	Ukraine.....	3,046.1
18	France.....	41,511.2	85	El Salvador.....	2,857.4
19	Germany.....	40,415.4	86	Jordan.....	2,795.5
20	Italy.....	35,872.4	87	Guatemala.....	2,531.8
21	Singapore.....	35,162.9	88	China.....	2,460.8
22	Japan.....	34,312.1	89	Morocco.....	2,389.4
23	Kuwait.....	33,634.3	90	Georgia.....	2,355.2
24	Brunei Darussalam.....	32,167.3	91	Armenia.....	2,297.5
25	Spain.....	32,067.0	92	Syria.....	1,945.9
26	New Zealand.....	30,255.6	93	Indonesia.....	1,924.7
27	Hong Kong SAR.....	29,649.5	94	Paraguay.....	1,801.8
28	Greece.....	28,273.3	95	Egypt.....	1,738.8
29	Cyprus.....	27,326.7	96	Honduras.....	1,635.1
30	Bahrain.....	25,730.5	97	Philippines.....	1,624.7
31	Slovenia.....	22,932.7	98	Sri Lanka.....	1,506.0
32	Israel.....	22,475.1	99	Mongolia.....	1,485.7
33	Puerto Rico.....	22,057.1	100	Guyana.....	1,365.2
34	Portugal.....	21,018.8	101	Bolivia.....	1,342.4
35	Korea, Rep.....	19,750.8	102	Moldova.....	1,248.5
36	Malta.....	18,088.0	103	Nigeria.....	1,159.4
37	Czech Republic.....	17,069.7	104	Cameroon.....	1,095.0
38	Taiwan, China.....	16,606.0	105	Côte d'Ivoire.....	1,045.2
39	Trinidad and Tobago.....	15,904.8	106	India.....	977.7
40	Estonia.....	15,850.7	107	Nicaragua.....	945.5
41	Oman.....	15,584.4	108	Mauritania.....	930.8
42	Saudi Arabia.....	15,481.2	109	Zambia.....	917.6
43	Slovak Republic.....	13,857.5	110	Senegal.....	909.8
44	Hungary.....	13,762.2	111	Pakistan.....	908.9
45	Barbados.....	13,605.4	112	Kenya.....	845.5
46	Latvia.....	11,984.8	113	Vietnam.....	818.1
47	Croatia.....	11,576.0	114	Chad.....	747.4
48	Lithuania.....	11,354.4	115	Kyrgyz Republic.....	713.4
49	Poland.....	11,041.2	116	Benin.....	691.6
50	Chile.....	9,879.1	117	Ghana.....	676.5
51	Turkey.....	9,629.1	118	Lesotho.....	664.7
52	Libya.....	9,371.6	119	Cambodia.....	600.0
53	Russian Federation.....	9,075.1	120	Tajikistan.....	578.3
54	Venezuela.....	8,596.0	121	Mali.....	516.5
55	Mexico.....	8,478.7	122	Burkina Faso.....	508.3
56	Botswana.....	7,888.4	123	Bangladesh.....	455.5
57	Romania.....	7,697.2	124	Timor-Leste.....	440.5
58	Uruguay.....	7,172.2	125	Madagascar.....	431.4
59	Malaysia.....	6,947.6	126	Tanzania.....	415.4
60	Brazil.....	6,937.9	127	Gambia, The.....	411.3
61	Kazakhstan.....	6,867.7	128	Nepal.....	400.2
62	Argentina.....	6,606.3	129	Mozambique.....	368.7
63	South Africa.....	5,906.5	130	Uganda.....	363.0
64	Costa Rica.....	5,905.3	131	Malawi.....	264.3
65	Panama.....	5,904.3	132	Ethiopia.....	251.8
66	Serbia.....	5,595.9	133	Burundi.....	128.5
67	Mauritius.....	5,520.1	134	Zimbabwe.....	54.6

SOURCE: IMF, *World Economic Outlook Database* (April 2008); European Bank for Reconstruction and Development; national sources

# Section I

## Institutions



## 1.01 Property rights

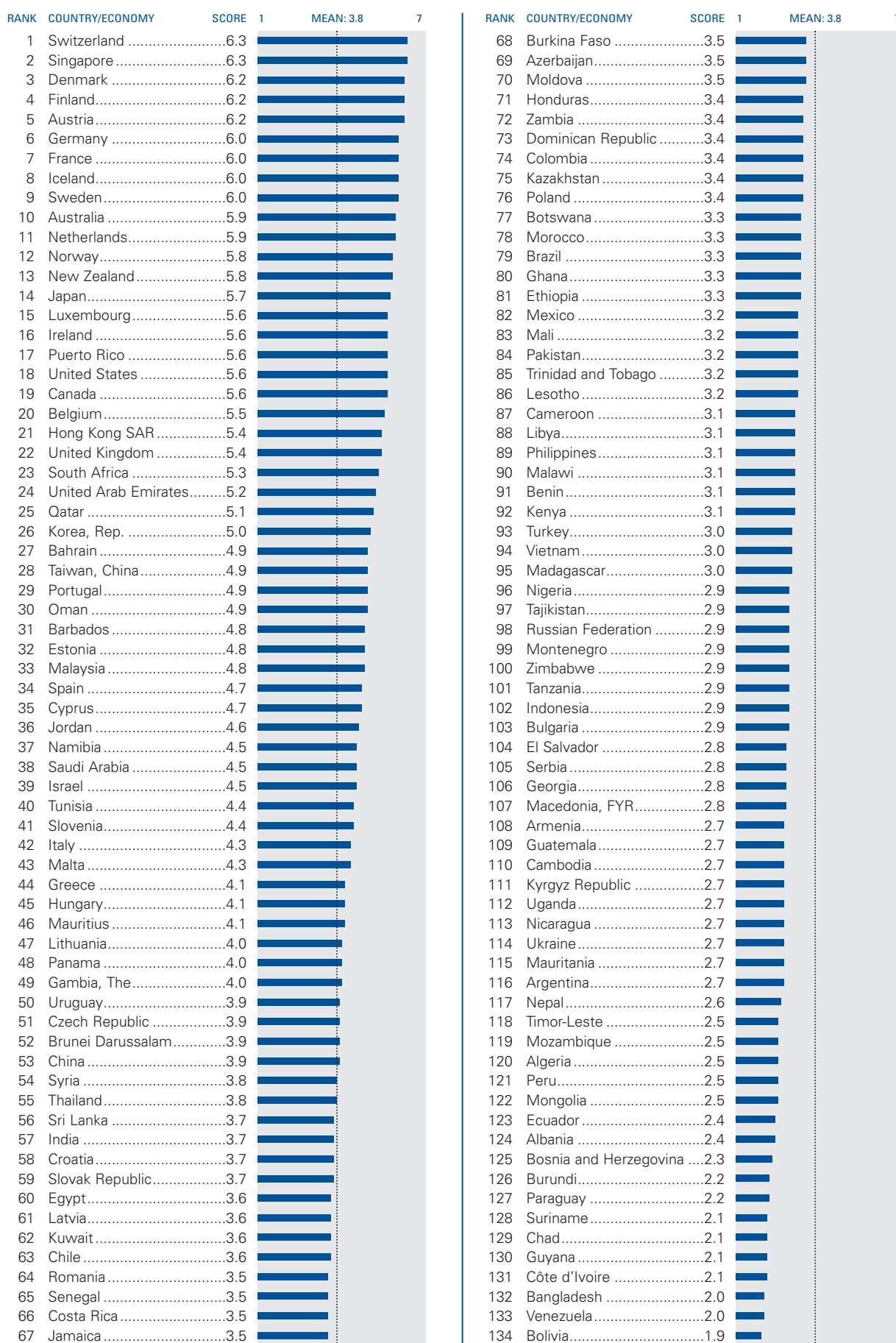
Property rights in your country, including over financial assets, are (1 = poorly defined and not protected by law, 7 = clearly defined and well protected by law)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Switzerland	6.7				68	Trinidad and Tobago	4.7			
2	Denmark	6.6				69	Armenia	4.6			
3	Austria	6.6				70	Brazil	4.6			
4	Singapore	6.5				71	Costa Rica	4.6			
5	Finland	6.5				72	Burkina Faso	4.5			
6	Germany	6.5				73	Colombia	4.4			
7	Sweden	6.5				74	Ghana	4.4			
8	Canada	6.4				75	Vietnam	4.4			
9	Norway	6.4				76	Senegal	4.4			
10	Iceland	6.4				77	Honduras	4.3			
11	Ireland	6.4				78	Ethiopia	4.3			
12	Hong Kong SAR	6.3				79	Malawi	4.3			
13	Australia	6.3				80	Azerbaijan	4.2			
14	Netherlands	6.3				81	Kenya	4.2			
15	Japan	6.3				82	El Salvador	4.2			
16	New Zealand	6.2				83	Turkey	4.2			
17	Luxembourg	6.1				84	Croatia	4.2			
18	France	6.1				85	Romania	4.2			
19	Belgium	6.0				86	Nigeria	4.2			
20	South Africa	6.0				87	Guatemala	4.2			
21	Puerto Rico	6.0				88	Tajikistan	4.1			
22	Mauritius	5.9				89	Mexico	4.1			
23	Jordan	5.9				90	Dominican Republic	4.1			
24	Barbados	5.8				91	Mali	4.1			
25	Namibia	5.8				92	Philippines	4.0			
26	United States	5.8				93	Pakistan	4.0			
27	Kuwait	5.8				94	Poland	4.0			
28	Estonia	5.8				95	Kazakhstan	4.0			
29	Cyprus	5.7				96	Macedonia, FYR	3.9			
30	Syria	5.6				97	Bulgaria	3.9			
31	Qatar	5.6				98	Moldova	3.9			
32	Malta	5.6				99	Mauritania	3.9			
33	Tunisia	5.6				100	Tanzania	3.8			
34	Taiwan, China	5.6				101	Mongolia	3.8			
35	Portugal	5.6				102	Peru	3.8			
36	United Kingdom	5.5				103	Libya	3.8			
37	Bahrain	5.5				104	Guyana	3.7			
38	Malaysia	5.5				105	Cameroon	3.7			
39	Korea, Rep.	5.4				106	Suriname	3.7			
40	Chile	5.4				107	Madagascar	3.6			
41	Oman	5.4				108	Serbia	3.6			
42	Spain	5.4				109	Georgia	3.6			
43	United Arab Emirates	5.4				110	Benin	3.6			
44	Saudi Arabia	5.3				111	Nepal	3.6			
45	Latvia	5.3				112	Uganda	3.6			
46	Hungary	5.2				113	Côte d'Ivoire	3.6			
47	Panama	5.2				114	Bangladesh	3.6			
48	Botswana	5.2				115	Algeria	3.6			
49	Israel	5.2				116	Mozambique	3.5			
50	Lithuania	5.1				117	Indonesia	3.5			
51	Greece	5.1				118	Cambodia	3.5			
52	India	5.0				119	Nicaragua	3.5			
53	Jamaica	5.0				120	Lesotho	3.4			
54	China	5.0				121	Bosnia and Herzegovina	3.3			
55	Slovak Republic	4.9				122	Russian Federation	3.3			
56	Gambia, The	4.9				123	Ukraine	3.3			
57	Slovenia	4.9				124	Kyrgyz Republic	3.3			
58	Uruguay	4.9				125	Ecuador	3.2			
59	Italy	4.8				126	Albania	3.2			
60	Sri Lanka	4.8				127	Argentina	3.2			
61	Thailand	4.7				128	Burundi	3.2			
62	Brunei Darussalam	4.7				129	Paraguay	3.1			
63	Czech Republic	4.7				130	Chad	2.7			
64	Montenegro	4.7				131	Timor-Leste	2.6			
65	Zambia	4.7				132	Bolivia	2.6			
66	Morocco	4.7				133	Venezuela	2.2			
67	Egypt	4.7				134	Zimbabwe	2.1			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.02 Intellectual property protection

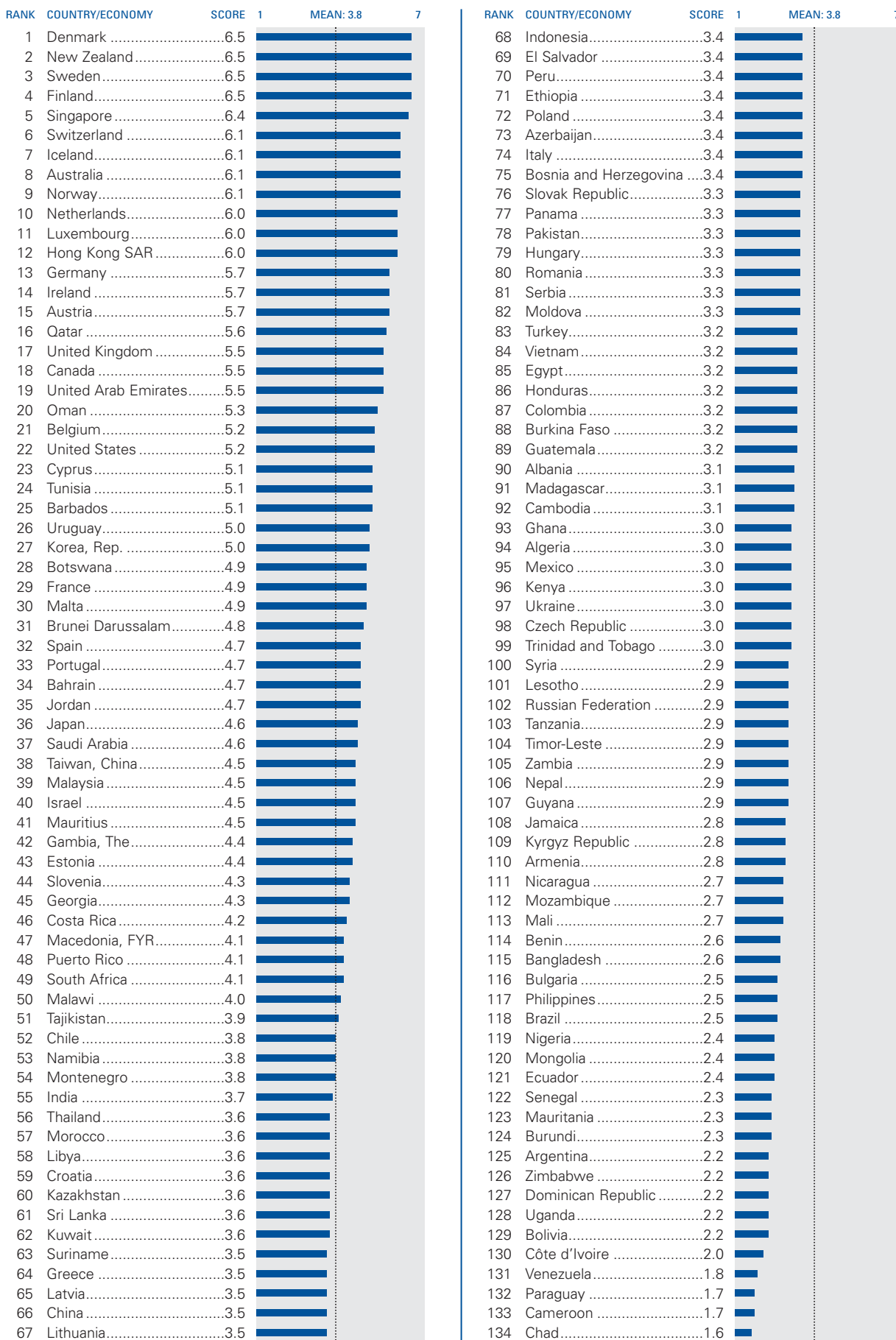
Intellectual property protection and anti-counterfeiting measures in your country are (1 = weak and not enforced, 7 = strong and enforced)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.03 Diversion of public funds

In your country, diversion of public funds to companies, individuals, or groups due to corruption (1 = is common, 7 = never occurs)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.04 Public trust of politicians

Public trust in the financial honesty of politicians in your country is (1 = very low, 7 = very high)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.05 Judicial independence

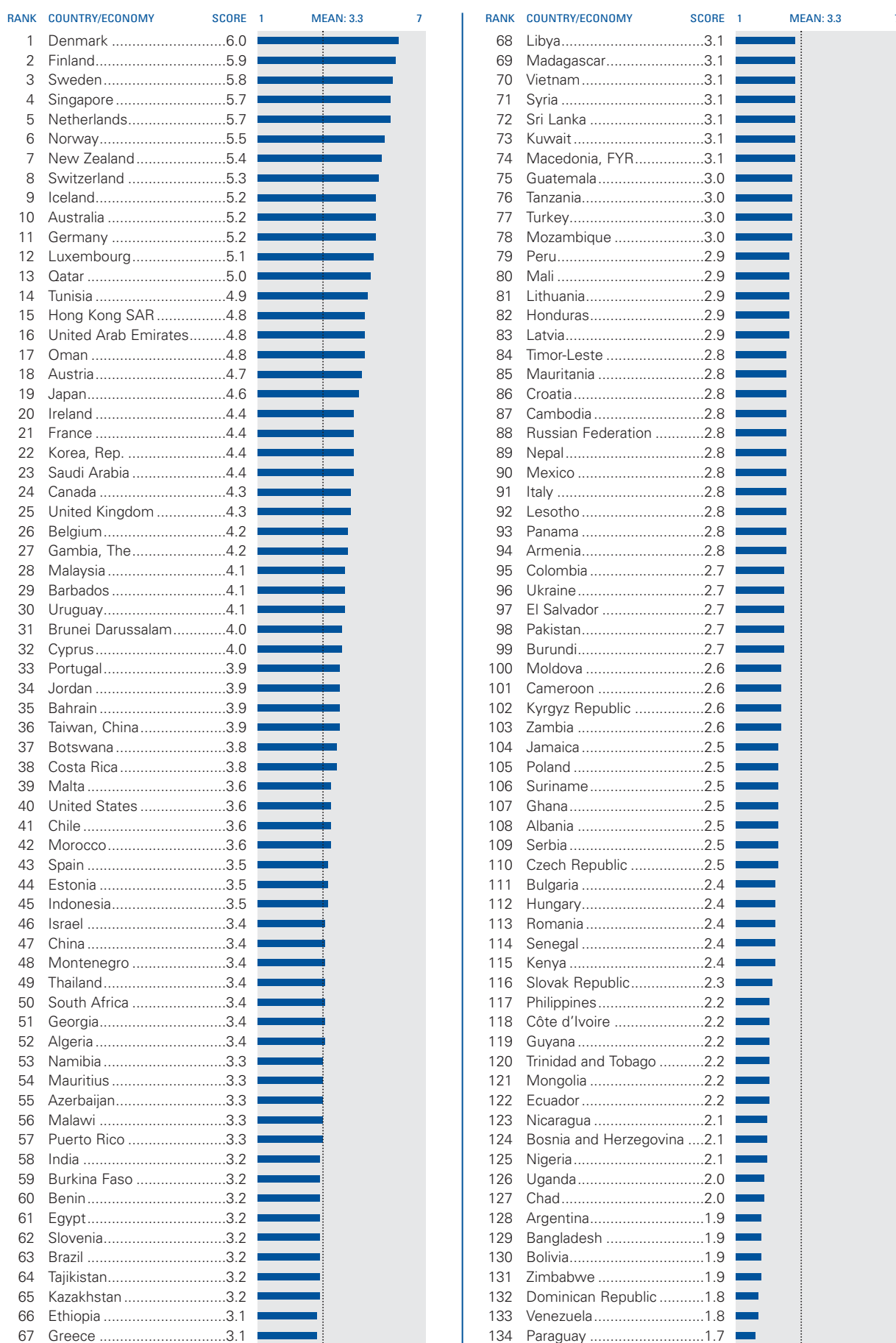
Is the judiciary in your country independent from political influences of members of government, citizens, or firms? (1 = no—heavily influenced, 7 = yes—entirely independent)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7
1	New Zealand	6.6			
2	Finland	6.6			
3	Sweden	6.6			
4	Germany	6.5			
5	Denmark	6.5			
6	Netherlands	6.5			
7	Switzerland	6.5			
8	Australia	6.4			
9	Canada	6.3			
10	Ireland	6.2			
11	Austria	6.1			
12	Norway	6.1			
13	Hong Kong SAR	6.0			
14	Iceland	5.9			
15	Singapore	5.9			
16	Luxembourg	5.9			
17	Barbados	5.8			
18	United Kingdom	5.8			
19	Belgium	5.7			
20	Israel	5.7			
21	Qatar	5.7			
22	Namibia	5.5			
23	United States	5.5			
24	Cyprus	5.4			
25	Japan	5.4			
26	Botswana	5.3			
27	Estonia	5.3			
28	Malta	5.3			
29	France	5.3			
30	South Africa	5.2			
31	Costa Rica	5.2			
32	Portugal	5.2			
33	United Arab Emirates	5.2			
34	Oman	5.2			
35	Malawi	5.1			
36	Kuwait	5.0			
37	Uruguay	5.0			
38	Mauritius	5.0			
39	Tunisia	5.0			
40	Saudi Arabia	5.0			
41	Jordan	5.0			
42	Egypt	5.0			
43	India	4.9			
44	Puerto Rico	4.9			
45	Korea, Rep.	4.8			
46	Gambia, The	4.7			
47	Malaysia	4.7			
48	Bahrain	4.6			
49	Taiwan, China	4.6			
50	Suriname	4.5			
51	Jamaica	4.5			
52	Chile	4.5			
53	Thailand	4.4			
54	Brunei Darussalam	4.4			
55	Hungary	4.3			
56	Spain	4.3			
57	Nigeria	4.3			
58	Sri Lanka	4.2			
59	Libya	4.2			
60	Slovenia	4.2			
61	Czech Republic	4.2			
62	Greece	4.1			
63	Colombia	4.1			
64	Turkey	4.0			
65	Morocco	3.9			
66	Tanzania	3.9			
67	Lithuania	3.8			
68	Brazil	3.8			
69	China	3.8			
70	Ghana	3.8			
71	Latvia	3.8			
72	Mali	3.7			
73	Poland	3.7			
74	Benin	3.7			
75	Vietnam	3.7			
76	Slovak Republic	3.7			
77	Syria	3.6			
78	Italy	3.6			
79	Trinidad and Tobago	3.6			
80	Indonesia	3.6			
81	Tajikistan	3.5			
82	Zambia	3.5			
83	Philippines	3.5			
84	Azerbaijan	3.4			
85	Montenegro	3.4			
86	Mexico	3.4			
87	Uganda	3.3			
88	Romania	3.3			
89	Burkina Faso	3.3			
90	Guatemala	3.3			
91	Honduras	3.2			
92	Nepal	3.2			
93	Pakistan	3.2			
94	Croatia	3.2			
95	Lesotho	3.2			
96	Bangladesh	3.2			
97	El Salvador	3.2			
98	Ethiopia	3.2			
99	Mauritania	3.1			
100	Algeria	3.1			
101	Mozambique	3.1			
102	Kazakhstan	3.1			
103	Dominican Republic	3.0			
104	Timor-Leste	3.0			
105	Kenya	3.0			
106	Serbia	3.0			
107	Madagascar	3.0			
108	Guyana	3.0			
109	Russian Federation	2.9			
110	Bulgaria	2.9			
111	Moldova	2.8			
112	Georgia	2.8			
113	Macedonia, FYR	2.8			
114	Peru	2.7			
115	Panama	2.7			
116	Bosnia and Herzegovina	2.6			
117	Senegal	2.6			
118	Cambodia	2.6			
119	Ukraine	2.6			
120	Mongolia	2.5			
121	Albania	2.4			
122	Kyrgyz Republic	2.3			
123	Armenia	2.3			
124	Bolivia	2.2			
125	Argentina	2.2			
126	Cameroon	2.2			
127	Burundi	2.1			
128	Zimbabwe	2.0			
129	Ecuador	2.0			
130	Chad	1.8			
131	Nicaragua	1.8			
132	Côte d'Ivoire	1.7			
133	Paraguay	1.5			
134	Venezuela	1.4			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.06 Favoritism in decisions of government officials

When deciding upon policies and contracts, government officials in your country (1 = usually favor well-connected firms and individuals, 7 = are neutral)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.07 Wastefulness of government spending

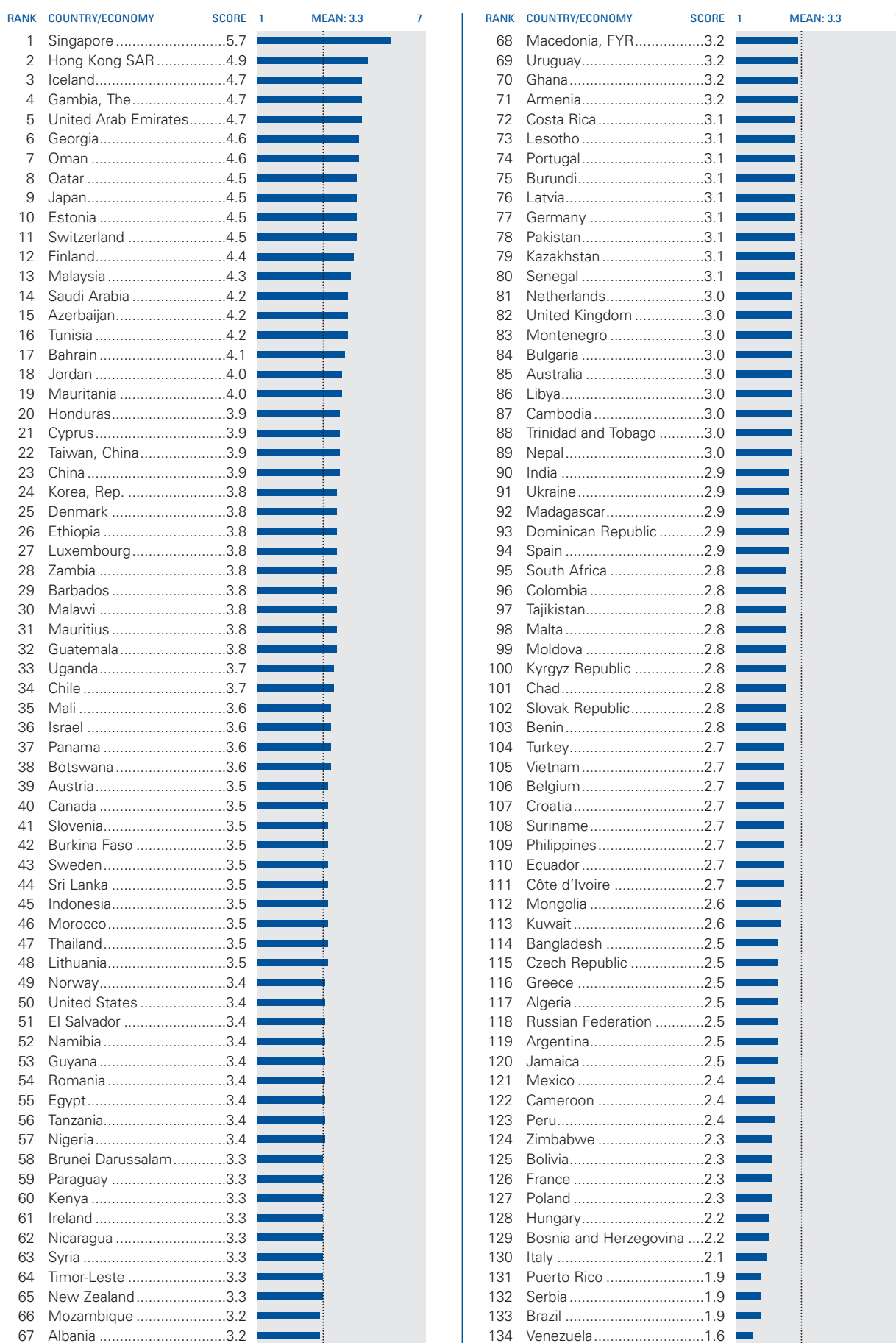
The composition of public spending in your country (1 = is wasteful, 7 = efficiently provides necessary goods and services not provided by the market)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.08 Burden of government regulation

Complying with administrative requirements (permits, regulations, reporting) issued by the government in your country is (1 = burdensome, 7 = not burdensome)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 1.09 Efficiency of legal framework

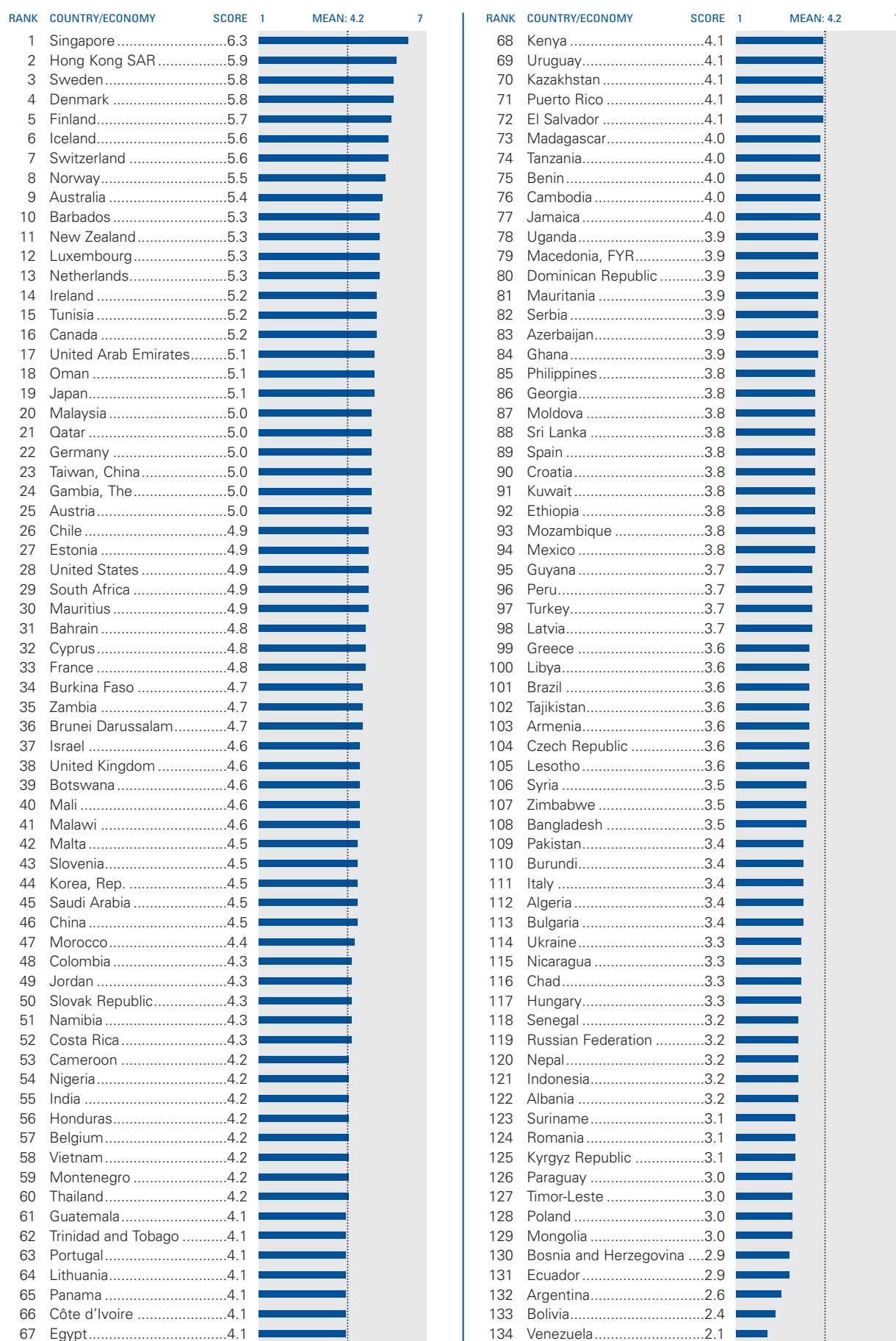
The legal framework in your country for private businesses to settle disputes and challenge the legality of government actions and/or regulations is (1 = inefficient and subject to manipulation, 7 = efficient and follows a clear, neutral process)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7
1	Denmark	6.3				68	Montenegro	3.6			
2	Singapore	6.2				69	Syria	3.5			
3	Switzerland	6.0				70	Benin	3.5			
4	Germany	6.0				71	Greece	3.5			
5	Finland	6.0				72	Nigeria	3.5			
6	Norway	6.0				73	Lithuania	3.5			
7	Sweden	6.0				74	Trinidad and Tobago	3.4			
8	Austria	5.9				75	Burkina Faso	3.4			
9	Netherlands	5.7				76	Honduras	3.4			
10	Australia	5.7				77	Ethiopia	3.4			
11	Hong Kong SAR	5.7				78	Tanzania	3.4			
12	New Zealand	5.7				79	Latvia	3.3			
13	Iceland	5.7				80	Uganda	3.3			
14	Canada	5.7				81	Hungary	3.3			
15	Luxembourg	5.5				82	Turkey	3.3			
16	France	5.5				83	Suriname	3.2			
17	Japan	5.3				84	Kenya	3.2			
18	United Kingdom	5.3				85	Jamaica	3.2			
19	Barbados	5.3				86	Czech Republic	3.2			
20	South Africa	5.2				87	Romania	3.2			
21	Malaysia	5.2				88	Croatia	3.1			
22	Ireland	5.2				89	Senegal	3.1			
23	Cyprus	5.0				90	Algeria	3.1			
24	Qatar	5.0				91	Cambodia	3.1			
25	Tunisia	4.9				92	Timor-Leste	3.1			
26	United Arab Emirates	4.9				93	Madagascar	3.0			
27	Oman	4.9				94	Pakistan	3.0			
28	United States	4.9				95	El Salvador	3.0			
29	Jordan	4.8				96	Panama	3.0			
30	Chile	4.8				97	Armenia	3.0			
31	Estonia	4.8				98	Brazil	3.0			
32	Namibia	4.8				99	Guatemala	3.0			
33	Botswana	4.7				100	Georgia	3.0			
34	Mauritius	4.7				101	Mozambique	3.0			
35	Belgium	4.7				102	Serbia	3.0			
36	Kuwait	4.6				103	Slovak Republic	3.0			
37	Malta	4.5				104	Philippines	2.9			
38	Korea, Rep.	4.5				105	Lesotho	2.9			
39	Puerto Rico	4.5				106	Nepal	2.9			
40	Gambia, The	4.5				107	Russian Federation	2.9			
41	Saudi Arabia	4.5				108	Moldova	2.9			
42	India	4.4				109	Poland	2.9			
43	Spain	4.4				110	Mauritania	2.9			
44	Ghana	4.3				111	Mexico	2.9			
45	Costa Rica	4.2				112	Cameroon	2.9			
46	Taiwan, China	4.2				113	Macedonia, FYR	2.9			
47	Brunei Darussalam	4.1				114	Italy	2.8			
48	Israel	4.1				115	Peru	2.8			
49	Thailand	4.1				116	Ukraine	2.8			
50	Bahrain	4.1				117	Albania	2.8			
51	Uruguay	4.0				118	Kyrgyz Republic	2.8			
52	Malawi	4.0				119	Bulgaria	2.7			
53	Slovenia	4.0				120	Dominican Republic	2.6			
54	China	3.9				121	Guyana	2.6			
55	Egypt	3.9				122	Bangladesh	2.6			
56	Vietnam	3.8				123	Burundi	2.5			
57	Sri Lanka	3.8				124	Mongolia	2.5			
58	Mali	3.7				125	Chad	2.4			
59	Zambia	3.7				126	Argentina	2.3			
60	Colombia	3.7				127	Nicaragua	2.2			
61	Libya	3.7				128	Bosnia and Herzegovina	2.1			
62	Morocco	3.7				129	Ecuador	2.1			
63	Tajikistan	3.7				130	Zimbabwe	2.1			
64	Azerbaijan	3.6				131	Bolivia	2.0			
65	Portugal	3.6				132	Côte d'Ivoire	2.0			
66	Indonesia	3.6				133	Paraguay	2.0			
67	Kazakhstan	3.6				134	Venezuela	1.5			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.10 Transparency of government policymaking

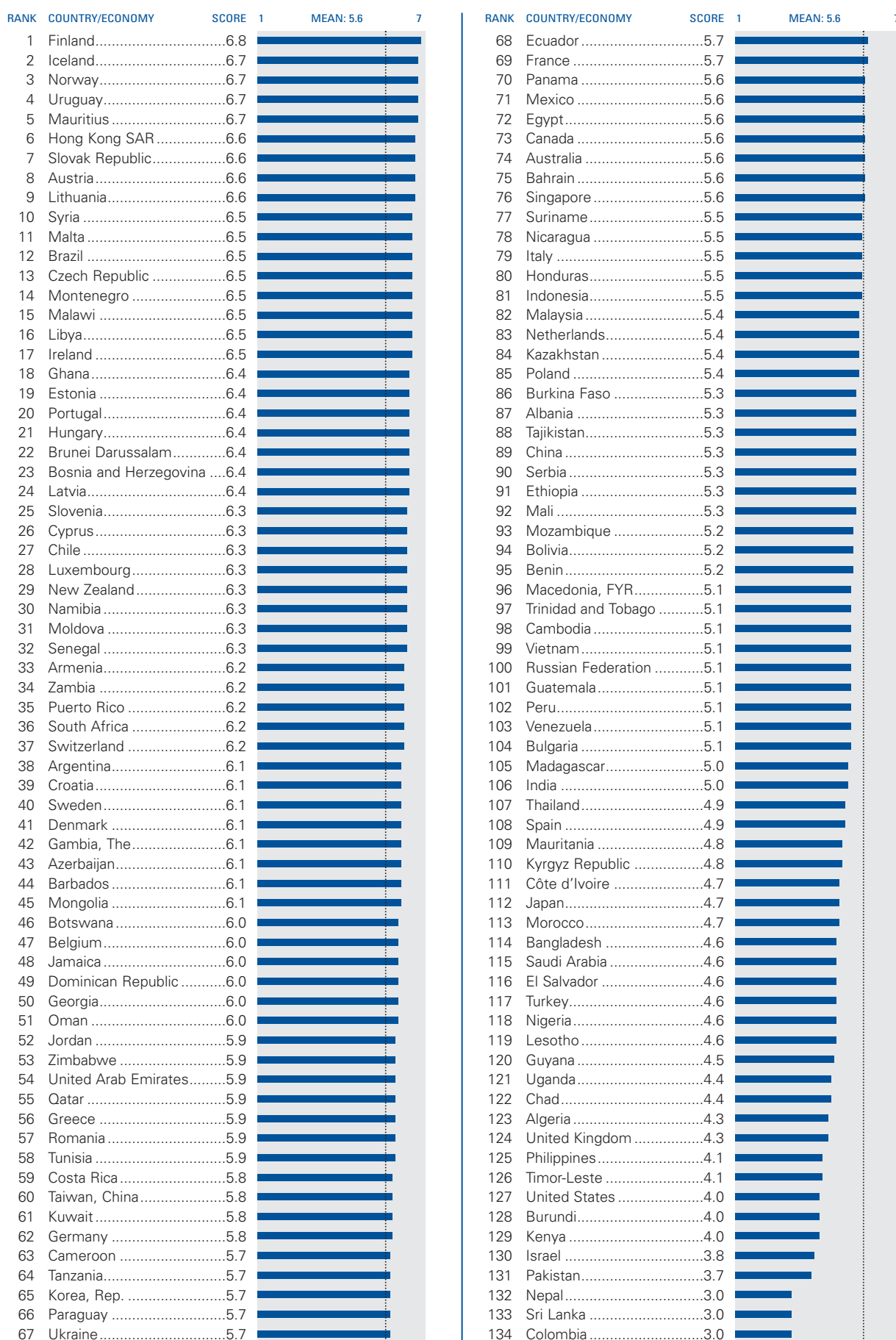
Are firms in your country usually informed clearly by the government of changes in policies and regulations affecting your industry? (1 = never informed; 7 = always informed)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.11 Business costs of terrorism

The threat of terrorism in your country (1 = imposes significant costs on businesses, 7 = does not impose significant costs on businesses)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.12 Business costs of crime and violence

The incidence of common crime and violence in your country (1 = imposes significant costs on businesses, 7 = does not impose significant costs on businesses)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.13 Organized crime

Organized crime (mafia-oriented racketeering, extortion) in your country (1 = imposes significant costs on businesses, 7 = does not impose significant costs on businesses)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 5.2	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 5.2	7
1	Norway	6.8				68	Azerbaijan	5.3			
2	Denmark	6.8				69	Mongolia	5.2			
3	Iceland	6.8				70	Panama	5.2			
4	Finland	6.7				71	India	5.2			
5	New Zealand	6.7				72	United States	5.2			
6	Syria	6.7				73	Costa Rica	5.2			
7	Malta	6.7				74	Tajikistan	5.2			
8	Singapore	6.6				75	Malaysia	5.2			
9	Libya	6.6				76	Mauritania	5.1			
10	Austria	6.6				77	Croatia	5.1			
11	Jordan	6.6				78	Nicaragua	5.1			
12	Luxembourg	6.5				79	Suriname	5.1			
13	Portugal	6.5				80	Romania	5.0			
14	Qatar	6.5				81	Japan	4.9			
15	Uruguay	6.5				82	Morocco	4.9			
16	Mauritius	6.4				83	Cambodia	4.9			
17	Brunei Darussalam	6.4				84	China	4.9			
18	Bahrain	6.4				85	Vietnam	4.8			
19	Switzerland	6.4				86	Algeria	4.8			
20	Cyprus	6.3				87	Bosnia and Herzegovina	4.8			
21	Egypt	6.3				88	Sri Lanka	4.8			
22	Sweden	6.3				89	Turkey	4.7			
23	United Arab Emirates	6.3				90	Cameroon	4.7			
24	Ireland	6.3				91	Mali	4.7			
25	Hong Kong SAR	6.3				92	Philippines	4.6			
26	Barbados	6.3				93	Ecuador	4.6			
27	Australia	6.3				94	Argentina	4.6			
28	Kuwait	6.2				95	Kazakhstan	4.6			
29	Belgium	6.2				96	Poland	4.5			
30	Latvia	6.2				97	Serbia	4.5			
31	Germany	6.2				98	Ukraine	4.5			
32	Chile	6.2				99	Peru	4.4			
33	Oman	6.0				100	Bolivia	4.4			
34	Estonia	6.0				101	Albania	4.4			
35	Greece	6.0				102	Uganda	4.4			
36	Czech Republic	5.9				103	Dominican Republic	4.3			
37	Gambia, The	5.9				104	Mozambique	4.3			
38	Canada	5.9				105	Russian Federation	4.3			
39	Lithuania	5.9				106	Burkina Faso	4.3			
40	Netherlands	5.9				107	Madagascar	4.2			
41	Slovenia	5.9				108	Benin	4.2			
42	France	5.9				109	Kyrgyz Republic	4.2			
43	Korea, Rep.	5.8				110	Bangladesh	4.2			
44	Tunisia	5.8				111	Guyana	4.2			
45	Ghana	5.7				112	Lesotho	4.2			
46	Taiwan, China	5.7				113	Macedonia, FYR	4.2			
47	Zambia	5.7				114	Pakistan	4.1			
48	Israel	5.6				115	Timor-Leste	4.1			
49	Saudi Arabia	5.6				116	Brazil	4.1			
50	Hungary	5.6				117	Honduras	4.1			
51	Tanzania	5.6				118	Kenya	4.0			
52	Puerto Rico	5.6				119	Paraguay	4.0			
53	Ethiopia	5.6				120	Bulgaria	3.8			
54	Spain	5.6				121	Burundi	3.7			
55	Zimbabwe	5.5				122	Trinidad and Tobago	3.7			
56	Senegal	5.5				123	Nigeria	3.7			
57	Botswana	5.5				124	Italy	3.6			
58	Namibia	5.5				125	Venezuela	3.6			
59	Malawi	5.5				126	South Africa	3.6			
60	Montenegro	5.5				127	Mexico	3.5			
61	Indonesia	5.4				128	Nepal	3.4			
62	Georgia	5.4				129	Colombia	3.3			
63	Thailand	5.4				130	Jamaica	3.1			
64	Slovak Republic	5.4				131	Chad	3.1			
65	Moldova	5.4				132	Guatemala	2.7			
66	United Kingdom	5.3				133	Côte d'Ivoire	2.3			
67	Armenia	5.3				134	El Salvador	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.14 Reliability of police services

Police services in your country (1 = cannot be relied upon to enforce law and order, 7 = can be relied upon to enforce law and order)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.15 Ethical behavior of firms

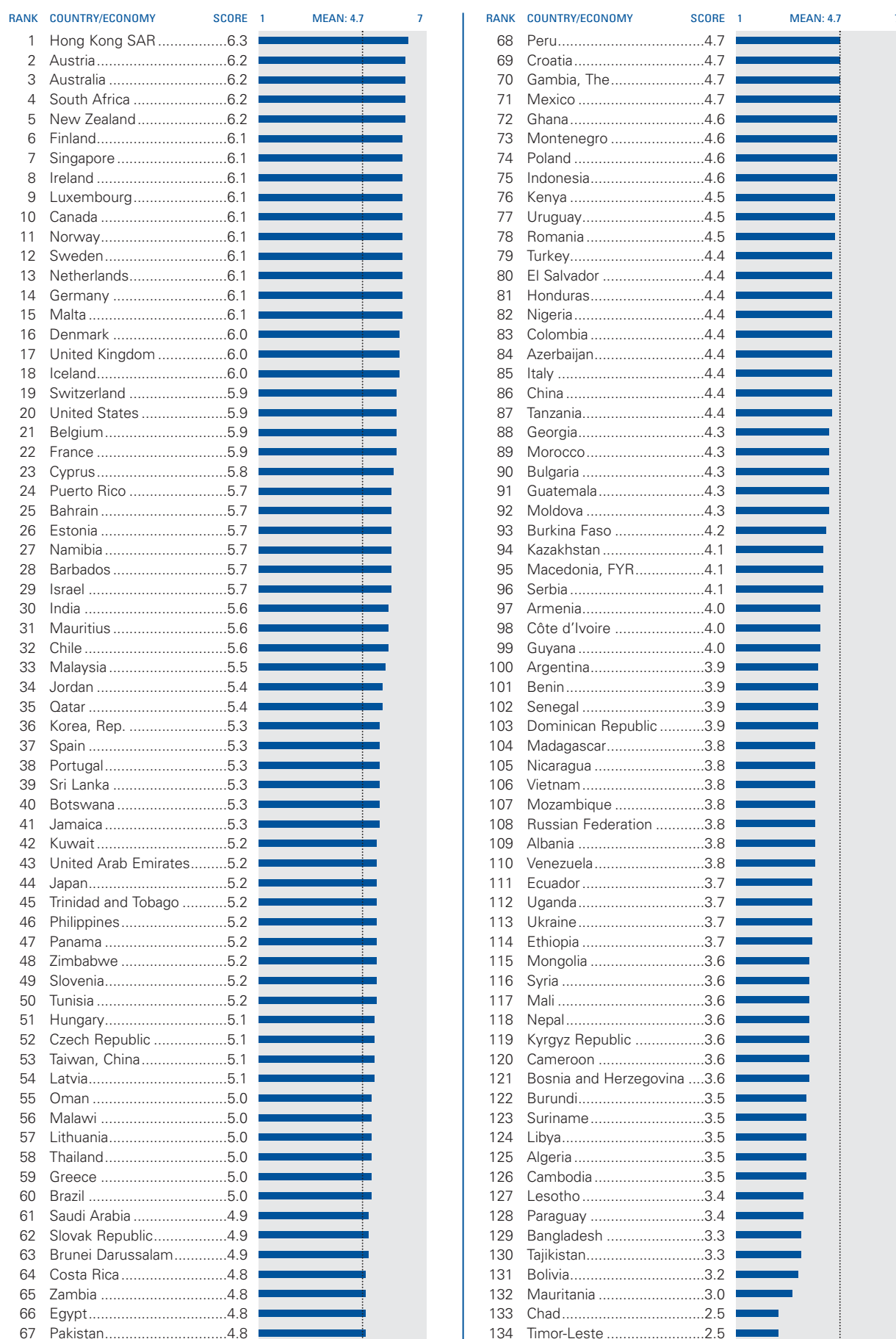
The corporate ethics (ethical behavior in interactions with public officials, politicians, and other enterprises) of firms in your country are (1 = among the worst in the world, 7 = among the best in the world)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.3	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.3	7
1	Sweden	6.6				68	Colombia	4.1			
2	Finland	6.6				69	Thailand	4.1			
3	Denmark	6.5				70	Honduras	4.0			
4	New Zealand	6.4				71	Senegal	4.0			
5	Singapore	6.4				72	El Salvador	4.0			
6	Iceland	6.4				73	Vietnam	4.0			
7	Norway	6.3				74	Mali	4.0			
8	Netherlands	6.3				75	Latvia	4.0			
9	Switzerland	6.3				76	Montenegro	4.0			
10	Australia	6.1				77	Croatia	4.0			
11	Austria	6.1				78	Italy	4.0			
12	Canada	6.0				79	Burkina Faso	3.9			
13	Hong Kong SAR	5.9				80	Tanzania	3.9			
14	Luxembourg	5.9				81	Sri Lanka	3.9			
15	Germany	5.9				82	Mexico	3.9			
16	Ireland	5.6				83	Slovak Republic	3.9			
17	United Kingdom	5.5				84	Albania	3.9			
18	United Arab Emirates	5.5				85	Georgia	3.8			
19	Barbados	5.5				86	Ethiopia	3.8			
20	Belgium	5.4				87	Jamaica	3.8			
21	Qatar	5.4				88	Benin	3.8			
22	United States	5.4				89	Brazil	3.8			
23	Chile	5.3				90	Madagascar	3.8			
24	Japan	5.3				91	Czech Republic	3.8			
25	France	5.3				92	Peru	3.8			
26	Oman	5.1				93	Hungary	3.8			
27	Korea, Rep.	5.1				94	Greece	3.8			
28	Jordan	5.1				95	Nigeria	3.8			
29	Tunisia	5.0				96	Serbia	3.7			
30	Malaysia	5.0				97	Indonesia	3.7			
31	Uruguay	5.0				98	Bulgaria	3.7			
32	Bahrain	4.9				99	Cambodia	3.7			
33	Spain	4.9				100	Algeria	3.7			
34	Botswana	4.8				101	Guyana	3.7			
35	Estonia	4.8				102	Philippines	3.7			
36	Puerto Rico	4.8				103	Kazakhstan	3.6			
37	Portugal	4.7				104	Macedonia, FYR	3.6			
38	Costa Rica	4.7				105	Suriname	3.6			
39	Saudi Arabia	4.7				106	Trinidad and Tobago	3.6			
40	Taiwan, China	4.7				107	Romania	3.6			
41	Cyprus	4.7				108	Mauritania	3.6			
42	South Africa	4.6				109	Burundi	3.5			
43	Mauritius	4.6				110	Nicaragua	3.5			
44	Malta	4.6				111	Zimbabwe	3.5			
45	Malawi	4.6				112	Russian Federation	3.5			
46	Israel	4.5				113	Tajikistan	3.5			
47	Poland	4.5				114	Uganda	3.4			
48	Kuwait	4.5				115	Armenia	3.4			
49	Gambia, The	4.5				116	Nepal	3.4			
50	Brunei Darussalam	4.5				117	Ecuador	3.3			
51	Namibia	4.5				118	Ukraine	3.3			
52	Slovenia	4.5				119	Dominican Republic	3.3			
53	Egypt	4.4				120	Argentina	3.3			
54	Lithuania	4.3				121	Moldova	3.3			
55	Syria	4.3				122	Mozambique	3.3			
56	Azerbaijan	4.3				123	Lesotho	3.3			
57	Guatemala	4.2				124	Côte d'Ivoire	3.2			
58	Turkey	4.2				125	Cameroon	3.2			
59	Panama	4.2				126	Mongolia	3.1			
60	China	4.2				127	Venezuela	3.1			
61	India	4.2				128	Kyrgyz Republic	3.1			
62	Libya	4.1				129	Timor-Leste	3.0			
63	Ghana	4.1				130	Bosnia and Herzegovina	3.0			
64	Zambia	4.1				131	Bangladesh	3.0			
65	Kenya	4.1				132	Bolivia	2.9			
66	Morocco	4.1				133	Chad	2.8			
67	Pakistan	4.1				134	Paraguay	2.8			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.16 Strength of auditing and reporting standards

Financial auditing and reporting standards regarding company financial performance in your country are (1 = extremely weak, 7 = extremely strong, the best in the world)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 1.17 Efficacy of corporate boards

Corporate governance by investors and boards of directors in your country is characterized by (1 = management has little accountability, 7 = investors and boards exert strong supervision of management decisions)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Sweden	6.1				68	Moldova	4.7			
2	Australia	5.8				69	Portugal	4.7			
3	New Zealand	5.7				70	Montenegro	4.7			
4	Finland	5.7				71	Kazakhstan	4.7			
5	Denmark	5.7				72	Cambodia	4.7			
6	Singapore	5.7				73	El Salvador	4.7			
7	Chile	5.6				74	Guyana	4.6			
8	South Africa	5.6				75	Saudi Arabia	4.6			
9	Norway	5.6				76	Romania	4.6			
10	Netherlands	5.6				77	Colombia	4.6			
11	Canada	5.6				78	Kuwait	4.6			
12	United States	5.6				79	Senegal	4.6			
13	Germany	5.6				80	Burundi	4.6			
14	Ireland	5.6				81	Azerbaijan	4.6			
15	United Kingdom	5.5				82	Mexico	4.6			
16	Switzerland	5.5				83	Madagascar	4.6			
17	Austria	5.4				84	Nicaragua	4.5			
18	Korea, Rep.	5.4				85	Vietnam	4.5			
19	Belgium	5.3				86	Honduras	4.5			
20	France	5.3				87	Tajikistan	4.5			
21	Slovak Republic	5.3				88	Hungary	4.4			
22	Luxembourg	5.3				89	Ukraine	4.4			
23	Iceland	5.3				90	China	4.4			
24	Hong Kong SAR	5.3				91	Argentina	4.4			
25	Malaysia	5.2				92	Benin	4.4			
26	Malawi	5.2				93	Egypt	4.4			
27	Indonesia	5.2				94	Uganda	4.4			
28	Japan	5.2				95	Albania	4.4			
29	Czech Republic	5.2				96	Bulgaria	4.3			
30	Puerto Rico	5.1				97	Cyprus	4.3			
31	Bahrain	5.1				98	Georgia	4.3			
32	Sri Lanka	5.1				99	Trinidad and Tobago	4.3			
33	Israel	5.1				100	Suriname	4.3			
34	Gambia, The	5.1				101	Poland	4.3			
35	Russian Federation	5.1				102	Morocco	4.3			
36	Spain	5.1				103	Croatia	4.3			
37	Ghana	5.1				104	Uruguay	4.3			
38	Lithuania	5.0				105	Cameroon	4.3			
39	Taiwan, China	5.0				106	Burkina Faso	4.3			
40	Namibia	5.0				107	Côte d'Ivoire	4.2			
41	Costa Rica	5.0				108	Mauritania	4.2			
42	Barbados	5.0				109	Syria	4.2			
43	Brunei Darussalam	5.0				110	Macedonia, FYR	4.2			
44	Zimbabwe	5.0				111	Venezuela	4.2			
45	India	4.9				112	Kyrgyz Republic	4.2			
46	Brazil	4.9				113	Ethiopia	4.1			
47	Slovenia	4.9				114	Mongolia	4.1			
48	Panama	4.9				115	Mali	4.1			
49	Mauritius	4.9				116	Dominican Republic	4.1			
50	Peru	4.9				117	Italy	4.1			
51	Estonia	4.9				118	Greece	4.1			
52	Qatar	4.9				119	Serbia	4.0			
53	Philippines	4.9				120	Mozambique	4.0			
54	Botswana	4.9				121	Ecuador	4.0			
55	Oman	4.8				122	Paraguay	4.0			
56	Zambia	4.8				123	Armenia	4.0			
57	Jordan	4.8				124	Nepal	3.9			
58	United Arab Emirates	4.8				125	Lesotho	3.9			
59	Latvia	4.8				126	Pakistan	3.8			
60	Kenya	4.8				127	Turkey	3.8			
61	Nigeria	4.8				128	Bangladesh	3.8			
62	Tunisia	4.8				129	Bosnia and Herzegovina	3.8			
63	Malta	4.8				130	Bolivia	3.8			
64	Tanzania	4.8				131	Libya	3.6			
65	Guatemala	4.8				132	Algeria	3.4			
66	Thailand	4.7				133	Timor-Leste	3.4			
67	Jamaica	4.7				134	Chad	3.2			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 1.18 Protection of minority shareholders' interests

Interests of minority shareholders in your country are (1 = not protected by law, 7 = protected by law and actively enforced)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



# Section II

## Infrastructure

## 2.01 Quality of overall infrastructure

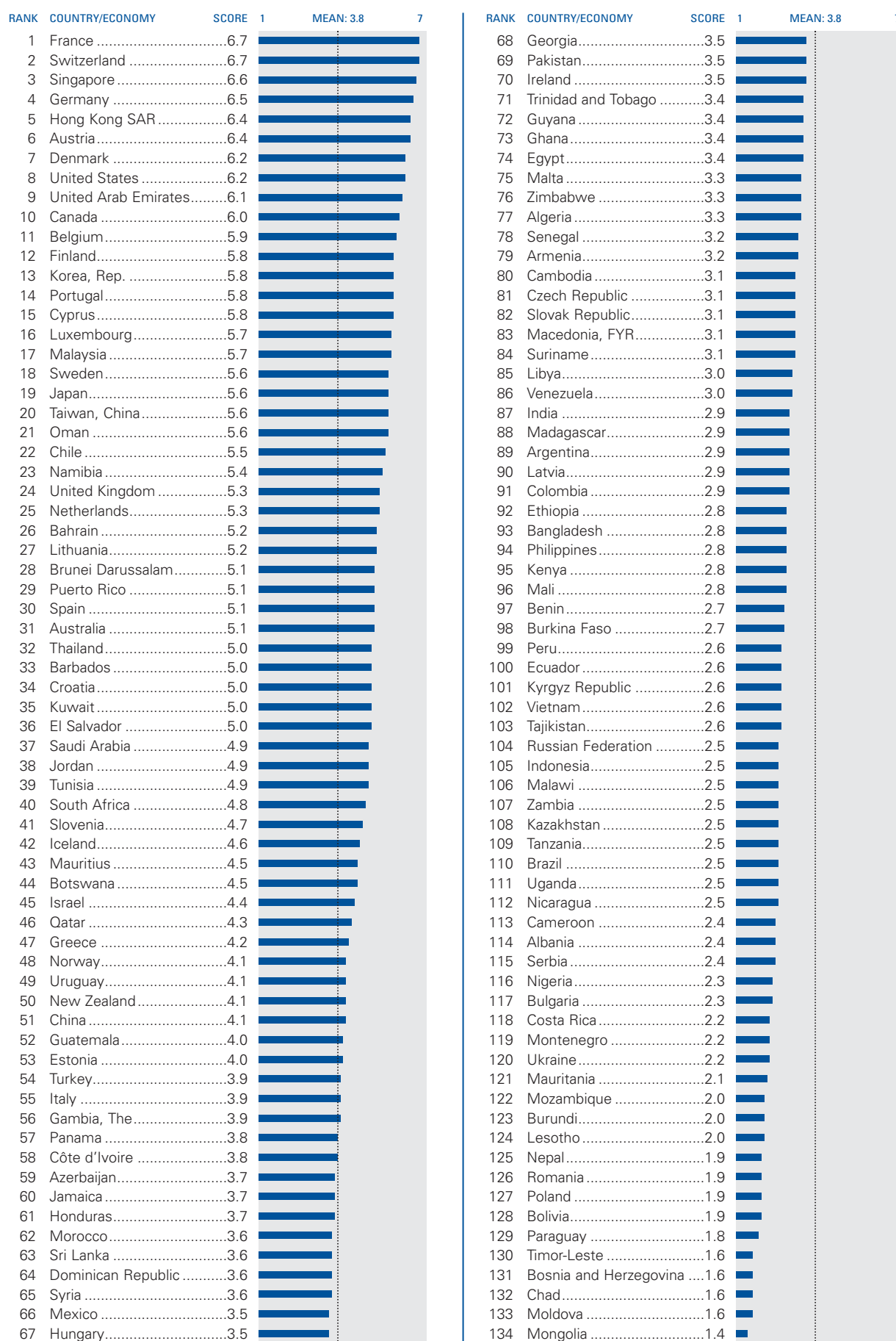
General infrastructure in your country is (1 = underdeveloped, 7 = extensive and efficient by international standards)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 2.02 Quality of roads

Roads in your country are (1 = underdeveloped, 7 = extensive and efficient by international standards)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 2.03 Quality of railroad infrastructure

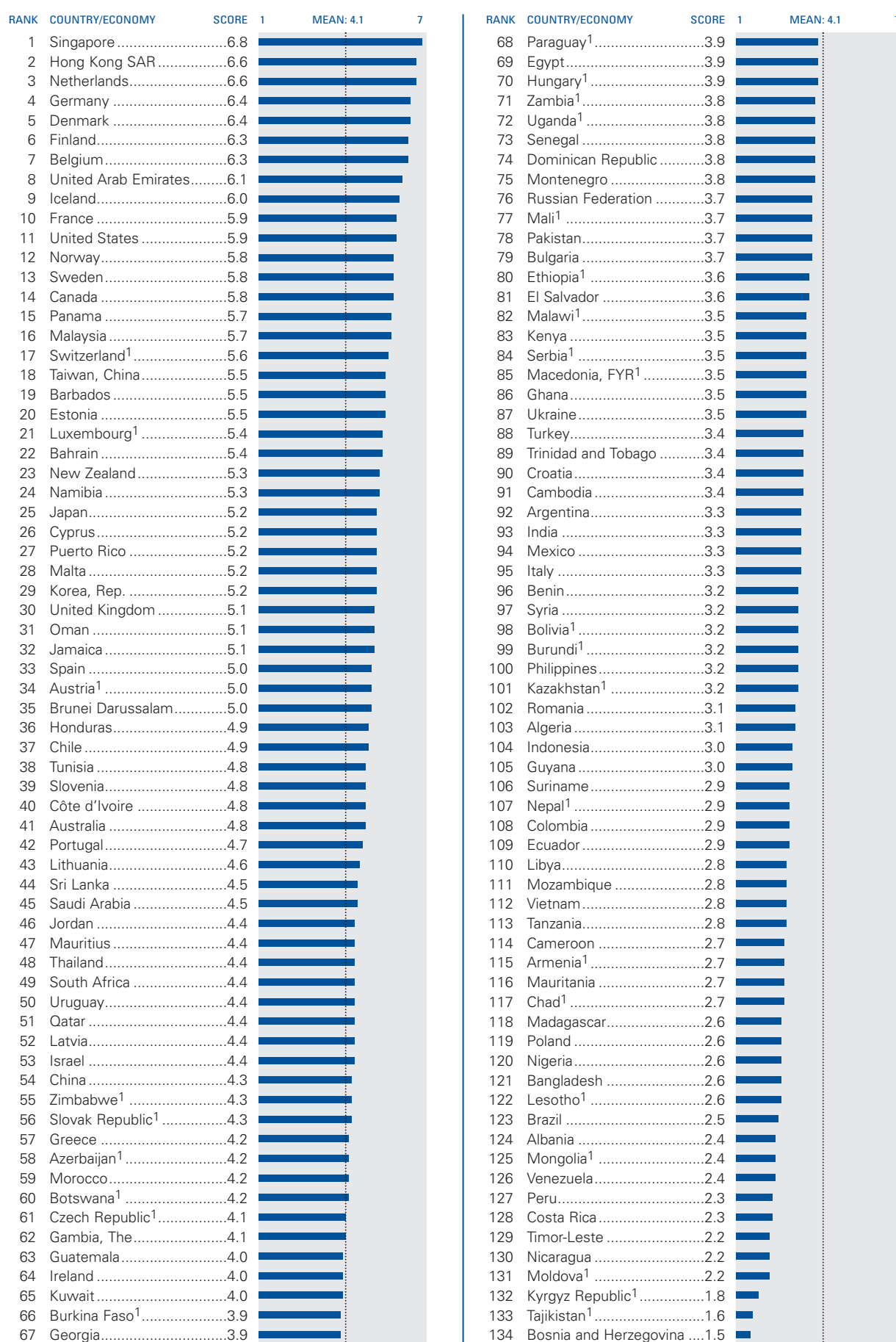
Railroads in your country are (1 = underdeveloped, 7 = extensive and efficient by international standards)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.0	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.0	7
1	Switzerland	6.8				68	Kenya	2.3			
2	France	6.6				69	Turkey	2.2			
3	Japan	6.5				70	Macedonia, FYR	2.2			
4	Germany	6.4				71	Cameroon	2.2			
5	Hong Kong SAR	6.2				72	Mexico	2.1			
6	Finland	5.8				73	Chile	2.1			
7	Korea, Rep.	5.8				74	Mongolia	2.1			
8	Belgium	5.7				75	Burkina Faso	2.1			
9	Taiwan, China	5.7				76	Argentina	2.1			
10	Singapore	5.6				77	Puerto Rico	2.0			
11	Sweden	5.5				78	Montenegro	1.9			
12	Austria	5.5				79	Tanzania	1.9			
13	Netherlands	5.5				80	Côte d'Ivoire	1.9			
14	Denmark	5.5				81	Lesotho	1.9			
15	Canada	5.4				82	Mozambique	1.8			
16	United States	5.2				83	Armenia	1.8			
17	Malaysia	5.0				84	Malawi	1.8			
18	Luxembourg	4.9				85	Philippines	1.8			
19	Spain	4.7				86	Brazil	1.8			
20	United Kingdom	4.6				87	Benin	1.8			
21	India	4.4				88	Serbia	1.8			
22	Tunisia	4.4				89	Mali	1.7			
23	Czech Republic	4.4				90	Peru	1.7			
24	Namibia	4.3				91	Jordan	1.7			
25	Portugal	4.3				92	Zambia	1.7			
26	Australia	4.2				93	Senegal	1.7			
27	Lithuania	4.1				94	Madagascar	1.7			
28	China	4.1				95	Timor-Leste	1.7			
29	Slovak Republic	4.1				96	Bolivia	1.6			
30	Ukraine	4.0				97	Cambodia	1.6			
31	Norway	4.0				98	Mauritania	1.6			
32	Russian Federation	4.0				99	Ethiopia	1.6			
33	Azerbaijan	4.0				100	Colombia	1.5			
34	Kazakhstan	3.6				101	Uruguay	1.5			
35	Latvia	3.6				102	Honduras	1.5			
36	Botswana	3.6				103	Uganda	1.5			
37	South Africa	3.5				104	Bosnia and Herzegovina	1.4			
38	Georgia	3.5				105	Venezuela	1.4			
39	Estonia	3.5				106	Suriname	1.4			
40	Israel	3.4				107	Guyana	1.4			
41	Hungary	3.4				108	Nigeria	1.4			
42	Tajikistan	3.3				109	Albania	1.3			
43	Slovenia	3.3				110	Dominican Republic	1.3			
44	New Zealand	3.2				111	Ghana	1.3			
45	Croatia	3.2				112	Nepal	1.3			
46	Sri Lanka	3.2				113	El Salvador	1.3			
47	Morocco	3.2				114	Costa Rica	1.2			
48	Thailand	3.1				115	Guatemala	1.2			
49	Syria	3.1				116	Libya	1.1			
50	Greece	3.0				117	Ecuador	1.1			
51	Ireland	3.0				118	Nicaragua	1.1			
52	Italy	3.0				119	Jamaica	1.1			
53	Pakistan	3.0				120	Paraguay	1.0			
54	Egypt	3.0				n/a	Bahrain	n/a			
55	Bulgaria	2.9				n/a	Barbados	n/a			
56	Zimbabwe	2.9				n/a	Brunei Darussalam	n/a			
57	Saudi Arabia	2.8				n/a	Burundi	n/a			
58	Indonesia	2.8				n/a	Chad	n/a			
59	Romania	2.7				n/a	Cyprus	n/a			
60	Kyrgyz Republic	2.7				n/a	Gambia, The	n/a			
61	Poland	2.6				n/a	Iceland	n/a			
62	Moldova	2.6				n/a	Kuwait	n/a			
63	Algeria	2.6				n/a	Malta	n/a			
64	Panama	2.6				n/a	Mauritius	n/a			
65	United Arab Emirates	2.5				n/a	Oman	n/a			
66	Vietnam	2.4				n/a	Qatar	n/a			
67	Bangladesh	2.3				n/a	Trinidad and Tobago	n/a			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 2.04 Quality of port infrastructure

Port facilities and inland waterways in your country are (1 = underdeveloped, 7 = extensive and efficient by international standards)\*



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

\* For landlocked countries, this measures the ease of access to port facilities and inland waterways.

<sup>1</sup> landlocked



## 2.05 Quality of air transport infrastructure

Passenger air transport in your country is (1 = underdeveloped, 7 = extensive and efficient by international standards)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Singapore	6.9				68	Kenya	4.7			
2	Hong Kong SAR	6.7				69	Honduras	4.7			
3	Germany	6.7				70	Hungary	4.7			
4	United Arab Emirates	6.6				71	Gambia, The	4.6			
5	France	6.5				72	Lithuania	4.6			
6	Switzerland	6.5				73	Montenegro	4.5			
7	Denmark	6.4				74	China	4.4			
8	Finland	6.4				75	Indonesia	4.4			
9	Netherlands	6.3				76	Albania	4.4			
10	Norway	6.3				77	Ecuador	4.3			
11	Iceland	6.3				78	Italy	4.3			
12	United States	6.3				79	Nicaragua	4.3			
13	Austria	6.2				80	Madagascar	4.3			
14	Puerto Rico	6.1				81	Croatia	4.3			
15	Belgium	6.1				82	Côte d'Ivoire	4.3			
16	Barbados	6.1				83	Pakistan	4.2			
17	Canada	6.1				84	Nigeria	4.2			
18	Sweden	6.0				85	Armenia	4.2			
19	Australia	6.0				86	Georgia	4.2			
20	Malaysia	6.0				87	Cambodia	4.2			
21	Bahrain	6.0				88	Russian Federation	4.2			
22	Qatar	6.0				89	Philippines	4.1			
23	New Zealand	6.0				90	Syria	4.1			
24	Chile	5.9				91	Ghana	4.1			
25	South Africa	5.9				92	Vietnam	3.9			
26	Korea, Rep.	5.9				93	Moldova	3.9			
27	United Kingdom	5.8				94	Peru	3.9			
28	Thailand	5.8				95	Mali	3.9			
29	Tunisia	5.8				96	Romania	3.9			
30	Panama	5.7				97	Botswana	3.8			
31	Jordan	5.7				98	Serbia	3.8			
32	Taiwan, China	5.7				99	Zambia	3.7			
33	El Salvador	5.6				100	Benin	3.7			
34	Spain	5.6				101	Brazil	3.7			
35	Malta	5.6				102	Kazakhstan	3.7			
36	Latvia	5.6				103	Poland	3.7			
37	Dominican Republic	5.6				104	Bulgaria	3.6			
38	Brunei Darussalam	5.6				105	Ukraine	3.6			
39	Israel	5.5				106	Algeria	3.5			
40	Greece	5.5				107	Burkina Faso	3.5			
41	Jamaica	5.4				108	Venezuela	3.5			
42	Mauritius	5.4				109	Slovak Republic	3.5			
43	Portugal	5.4				110	Burundi	3.5			
44	Cyprus	5.4				111	Tanzania	3.5			
45	Czech Republic	5.4				112	Tajikistan	3.5			
46	Ireland	5.3				113	Mozambique	3.5			
47	Saudi Arabia	5.3				114	Nepal	3.5			
48	Azerbaijan	5.2				115	Guyana	3.5			
49	Japan	5.1				116	Uruguay	3.4			
50	Namibia	5.1				117	Zimbabwe	3.4			
51	Estonia	5.1				118	Bangladesh	3.4			
52	Egypt	5.1				119	Uganda	3.3			
53	Guatemala	5.0				120	Kyrgyz Republic	3.1			
54	Luxembourg	5.0				121	Macedonia, FYR	3.1			
55	Turkey	5.0				122	Bolivia	3.1			
56	Mexico	5.0				123	Argentina	3.1			
57	Oman	5.0				124	Suriname	3.1			
58	Costa Rica	4.9				125	Cameroon	3.0			
59	Senegal	4.8				126	Libya	2.9			
60	Ethiopia	4.8				127	Malawi	2.9			
61	Morocco	4.8				128	Mauritania	2.9			
62	Kuwait	4.8				129	Chad	2.8			
63	Slovenia	4.8				130	Mongolia	2.7			
64	Colombia	4.8				131	Timor-Leste	2.6			
65	Sri Lanka	4.8				132	Bosnia and Herzegovina	2.6			
66	India	4.7				133	Lesotho	2.3			
67	Trinidad and Tobago	4.7				134	Paraguay	2.2			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 2.06 Available seat kilometers (hard data)

Scheduled available seat kilometers per week originating in country (in millions) | January 2008 and June 2008 average

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	United States	33,454.2	68	Hungary	145.6
2	China	7,215.1	69	Senegal	137.3
3	United Kingdom	6,546.7	70	Costa Rica	132.3
4	Japan	5,116.5	71	Jamaica	130.5
5	Germany	4,451.2	72	Algeria	126.2
6	France	3,524.9	73	Tunisia	116.9
7	Spain	3,428.2	74	Ethiopia	116.4
8	Australia	3,233.8	75	Oman	96.0
9	Canada	2,995.9	76	Barbados	91.9
10	India	2,724.9	77	Libya	87.6
11	Russian Federation	2,415.6	78	Syria	80.1
12	Brazil	2,353.9	79	Bulgaria	77.8
13	Italy	2,154.7	80	Iceland	76.8
14	United Arab Emirates	2,138.8	81	El Salvador	72.3
15	Hong Kong SAR	2,115.6	82	Ghana	71.4
16	Thailand	2,058.5	83	Latvia	58.7
17	Singapore	1,898.4	84	Nepal	58.4
18	Mexico	1,740.3	85	Trinidad and Tobago	58.2
19	Korea, Rep.	1,701.3	86	Brunei Darussalam	55.9
20	Netherlands	1,611.2	87	Tanzania	54.9
21	South Africa	1,081.5	88	Malta	54.4
22	Malaysia	1,063.4	89	Guatemala	54.1
23	Indonesia	1,030.1	90	Bolivia	53.5
24	Turkey	916.3	91	Cambodia	52.7
25	Taiwan, China	896.9	92	Croatia	49.5
26	Switzerland	814.5	93	Uganda	49.2
27	Saudi Arabia	721.8	94	Uruguay	44.3
28	New Zealand	682.4	95	Serbia	43.0
29	Philippines	666.8	96	Madagascar	42.2
30	Argentina	656.5	97	Azerbaijan	40.3
31	Portugal	630.7	98	Lithuania	39.2
32	Egypt	598.0	99	Armenia	38.6
33	Greece	546.7	100	Cameroon	35.3
34	Belgium	495.5	101	Tajikistan	34.5
35	Ireland	488.5	102	Slovak Republic	33.7
36	Qatar	464.5	103	Côte d'Ivoire	31.1
37	Puerto Rico <sup>1</sup>	461.7	104	Zambia	29.8
38	Sweden	447.6	105	Namibia	29.3
39	Chile	427.1	106	Mozambique	26.3
40	Austria	419.3	107	Honduras	25.8
41	Denmark	417.7	108	Suriname	25.7
42	Vietnam	411.7	109	Mali	23.9
43	Israel	408.4	110	Georgia	21.7
44	Norway	395.1	111	Luxembourg	21.1
45	Finland	356.8	112	Estonia	21.1
46	Colombia	350.7	113	Nicaragua	20.9
47	Pakistan	326.8	114	Kyrgyz Republic	19.1
48	Peru	325.5	115	Slovenia	18.2
49	Poland	300.8	116	Zimbabwe	17.2
50	Morocco	300.4	117	Albania	17.1
51	Dominican Republic	267.8	118	Mongolia	16.5
52	Venezuela	235.3	119	Paraguay	15.9
53	Bahrain	232.3	120	Benin	11.9
54	Kuwait	217.3	121	Moldova	11.0
55	Nigeria	213.0	122	Burkina Faso	8.9
56	Kenya	212.5	123	Montenegro	8.8
57	Czech Republic	189.6	124	Malawi	8.2
58	Ukraine	186.7	125	Macedonia, FYR	7.7
59	Mauritius	181.8	126	Chad	7.2
60	Sri Lanka	168.2	127	Guyana	7.0
61	Cyprus	163.7	128	Mauritania	6.8
62	Kazakhstan	162.1	129	Gambia, The	5.5
63	Bangladesh	159.7	130	Bosnia and Herzegovina	5.1
64	Panama	156.0	131	Botswana	2.7
65	Romania	152.9	132	Burundi	1.8
66	Jordan	151.1	133	Lesotho	0.3
67	Ecuador	146.0	n/a	Timor-Leste	n/a

SOURCE: International Air Transport Association, SRS Analyser

<sup>1</sup> 2007

## 2.07 Quality of electricity supply

The quality of the electricity supply in your country (lack of interruptions and lack of voltage fluctuations) (1 = is worse than in most other countries, 7 = meets the highest standards in the world)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.6	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.6	7
1	Denmark	6.9				68	China	4.7			
2	Finland	6.8				69	Peru	4.7			
3	Switzerland	6.8				70	Kuwait	4.7			
4	France	6.8				71	Libya	4.6			
5	Iceland	6.8				72	Sri Lanka	4.6			
6	Japan	6.7				73	Botswana	4.5			
7	Netherlands	6.7				74	Algeria	4.5			
8	Germany	6.7				75	Serbia	4.5			
9	Sweden	6.7				76	Gambia, The	4.4			
10	Norway	6.7				77	Macedonia, FYR	4.4			
11	Austria	6.7				78	Georgia	4.4			
12	Hong Kong SAR	6.7				79	Moldova	4.4			
13	Singapore	6.7				80	Ukraine	4.4			
14	Belgium	6.7				81	Kazakhstan	4.3			
15	Canada	6.6				82	Philippines	4.2			
16	United States	6.5				83	Jamaica	4.2			
17	United Arab Emirates	6.4				84	Turkey	4.2			
18	United Kingdom	6.4				85	Honduras	4.1			
19	Luxembourg	6.2				86	Syria	4.1			
20	Czech Republic	6.2				87	Mexico	4.0			
21	Korea, Rep.	6.2				88	Romania	4.0			
22	Australia	6.1				89	Armenia	4.0			
23	Barbados	6.1				90	Azerbaijan	3.9			
24	Cyprus	6.1				91	Ethiopia	3.9			
25	Portugal	6.1				92	Indonesia	3.9			
26	Qatar	6.0				93	Mozambique	3.7			
27	Slovak Republic	6.0				94	Kenya	3.7			
28	Israel	5.9				95	Bulgaria	3.7			
29	Ireland	5.9				96	Bolivia	3.6			
30	Taiwan, China	5.9				97	Lesotho	3.5			
31	Malaysia	5.8				98	Suriname	3.5			
32	Slovenia	5.8				99	Mali	3.5			
33	Tunisia	5.8				100	Venezuela	3.4			
34	Estonia	5.8				101	South Africa	3.4			
35	Saudi Arabia	5.8				102	Argentina	3.3			
36	Jordan	5.7				103	Ghana	3.2			
37	Oman	5.7				104	Vietnam	3.2			
38	Spain	5.6				105	Mauritania	3.2			
39	Lithuania	5.5				106	Burkina Faso	3.2			
40	Costa Rica	5.5				107	Ecuador	3.2			
41	Bahrain	5.5				108	India	3.2			
42	Croatia	5.5				109	Kyrgyz Republic	3.1			
43	Thailand	5.5				110	Montenegro	3.0			
44	Uruguay	5.4				111	Cameroon	2.9			
45	Brunei Darussalam	5.4				112	Zambia	2.9			
46	Latvia	5.4				113	Mongolia	2.9			
47	Mauritius	5.4				114	Guyana	2.9			
48	Italy	5.3				115	Paraguay	2.8			
49	Chile	5.3				116	Malawi	2.7			
50	Hungary	5.3				117	Cambodia	2.5			
51	Morocco	5.2				118	Senegal	2.5			
52	New Zealand	5.2				119	Burundi	2.5			
53	Egypt	5.2				120	Pakistan	2.5			
54	Poland	5.2				121	Benin	2.4			
55	Panama	5.2				122	Tanzania	2.3			
56	Colombia	5.1				123	Madagascar	2.0			
57	Namibia	5.0				124	Bangladesh	1.9			
58	Brazil	5.0				125	Uganda	1.9			
59	Malta	5.0				126	Nicaragua	1.9			
60	Bosnia and Herzegovina	5.0				127	Timor-Leste	1.8			
61	Puerto Rico	5.0				128	Albania	1.8			
62	Trinidad and Tobago	4.9				129	Zimbabwe	1.8			
63	Côte d'Ivoire	4.9				130	Nepal	1.7			
64	Guatemala	4.8				131	Tajikistan	1.7			
65	Russian Federation	4.8				132	Nigeria	1.6			
66	Greece	4.8				133	Dominican Republic	1.5			
67	El Salvador	4.8				134	Chad	1.3			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 2.08 Telephone lines (hard data)

Main telephone lines per 100 population | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Switzerland	66.9	68	Mexico	18.3
2	Germany	65.9	69	Suriname	18.0
3	Canada	64.5	70	Colombia	17.0
4	Taiwan, China	63.6	71	Malaysia	16.8
5	Iceland	63.5	72	Syria	16.6
6	Sweden	59.5	73	Saudi Arabia	15.7
7	Denmark	56.9	74	Venezuela	15.5
8	United Kingdom	56.1	75	Panama	14.9
9	France	55.8	76	El Salvador	14.8
10	United States	55.6	77	Guyana <sup>1</sup>	14.7
11	Greece	55.4	78	Libya <sup>1</sup>	14.6
12	Hong Kong SAR	53.9	79	Egypt	14.3
13	Luxembourg	52.4	80	Azerbaijan	14.0
14	Barbados <sup>1</sup>	50.1	81	Ecuador	13.1
15	Malta	50.0	82	Jamaica	12.8
16	Ireland	49.9	83	Georgia	12.5
17	Korea, Rep.	49.8	84	Tunisia	12.4
18	Australia	48.8	85	Albania <sup>1</sup>	11.3
19	Cyprus	48.3	86	Thailand	10.9
20	Italy	46.3	87	Jordan	10.5
21	Spain	45.8	88	Guatemala	10.5
22	Netherlands	45.6	89	Oman	10.3
23	Belgium	45.3	90	Dominican Republic	9.9
24	Norway	44.3	91	South Africa	9.9
25	New Zealand	44.1	92	Honduras	9.7
26	Israel	43.9	93	Sri Lanka	9.0
27	Austria	43.4	94	Kyrgyz Republic	8.6
28	Japan	43.0	95	Algeria	8.5
29	Slovenia	42.6	96	Peru	8.5
30	Singapore	42.3	97	Botswana	7.5
31	Portugal	40.2	98	Bolivia	7.1
32	Croatia	40.1	99	Namibia	6.6
33	Serbia	38.9	100	Indonesia	6.6
34	Finland	36.3	101	Mongolia	5.9
35	Estonia	34.1	102	Paraguay	5.3
36	Hungary	33.4	103	Nicaragua	4.4
37	Vietnam <sup>1</sup>	32.2	104	Tajikistan <sup>1</sup>	4.3
38	Bulgaria	31.3	105	Philippines	4.3
39	Russian Federation	30.8	106	Morocco	4.1
40	Costa Rica	30.2	107	India	3.6
41	Poland	29.8	108	Pakistan	3.3
42	Latvia	28.6	109	Gambia, The	3.0
43	Mauritius	28.5	110	Lesotho	3.0
44	Uruguay	28.3	111	Zimbabwe	2.6
45	Czech Republic	28.3	112	Senegal	2.4
46	United Arab Emirates	28.1	113	Nepal	2.2
47	China	27.8	114	Ghana	1.6
48	Montenegro <sup>1</sup>	27.6	115	Côte d'Ivoire	1.4
49	Qatar	27.2	116	Nigeria	1.3
50	Ukraine	26.8	117	Mauritania	1.1
51	Bahrain	26.3	118	Malawi	1.0
52	Puerto Rico <sup>1</sup>	26.2	119	Ethiopia	0.9
53	Turkey	25.4	120	Benin	0.9
54	Bosnia and Herzegovina	25.3	121	Kenya	0.8
55	Trinidad and Tobago	24.9	122	Zambia	0.8
56	Moldova	24.3	123	Cameroon	0.8
57	Argentina	24.2	124	Bangladesh	0.8
58	Macedonia, FYR	24.1	125	Burkina Faso	0.7
59	Lithuania	23.2	126	Madagascar	0.7
60	Slovak Republic	21.6	127	Mali	0.6
61	Brunei Darussalam	21.0	128	Burundi	0.4
62	Brazil	20.5	129	Tanzania	0.4
63	Chile	20.2	130	Uganda	0.4
64	Kazakhstan	19.8	131	Mozambique	0.3
65	Armenia <sup>1</sup>	19.7	132	Cambodia	0.2
66	Romania	19.4	133	Chad	0.1
67	Kuwait	18.7	n/a	Timor-Leste	n/a

SOURCE: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

<sup>1</sup> 2005



## Section III

# Macroeconomic stability

### 3.01 Government surplus/deficit (hard data)

Central government gross surplus/deficit as a percentage of GDP | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Kuwait .....	43.8	68	Uruguay .....	-0.5
2	Libya .....	40.2	69	Colombia .....	-0.7
3	United Arab Emirates .....	28.8	70	Austria .....	-0.8
4	Norway .....	16.9	71	Cambodia .....	-0.8
5	Brunei Darussalam .....	16.2	72	Israel .....	-0.8
6	Oman .....	13.7	73	Mali .....	-1.0
7	Saudi Arabia .....	12.6	74	Puerto Rico .....	-1.1
8	Algeria .....	11.4	75	Guatemala .....	-1.2
9	Singapore .....	9.1	75	Lithuania .....	-1.2
10	Chile .....	8.7	75	Turkey .....	-1.2
11	Lesotho .....	7.7	78	Ukraine .....	-1.3
12	Hong Kong SAR .....	7.2	79	Bosnia and Herzegovina .....	-1.4
13	Botswana .....	7.1	79	Venezuela .....	-1.4
14	Qatar .....	7.0	81	Malawi .....	-1.5
15	Nigeria .....	5.6	82	Czech Republic .....	-1.6
16	Finland .....	5.3	83	Kenya .....	-1.7
17	Iceland .....	5.2	84	Indonesia .....	-1.8
18	Bahrain .....	5.2	84	Zambia .....	-1.8
19	Russian Federation .....	5.1	86	Italy .....	-1.9
20	Denmark .....	4.5	86	Vietnam .....	-1.9
21	Cameroon .....	4.5	88	Benin .....	-2.0
22	Ecuador .....	3.6	88	Poland .....	-2.0
22	Suriname .....	3.6	90	Slovak Republic .....	-2.2
24	Bulgaria .....	3.5	91	Brazil .....	-2.2
25	New Zealand .....	3.5	92	Barbados .....	-2.3
26	Sweden .....	3.2	92	Croatia .....	-2.3
27	Peru .....	3.1	94	Honduras .....	-2.3
28	Montenegro .....	3.0	95	France .....	-2.4
29	Estonia .....	2.8	96	Thailand .....	-2.4
30	Korea, Rep. ....	2.7	97	United States .....	-2.5
31	Azerbaijan .....	2.4	98	Romania .....	-2.5
32	Spain .....	2.2	99	Greece .....	-2.7
33	Mongolia .....	2.2	100	Malta .....	-2.7
34	Switzerland .....	2.2	101	Mauritania .....	-2.8
35	Namibia .....	1.9	101	Uganda .....	-2.8
36	Gambia, The .....	1.8	103	Armenia .....	-2.9
37	Bolivia .....	1.7	104	Portugal .....	-3.0
38	Cyprus .....	1.4	105	United Kingdom .....	-3.0
39	Panama .....	1.2	106	Ethiopia .....	-3.1
40	Luxembourg .....	1.1	106	Nicaragua .....	-3.1
41	Argentina .....	1.1	106	Tunisia .....	-3.1
42	Paraguay .....	1.0	109	Malaysia .....	-3.2
42	Trinidad and Tobago .....	1.0	110	Japan .....	-3.4
44	Canada .....	1.0	111	Morocco .....	-3.4
45	Australia .....	0.9	112	Madagascar .....	-3.5
46	Taiwan, China .....	0.9	113	Albania .....	-3.8
47	Chad .....	0.8	114	Nepal .....	-4.0
47	South Africa .....	0.8	115	Mauritius .....	-4.3
49	Burundi .....	0.7	116	Bangladesh .....	-4.4
49	China .....	0.7	117	Tanzania .....	-4.5
51	Costa Rica .....	0.6	118	Pakistan .....	-4.6
52	Macedonia, FYR .....	0.6	119	Georgia .....	-4.7
52	Netherlands .....	0.6	120	Mozambique .....	-5.1
54	Serbia .....	0.5	121	Syria .....	-5.3
55	Ireland .....	0.5	122	Jordan .....	-5.4
56	Côte d'Ivoire .....	0.3	123	Hungary .....	-5.5
57	Dominican Republic .....	0.1	123	Jamaica .....	-5.5
58	Germany .....	0.0	123	Senegal .....	-5.5
59	Kazakhstan .....	0.0	126	Egypt .....	-5.7
59	Latvia .....	0.0	127	India .....	-6.0
59	Mexico .....	0.0	128	Burkina Faso .....	-6.0
62	Slovenia .....	-0.1	128	Tajikistan .....	-6.0
63	Belgium .....	-0.1	130	Sri Lanka .....	-6.7
64	Philippines .....	-0.2	131	Ghana .....	-8.2
65	El Salvador .....	-0.3	132	Guyana .....	-9.1
65	Moldova .....	-0.3	133	Zimbabwe .....	-24.6
67	Kyrgyz Republic .....	-0.4	n/a	Timor-Leste .....	n/a

SOURCE: IMF, *World Economic Outlook Database* (April 2008); IMF country reports; European Central Bank; European Bank for Reconstruction and Development; African Development Bank; Economist Intelligence Unit, *CountryData Database* (June 2008); national sources

## 3.02 National savings rate (hard data)

National savings rate as a percentage of GDP | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Kuwait	67.5	68	Slovak Republic	21.9
2	Azerbaijan	59.9	69	Australia	21.6
3	Qatar	57.9	70	Egypt	21.5
4	Algeria	53.7	71	Turkey	21.4
5	China	52.2	72	Spain	21.2
6	Singapore	51.3	73	France	20.4
7	Lesotho	49.2	74	Mexico	20.4
8	Namibia	45.2	75	Ireland	20.3
9	Nigeria	44.9	76	Jamaica	20.2
10	Saudi Arabia	44.3	77	Ghana	20.1
11	Mongolia <sup>2</sup>	44.0	78	Poland	20.0
12	Libya	43.9	79	Estonia	19.9
13	Botswana	41.2	80	Costa Rica	19.8
14	United Arab Emirates	40.4	81	Colombia	19.7
15	Brunei Darussalam	39.8	82	Italy	19.3
16	Norway	38.9	83	Macedonia, FYR	19.3
17	Malaysia	37.5	84	Philippines	19.1
18	Switzerland	37.1	85	Ukraine	18.8
19	India	35.4	86	Brazil	18.1
20	Hong Kong SAR	34.7	87	Panama <sup>2</sup>	17.5
21	Suriname	33.4	88	Cameroon	17.3
22	Trinidad and Tobago	33.2	89	Ethiopia	17.2
23	Thailand	32.9	90	Gambia, The	17.0
24	Senegal	32.1	91	Pakistan	16.9
25	Mauritius	31.0	91	Zimbabwe	16.9
26	Oman	30.8	93	Cambodia	16.8
27	Russian Federation	30.6	94	Kenya	16.7
28	Vietnam	30.6	95	Hungary	16.2
29	Korea, Rep.	30.0	96	Lithuania	15.8
30	Bahrain	29.9	97	New Zealand	15.7
31	Taiwan, China	29.5	98	Bulgaria	15.2
32	Venezuela	29.0	99	Côte d'Ivoire <sup>2</sup>	14.5
33	Luxembourg	29.0	100	Guatemala <sup>2</sup>	14.4
34	Ecuador	28.9	101	Uruguay	14.3
35	Mauritania <sup>2</sup>	28.7	102	South Africa	14.1
36	Finland	28.6	103	Madagascar	14.0
37	Japan	28.6	104	Romania	13.8
38	Armenia	28.3	105	Montenegro <sup>2</sup>	13.7
39	Nepal <sup>2</sup>	28.2	106	United Kingdom	13.6
40	Indonesia	27.4	107	United States	13.6
41	Argentina	27.2	108	Latvia	13.6
42	Bangladesh	27.1	109	Nicaragua <sup>2</sup>	13.3
43	Peru	27.1	110	Albania	13.2
44	Bolivia	26.8	111	Georgia	13.1
45	Sweden	26.7	112	Malta	13.0
46	Slovenia	26.6	113	Mali <sup>2</sup>	13.0
47	Netherlands	26.3	114	Burundi	12.8
48	Kazakhstan	25.9	115	Jordan	12.5
49	Guyana	25.8	116	Portugal	12.3
50	Morocco	25.6	117	Cyprus	12.2
51	Chile	25.5	118	Dominican Republic	12.1
52	Zambia	25.3	119	Greece	12.0
53	Austria	25.0	120	Iceland	11.7
54	Sri Lanka	24.9	121	Benin	11.5
55	Croatia	24.8	122	Mozambique	11.1
56	Denmark	24.7	123	Chad	10.5
57	Paraguay	24.6	124	Burkina Faso	9.9
58	Czech Republic	24.5	125	Serbia <sup>2</sup>	9.7
59	Uganda	24.0	126	El Salvador	9.4
60	Germany	23.8	127	Barbados <sup>1</sup>	9.3
61	Canada	23.7	128	Tanzania	8.6
62	Honduras	23.5	129	Puerto Rico	8.2
63	Belgium	23.3	130	Bosnia and Herzegovina <sup>2</sup>	6.8
63	Syria	23.3	131	Tajikistan	3.9
65	Israel	23.0	132	Kyrgyz Republic	-2.6
66	Moldova	22.4	133	Malawi	-6.6
67	Tunisia	22.2	n/a	Timor-Leste	n/a

SOURCE: IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (June 2008); The World Bank, *World Development Indicators 2008*; national sources

<sup>1</sup> 2005 <sup>2</sup> 2006



### 3.03 Inflation (hard data)

Annual percent change in consumer price index | 2007 average

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Chad	-8.8	68	Nigeria	5.5
2	Burkina Faso	-0.2	69	Barbados	5.5
3	Japan	0.0	69	Oman	5.5
4	Brunei Darussalam	0.4	71	Colombia	5.5
5	Israel	0.5	72	Lithuania	5.8
6	Malta	0.7	73	Senegal	5.9
7	Norway	0.8	74	Cambodia	5.9
8	Switzerland	0.9	75	Dominican Republic	6.1
9	Cameroon	0.9	76	Puerto Rico	6.3
10	Bosnia and Herzegovina	1.3	77	India	6.4
11	Netherlands	1.6	78	Nepal	6.4
12	Finland	1.6	79	Indonesia	6.4
13	France	1.6	80	Suriname	6.4
14	Sweden	1.7	81	Estonia	6.6
15	Denmark	1.7	82	Libya	6.7
16	Peru	1.8	83	Namibia	6.7
17	Taiwan, China	1.8	84	Serbia	6.8
18	Belgium	1.8	84	Uganda	6.8
19	Benin	2.0	86	Guatemala	6.8
20	Hong Kong SAR	2.0	87	Honduras	6.9
21	Italy	2.0	88	Syria	7.0
22	Morocco	2.0	89	Tanzania	7.0
23	Côte d'Ivoire	2.1	90	Botswana	7.1
24	Singapore	2.1	91	South Africa	7.1
25	Malaysia	2.1	92	Mauritania	7.3
26	Canada	2.1	93	Bulgaria	7.6
27	Cyprus	2.2	94	Timor-Leste	7.8
28	Macedonia, FYR	2.2	95	Pakistan	7.8
29	Austria	2.2	96	Trinidad and Tobago	7.9
30	Thailand	2.2	97	Mozambique	7.9
31	Ecuador	2.2	98	Hungary	7.9
32	Germany	2.3	99	Lesotho	8.0
33	Luxembourg	2.3	100	Malawi	8.1
34	Australia	2.3	101	Paraguay	8.1
35	United Kingdom	2.3	101	Uruguay	8.1
36	New Zealand	2.4	103	Vietnam	8.3
37	Portugal	2.4	104	Bangladesh	8.4
38	Poland	2.5	105	Burundi	8.4
39	Mali	2.5	106	Bolivia	8.7
40	Korea, Rep.	2.5	107	Turkey	8.8
41	Slovak Republic	2.8	108	Argentina	8.8
42	Philippines	2.8	109	Russian Federation	9.0
43	Czech Republic	2.8	110	Mongolia	9.0
44	Spain	2.8	111	Georgia	9.2
45	United States	2.9	112	Jamaica	9.3
46	Croatia	2.9	113	Costa Rica	9.4
47	Albania	2.9	114	Ghana	9.6
48	Ireland	3.0	115	Kenya	9.8
49	Greece	3.0	116	Latvia	10.1
50	Tunisia	3.1	117	Kyrgyz Republic	10.2
51	Bahrain	3.4	118	Madagascar	10.3
52	Montenegro	3.4	119	Zambia	10.7
53	Slovenia	3.6	120	Mauritius	10.7
54	Brazil	3.6	121	Kazakhstan	10.8
55	Algeria	3.7	122	Egypt	11.0
56	El Salvador	3.9	123	United Arab Emirates	11.0
57	Mexico	4.0	124	Nicaragua	11.1
58	Saudi Arabia	4.1	125	Guyana	12.2
59	Panama	4.2	126	Moldova	12.6
60	Chile	4.4	127	Ukraine	12.8
61	Armenia	4.4	128	Tajikistan	13.2
62	China	4.8	129	Qatar	13.8
63	Romania	4.8	130	Azerbaijan	16.6
64	Kuwait	5.0	131	Ethiopia	17.0
65	Gambia, The	5.0	132	Venezuela	18.7
66	Iceland	5.0	133	Sri Lanka	19.7
67	Jordan	5.4	134	Zimbabwe	10,452.6

SOURCE: IMF, *World Economic Outlook Database* (April 2008); national sources

Note that the ranking in this table is shown for presentational purposes only, as the GCI takes account of the fact that both high inflation and deflation are detrimental. See the appendix of Chapter 1.1 for further details on how the inflation variable is entered into the GCI calculation.

## 3.04 Interest rate spread (hard data)

Average interest rate spread (difference between typical lending and deposit rates) | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Switzerland	1.0	68	Australia	5.4
2	Japan	1.1	69	India	5.6
3	Korea, Rep.	1.4	70	Barbados <sup>1</sup>	5.7
4	Lithuania	1.5	71	Nepal <sup>1</sup>	5.8
5	Finland	1.5	72	Ukraine	5.8
6	United Kingdom	1.7	73	Côte d'Ivoire	5.8
7	Norway	1.8	74	Indonesia	5.9
8	Estonia	2.1	75	Trinidad and Tobago	6.0
9	Luxembourg	2.2	76	Spain	6.0
10	Germany	2.2	77	Algeria	6.3
11	Taiwan, China	2.2	78	Ghana	6.3
12	Hungary	2.3	79	Bulgaria	6.3
13	Sweden	2.3	80	Venezuela	6.4
14	Malta	2.4	81	Egypt	6.4
15	Austria	2.4	82	Costa Rica	6.4
16	United Arab Emirates	2.5	83	Uruguay	6.6
17	Puerto Rico	2.8	84	Romania	6.6
17	United States	2.8	85	Nigeria	6.7
19	Israel	2.8	86	Bangladesh	6.8
20	Poland	3.0	87	Pakistan	6.9
20	Syria	3.0	88	Nicaragua	7.0
22	Qatar	3.0	89	Croatia	7.0
23	Chile	3.1	90	Serbia	7.1
24	Argentina	3.1	91	Morocco	7.2
25	Kuwait	3.1	92	Tanzania	7.3
26	El Salvador	3.1	93	Suriname	7.4
27	Belgium	3.1	94	Colombia	7.4
28	Oman	3.2	95	Azerbaijan	7.6
29	Denmark	3.2	96	Botswana	7.6
30	Jordan	3.2	97	Mozambique	7.6
31	Malaysia	3.2	98	Lesotho	7.7
32	Cyprus	3.3	99	Sri Lanka	8.0
33	China	3.4	100	Burundi	8.0
34	Slovenia	3.5	101	Guatemala	8.1
35	Panama	3.5	102	Iceland	8.1
36	Libya	3.5	103	Kenya	8.2
37	France	3.5	104	Italy	8.3
38	Bosnia and Herzegovina	3.6	105	Albania	8.4
39	Tunisia	3.7	106	Honduras	8.8
39	Vietnam	3.7	107	Dominican Republic	8.9
41	Greece	3.8	108	Bolivia	9.3
42	Moldova	3.8	109	Benin	9.5
43	Bahrain	3.9	110	Zambia	9.7
44	Saudi Arabia	4.0	111	Uganda	9.8
45	South Africa	4.0	112	Jamaica	10.1
46	Canada	4.0	113	Mauritius	10.1
47	Mongolia	4.1	114	Cameroon	10.8
48	Thailand	4.2	114	Chad	10.8
49	Portugal	4.2	116	Georgia	10.9
50	Slovak Republic	4.3	117	Armenia	11.3
51	Hong Kong SAR	4.3	118	Mali	11.5
52	Brunei Darussalam	4.3	118	Senegal	11.5
53	Montenegro	4.3	120	Guyana	12.1
54	Mexico	4.4	121	Timor-Leste	14.3
55	Turkey	4.4	122	Cambodia	14.3
56	Czech Republic	4.5	123	Tajikistan	14.7
57	Ethiopia	4.5	124	Gambia, The	15.0
58	Ecuador	4.7	125	Mauritania	15.5
59	Singapore	4.8	126	Peru	19.6
60	Netherlands	4.8	127	Kyrgyz Republic	19.9
61	Latvia	4.8	128	Paraguay	20.0
62	Russian Federation	4.9	129	Malawi	21.7
63	Ireland	4.9	130	Madagascar	28.5
64	Philippines	5.0	131	Brazil	33.1
65	New Zealand	5.0	132	Zimbabwe	75.0
66	Namibia	5.3	n/a	Burkina Faso	n/a
67	Macedonia, FYR	5.4	n/a	Kazakhstan	n/a

SOURCE: IMF, *International Financial Statistics*; Economist Intelligence Unit, *CountryData Database* (June 2008); *World Development Indicators 2008*; national sources

<sup>1</sup> 2006

### 3.05 Government debt (hard data)

Government gross debt as a percentage of GDP | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Brunei Darussalam	0.0	68	Turkey	39.4
1	Timor-Leste	0.0	69	Croatia	39.6
3	Hong Kong SAR	1.2	69	Ghana	39.6
4	Botswana	2.7	71	Serbia	40.0
5	Estonia	2.9	72	Kenya	40.5
6	Oman	3.8	73	Finland	41.0
7	Chile	4.1	74	Malaysia	41.6
8	Libya	4.7	75	Spain	42.6
9	Kuwait	7.8	76	Vietnam	42.8
10	Azerbaijan	9.4	77	United Kingdom	43.0
11	Russian Federation	9.5	78	Ethiopia	43.2
12	Latvia	9.7	79	Bolivia	44.5
13	Kazakhstan	10.7	80	Poland	45.2
14	United Arab Emirates	10.9	81	Costa Rica	46.6
15	Luxembourg	11.3	82	Nepal	46.7
16	Qatar	11.7	83	Mongolia	46.8
17	Romania	12.5	84	Sweden	46.9
18	Ukraine	13.4	85	Brazil	47.0
19	Cameroon	15.4	86	Puerto Rico	47.7
20	Australia	15.4	87	Lesotho	49.4
21	Lithuania	17.3	88	Gambia, The	49.9
22	China	18.4	89	Malawi	51.3
23	Algeria	19.0	90	Netherlands	51.4
24	Senegal	19.4	91	Panama	52.8
25	Tanzania	19.7	92	Colombia	53.5
26	Armenia	20.0	93	Pakistan	53.9
27	Uganda	20.6	94	Albania	54.3
28	Bulgaria	20.8	95	Tunisia	55.4
28	Guatemala	20.8	96	Philippines	55.8
30	Dominican Republic	21.1	97	Argentina	56.1
31	Suriname	21.3	98	Kyrgyz Republic	56.4
32	Namibia	21.8	99	Switzerland	56.8
33	Mozambique	22.2	100	Mauritius	57.0
34	Mexico	22.7	101	Cyprus	59.8
35	Saudi Arabia	23.3	102	United States	60.8
36	Georgia	23.4	103	Austria	61.3
37	Slovenia	24.1	104	Malta	62.6
38	Chad	24.1	105	Germany	63.2
39	Iceland	24.3	106	France	64.0
40	Korea, Rep.	24.6	107	Canada	68.5
41	Honduras	24.8	108	Uruguay	70.7
42	New Zealand	25.0	109	Portugal	71.8
43	Venezuela	25.3	110	Hungary	72.2
44	Macedonia, FYR	25.8	111	Morocco	72.4
45	Zambia	28.0	112	Jordan	72.9
46	Trinidad and Tobago	28.3	113	India	75.9
47	Moldova	28.4	114	Nicaragua	78.8
48	Peru	29.2	115	Israel	80.6
49	Bahrain	29.4	116	Côte d'Ivoire	81.1
49	Slovak Republic	29.4	117	Norway	82.7
51	Ireland	29.9	118	Sri Lanka	83.9
52	Cambodia	30.7	119	Belgium	88.3
52	Paraguay	30.7	120	Barbados	89.0
54	South Africa	31.3	121	Singapore	96.3
55	Denmark	31.8	122	Greece	102.4
56	Montenegro	32.4	123	Italy	104.0
57	Czech Republic	33.4	124	Egypt	105.8
58	Ecuador	33.6	125	Guyana	110.0
59	Bosnia and Herzegovina	34.0	126	Mauritania	123.2
59	El Salvador	34.0	127	Jamaica	128.8
61	Taiwan, China	34.2	128	Burundi	174.1
62	Tajikistan	34.3	129	Japan	195.5
63	Indonesia	35.7	n/a	Benin	n/a
64	Madagascar	35.9	n/a	Burkina Faso	n/a
65	Bangladesh	37.4	n/a	Mali	n/a
66	Thailand	37.9	n/a	Nigeria	n/a
67	Syria	39.2	n/a	Zimbabwe	n/a

SOURCE: IMF, *World Economic Outlook Database* (April 2008); IMF country reports; OECD, *OECD Economic Outlook* no. 83 (June 2008); European Central Bank; European Bank for Reconstruction and Development; Economist Intelligence Unit, *CountryData Database* (June 2008); national sources

# Section IV

## Health and primary education

## 4.01 Business impact of malaria

How serious do you consider the impact of malaria on your company in the next 5 years? (1 = extremely serious, 7 = not a problem)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 4.02 Malaria incidence (hard data)

Number of malaria cases per 100,000 population | 2003

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Albania	0.0	68	Algeria <sup>5</sup>	1.0
1	Austria	0.0	69	El Salvador	1.3
1	Bahrain	0.0	70	Mauritius <sup>5</sup>	1.8
1	Barbados	0.0	71	China <sup>5</sup>	2.0
1	Belgium	0.0	72	Korea, Rep.	2.3
1	Bosnia and Herzegovina	0.0	73	Australia	3.0
1	Bulgaria	0.0	74	Brunei Darussalam <sup>6</sup>	3.6
1	Canada	0.0	75	Mexico	3.7
1	Chile	0.0	76	Azerbaijan	5.8
1	Croatia	0.0	77	Georgia	7.0
1	Cyprus	0.0	78	Saudi Arabia	7.7
1	Czech Republic	0.0	79	Kyrgyz Republic	9.2
1	Denmark	0.0	80	Turkey	13.0
1	Estonia	0.0	81	Dominican Republic	14.8
1	Finland	0.0	82	Costa Rica	16.9
1	France	0.0	83	Paraguay	24.0
1	Germany	0.0	84	Malaysia	25.5
1	Greece	0.0	85	South Africa	29.0
1	Hungary	0.0	86	Oman	29.2
1	Iceland	0.0	87	Nepal	35.3
1	Ireland	0.0	88	Bangladesh	40.9
1	Israel	0.0	89	United Arab Emirates	41.6
1	Italy	0.0	90	Vietnam	45.5
1	Jamaica	0.0	91	Philippines	53.5
1	Japan	0.0	92	Sri Lanka	54.0
1	Jordan	0.0	93	Thailand	58.6
1	Kazakhstan	0.0	94	Pakistan	82.3
1	Kuwait	0.0	95	Tajikistan	84.4
1	Latvia	0.0	96	Indonesia <sup>5</sup>	103.9
1	Lesotho	0.0	97	Venezuela	123.5
1	Libya	0.0	98	Nicaragua	133.0
1	Lithuania	0.0	99	Honduras	143.6
1	Luxembourg	0.0	100	India	165.0
1	Macedonia, FYR	0.0	101	Brazil	206.4
1	Malta	0.0	102	Bolivia	225.8
1	Moldova	0.0	103	Guatemala	253.2
1	Mongolia	0.0	104	Panama	283.4
1	Montenegro	0.0	105	Peru	288.3
1	Netherlands	0.0	106	Colombia	366.7
1	New Zealand	0.0	107	Kenya <sup>5</sup>	387.6
1	Norway	0.0	108	Ecuador	399.3
1	Poland	0.0	109	Cambodia	516.4
1	Portugal	0.0	110	Ethiopia	808.0
1	Puerto Rico	0.0	111	Botswana	1,267.2
1	Qatar	0.0	112	Nigeria	2,026.6
1	Romania	0.0	113	Côte d'Ivoire <sup>4</sup>	2,348.3
1	Russian Federation	0.0	114	Suriname	3,282.9
1	Serbia	0.0	115	Timor-Leste	3,441.2
1	Singapore	0.0	116	Guyana	3,682.5
1	Slovak Republic	0.0	117	Chad <sup>4</sup>	4,540.7
1	Slovenia	0.0	118	Cameroon <sup>1</sup>	4,663.5
1	Spain	0.0	119	Mauritania <sup>5</sup>	5,617.5
1	Sweden	0.0	120	Mali	6,167.5
1	Switzerland	0.0	121	Zimbabwe <sup>5</sup>	9,797.5
1	Trinidad and Tobago	0.0	122	Gambia, The <sup>2</sup>	10,030.7
1	Tunisia	0.0	123	Benin <sup>4</sup>	10,491.5
1	Ukraine	0.0	124	Senegal <sup>3</sup>	10,829.7
1	United Kingdom	0.0	125	Madagascar	11,673.6
1	United States	0.0	126	Burkina Faso <sup>5</sup>	12,070.3
1	Uruguay	0.0	127	Ghana	16,399.5
61	Egypt	0.1	128	Zambia <sup>4</sup>	18,431.1
62	Taiwan, China	0.1	129	Namibia	22,101.8
63	Syria	0.1	130	Malawi <sup>5</sup>	23,639.8
64	Morocco	0.2	131	Mozambique	26,193.8
65	Argentina	0.3	132	Burundi <sup>5</sup>	26,526.2
66	Hong Kong SAR <sup>7</sup>	0.5	133	Tanzania	28,470.4
67	Armenia	1.0	134	Uganda	44,368.0

SOURCE: World Health Organization, *Global Health Atlas* database (July 2008); World Health Organization Regional Offices; The World Bank, *World Development Indicators 2007*; UNDP, *Human Development Report 2006*; national sources

1 1998 2 1999 3 2000 4 2001 5 2002 6 2004 7 2005

## 4.03 Business impact of tuberculosis

How serious do you consider the impact of tuberculosis on your company in the next 5 years? (1 = extremely serious, 7 = not a problem)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 5.6	7
1	Finland.....	6.9			
2	Iceland.....	6.9			
3	Denmark.....	6.9			
4	Norway.....	6.8			
5	Israel.....	6.8			
6	Sweden.....	6.8			
7	Switzerland.....	6.8			
8	Austria.....	6.8			
9	Belgium.....	6.7			
10	Cyprus.....	6.7			
11	Croatia.....	6.7			
12	Greece.....	6.7			
13	Italy.....	6.7			
14	Montenegro.....	6.7			
15	Uruguay.....	6.7			
16	New Zealand.....	6.7			
17	Australia.....	6.7			
18	Puerto Rico.....	6.7			
19	Luxembourg.....	6.7			
20	Syria.....	6.6			
21	Canada.....	6.6			
22	Chile.....	6.6			
23	Germany.....	6.6			
24	Netherlands.....	6.6			
25	France.....	6.6			
26	Jordan.....	6.6			
27	Slovenia.....	6.5			
28	Ireland.....	6.5			
29	Singapore.....	6.5			
30	Mauritius.....	6.5			
31	Spain.....	6.5			
32	Portugal.....	6.5			
33	Malta.....	6.5			
34	Slovak Republic.....	6.4			
35	Tunisia.....	6.4			
36	Panama.....	6.4			
37	Mexico.....	6.3			
38	Costa Rica.....	6.3			
39	United States.....	6.3			
40	Japan.....	6.3			
41	Czech Republic.....	6.3			
42	Kuwait.....	6.3			
43	Hong Kong SAR.....	6.3			
44	Albania.....	6.3			
45	Qatar.....	6.3			
46	United Kingdom.....	6.3			
47	Russian Federation.....	6.3			
48	Hungary.....	6.2			
49	Argentina.....	6.2			
50	United Arab Emirates.....	6.2			
51	Brazil.....	6.2			
52	Barbados.....	6.2			
53	Taiwan, China.....	6.2			
54	Turkey.....	6.2			
55	Bahrain.....	6.2			
56	Estonia.....	6.1			
57	Thailand.....	6.1			
58	Poland.....	6.1			
59	Sri Lanka.....	6.0			
60	Egypt.....	6.0			
61	Georgia.....	6.0			
62	Latvia.....	6.0			
63	Suriname.....	5.9			
64	Guatemala.....	5.9			
65	Malaysia.....	5.8			
66	Libya.....	5.8			
67	Ecuador.....	5.8			
68	Bosnia and Herzegovina.....	5.8			
69	Armenia.....	5.7			
70	Serbia.....	5.7			
71	Trinidad and Tobago.....	5.7			
72	Bulgaria.....	5.7			
73	China.....	5.7			
74	Honduras.....	5.6			
75	Lithuania.....	5.6			
76	Korea, Rep.....	5.5			
77	Jamaica.....	5.5			
78	Azerbaijan.....	5.5			
79	Oman.....	5.5			
80	Colombia.....	5.5			
81	Saudi Arabia.....	5.4			
82	Macedonia, FYR.....	5.4			
83	Romania.....	5.4			
84	Paraguay.....	5.3			
85	Brunei Darussalam.....	5.3			
86	Indonesia.....	5.3			
87	El Salvador.....	5.3			
88	Vietnam.....	5.3			
89	Bangladesh.....	5.2			
90	Venezuela.....	5.2			
91	Nigeria.....	5.1			
92	India.....	5.1			
93	Nicaragua.....	5.1			
94	Peru.....	5.0			
95	Morocco.....	5.0			
96	Dominican Republic.....	5.0			
97	Burundi.....	5.0			
98	Moldova.....	5.0			
99	Senegal.....	4.9			
100	Gambia, The.....	4.8			
101	Algeria.....	4.8			
102	Philippines.....	4.8			
103	Guyana.....	4.8			
104	Burkina Faso.....	4.7			
105	Bolivia.....	4.7			
106	Tajikistan.....	4.7			
107	Nepal.....	4.6			
108	Pakistan.....	4.6			
109	Cambodia.....	4.6			
110	Cameroon.....	4.4			
111	Kazakhstan.....	4.4			
112	Ghana.....	4.4			
113	Kenya.....	4.3			
114	Ukraine.....	4.3			
115	Madagascar.....	4.3			
116	Namibia.....	4.2			
117	Kyrgyz Republic.....	4.2			
118	Benin.....	4.2			
119	Mauritania.....	4.1			
120	Lesotho.....	4.0			
121	Mongolia.....	4.0			
122	Mali.....	3.9			
123	Ethiopia.....	3.9			
124	Botswana.....	3.9			
125	Côte d'Ivoire.....	3.8			
126	Uganda.....	3.8			
127	Tanzania.....	3.8			
128	Chad.....	3.8			
129	South Africa.....	3.6			
130	Zambia.....	3.3			
131	Malawi.....	3.3			
132	Zimbabwe.....	3.2			
133	Mozambique.....	3.1			
134	Timor-Leste.....	2.3			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 4.04 Tuberculosis incidence (hard data)

Number of tuberculosis cases per 100,000 population | 2006



SOURCE: World Health Organization, *Global Atlas of Infectious Diseases* database (May 2008); national sources

<sup>1</sup> 2007



## 4.05 Business impact of HIV/AIDS

How serious do you consider the impact of HIV/AIDS on your company in the next 5 years? (1 = extremely serious, 7 = not a problem)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 4.06 HIV prevalence (hard data)

HIV prevalence as a percentage of adults aged 15–49 years | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Bangladesh <sup>3</sup>	<0.1	68	Chile	0.3
1	Bosnia and Herzegovina	<0.1	68	Ecuador	0.3
1	Brunei Darussalam <sup>3</sup>	<0.1	68	India	0.3
1	Bulgaria <sup>3</sup>	<0.1	68	Libya <sup>1</sup>	0.3
1	Croatia	<0.1	68	Mexico	0.3
1	Egypt <sup>3</sup>	<0.1	68	Tajikistan	0.3
1	Hong Kong SAR <sup>3</sup>	<0.1	74	Canada	0.4
1	Japan <sup>3</sup>	<0.1	74	Costa Rica	0.4
1	Jordan <sup>1</sup>	<0.1	74	France	0.4
1	Korea, Rep.	<0.1	74	Italy	0.4
1	Kuwait <sup>1</sup>	<0.1	74	Moldova	0.4
1	Macedonia, FYR	<0.1	79	Argentina	0.5
1	Montenegro <sup>3</sup>	<0.1	79	Malaysia	0.5
1	Philippines <sup>3</sup>	<0.1	79	Nepal	0.5
1	Qatar <sup>2</sup>	<0.1	79	Peru	0.5
1	Saudi Arabia <sup>1</sup>	<0.1	79	Portugal	0.5
1	Slovak Republic <sup>3</sup>	<0.1	79	Spain	0.5
1	Slovenia	<0.1	79	Vietnam	0.5
1	Sri Lanka <sup>3</sup>	<0.1	86	Brazil	0.6
1	Syria	<0.1	86	Colombia	0.6
1	Timor-Leste <sup>4</sup>	<0.1	86	Paraguay	0.6
1	Turkey <sup>3</sup>	<0.1	86	Switzerland	0.6
23	Albania <sup>2</sup>	0.1	86	United States	0.6
23	Algeria	0.1	86	Uruguay	0.6
23	Armenia	0.1	92	Honduras	0.7
23	China	0.1	92	Venezuela	0.7
23	Czech Republic <sup>3</sup>	0.1	94	Puerto Rico <sup>4</sup>	0.8
23	Finland	0.1	95	Cambodia	0.8
23	Georgia	0.1	95	El Salvador	0.8
23	Germany	0.1	95	Guatemala	0.8
23	Hungary	0.1	95	Latvia	0.8
23	Israel <sup>1</sup>	0.1	95	Mauritania	0.8
23	Kazakhstan	0.1	100	Gambia, The <sup>3</sup>	0.9
23	Kyrgyz Republic	0.1	101	Panama	1.0
23	Lithuania	0.1	101	Senegal	1.0
23	Madagascar	0.1	103	Dominican Republic	1.1
23	Malta	0.1	103	Russian Federation	1.1
23	Mongolia	0.1	105	Barbados	1.2
23	Morocco	0.1	105	Benin	1.2
23	New Zealand	0.1	107	Estonia	1.3
23	Norway	0.1	108	Thailand	1.4
23	Oman <sup>1</sup>	0.1	109	Mali	1.5
23	Pakistan	0.1	109	Trinidad and Tobago	1.5
23	Poland	0.1	111	Burkina Faso	1.6
23	Romania	0.1	111	Jamaica	1.6
23	Serbia	0.1	111	Ukraine	1.6
23	Sweden	0.1	114	Mauritius	1.7
23	Tunisia	0.1	115	Ghana	1.9
49	Taiwan, China <sup>3</sup>	0.1	116	Burundi	2.0
50	Australia	0.2	117	Ethiopia	2.1
50	Austria	0.2	118	Suriname	2.4
50	Azerbaijan	0.2	119	Guyana	2.5
50	Bahrain <sup>1</sup>	0.2	120	Nigeria	3.1
50	Belgium	0.2	121	Chad	3.5
50	Bolivia	0.2	122	Côte d'Ivoire	3.9
50	Cyprus	0.2	123	Cameroon	5.1
50	Denmark	0.2	124	Uganda	5.4
50	Greece	0.2	125	Kenya <sup>3</sup>	6.1
50	Iceland	0.2	126	Tanzania	6.2
50	Indonesia	0.2	127	Malawi	11.9
50	Ireland	0.2	128	Mozambique	12.5
50	Luxembourg	0.2	129	Zambia	15.2
50	Netherlands	0.2	130	Namibia	15.3
50	Nicaragua	0.2	130	Zimbabwe	15.3
50	Singapore	0.2	132	South Africa	18.1
50	United Arab Emirates <sup>1</sup>	0.2	133	Lesotho	23.2
50	United Kingdom	0.2	134	Botswana	23.9

SOURCE: UNAIDS, 2008 Report on the Global AIDS Epidemic; UNDP, Human Development Report 2006; national sources

<sup>1</sup> 2003 <sup>2</sup> 2004 <sup>3</sup> 2005 <sup>4</sup> 2006

## 4.07 Infant mortality (hard data)

Infant (children aged 0–12 months) mortality per 1,000 live births | 2005

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Hong Kong SAR <sup>2</sup>	1.8	67	Jamaica	17.0
2	Iceland	2.0	67	Trinidad and Tobago	17.0
2	Singapore	2.0	70	Libya	18.0
4	Czech Republic	3.0	70	Thailand	18.0
4	Finland	3.0	70	Venezuela	18.0
4	Japan	3.0	73	Panama	19.0
4	Norway	3.0	74	Paraguay	20.0
4	Slovenia	3.0	74	Tunisia	20.0
4	Sweden	3.0	76	Saudi Arabia	21.0
10	Austria	4.0	77	Ecuador	22.0
10	Belgium	4.0	77	Jordan	22.0
10	Cyprus	4.0	77	Mexico	22.0
10	Denmark	4.0	80	China	23.0
10	France	4.0	80	El Salvador	23.0
10	Germany	4.0	80	Peru	23.0
10	Greece	4.0	83	Philippines	25.0
10	Ireland	4.0	84	Armenia	26.0
10	Israel	4.0	84	Dominican Republic	26.0
10	Italy	4.0	84	Turkey	26.0
10	Luxembourg	4.0	87	Kazakhstan	27.0
10	Netherlands	4.0	88	Brazil	28.0
10	Portugal	4.0	88	Egypt	28.0
10	Spain	4.0	88	Indonesia	28.0
10	Switzerland	4.0	91	Nicaragua	30.0
25	Taiwan, China <sup>3</sup>	4.7	91	Suriname	30.0
26	Australia	5.0	93	Honduras	31.0
26	Canada	5.0	94	Guatemala	32.0
26	Malta	5.0	95	Algeria	34.0
26	New Zealand	5.0	96	Morocco	36.0
26	United Kingdom	5.0	97	Mongolia	39.0
31	Croatia	6.0	98	Georgia	41.0
31	Estonia	6.0	99	Namibia	46.0
31	Hungary	6.0	100	Guyana	47.0
31	Korea, Rep.	6.0	101	South Africa	51.0
31	Poland	6.0	102	Bolivia	52.0
36	Lithuania	7.0	102	Timor-Leste	52.0
36	Slovak Republic	7.0	104	Bangladesh	54.0
36	United States	7.0	105	India	56.0
39	Brunei Darussalam	8.0	105	Nepal	56.0
39	Chile	8.0	107	Kyrgyz Republic	58.0
39	Latvia	8.0	108	Tajikistan	59.0
39	Serbia	8.0	109	Zimbabwe	60.0
39	United Arab Emirates	8.0	110	Ghana	68.0
44	Puerto Rico <sup>3</sup>	8.1	111	Azerbaijan	74.0
45	Bahrain	9.0	111	Madagascar	74.0
45	Montenegro	9.0	113	Tanzania	76.0
47	Kuwait	10.0	114	Senegal	77.0
47	Malaysia	10.0	115	Kenya	78.0
47	Oman	10.0	115	Malawi	78.0
47	Qatar	10.0	115	Mauritania	78.0
51	Barbados	11.0	118	Uganda	79.0
51	Costa Rica	11.0	119	Pakistan	80.0
51	Russian Federation	11.0	120	Botswana	86.0
54	Bulgaria	12.0	121	Cameroon	87.0
54	Sri Lanka	12.0	122	Benin	89.0
56	Bosnia and Herzegovina	13.0	123	Burkina Faso	96.0
56	Mauritius	13.0	124	Gambia, The	97.0
56	Ukraine	13.0	125	Cambodia	98.0
56	Uruguay	13.0	126	Mozambique	100.0
60	Argentina	14.0	127	Nigeria	101.0
60	Moldova	14.0	128	Lesotho	102.0
60	Syria	14.0	129	Zambia	104.0
63	Macedonia, FYR	15.0	130	Ethiopia	109.0
64	Albania	16.0	131	Burundi	114.0
64	Romania	16.0	132	Côte d'Ivoire	118.0
64	Vietnam	16.0	133	Mali	120.0
67	Colombia	17.0	134	Chad	124.0

SOURCE: World Health Organization, *WHO Statistical Information System (WHOSIS)* (May 2008); national sources

<sup>1</sup> 2005 <sup>2</sup> 2006 <sup>3</sup> 2007

## 4.08 Life expectancy (hard data)

Life expectancy at birth (years) | 2006

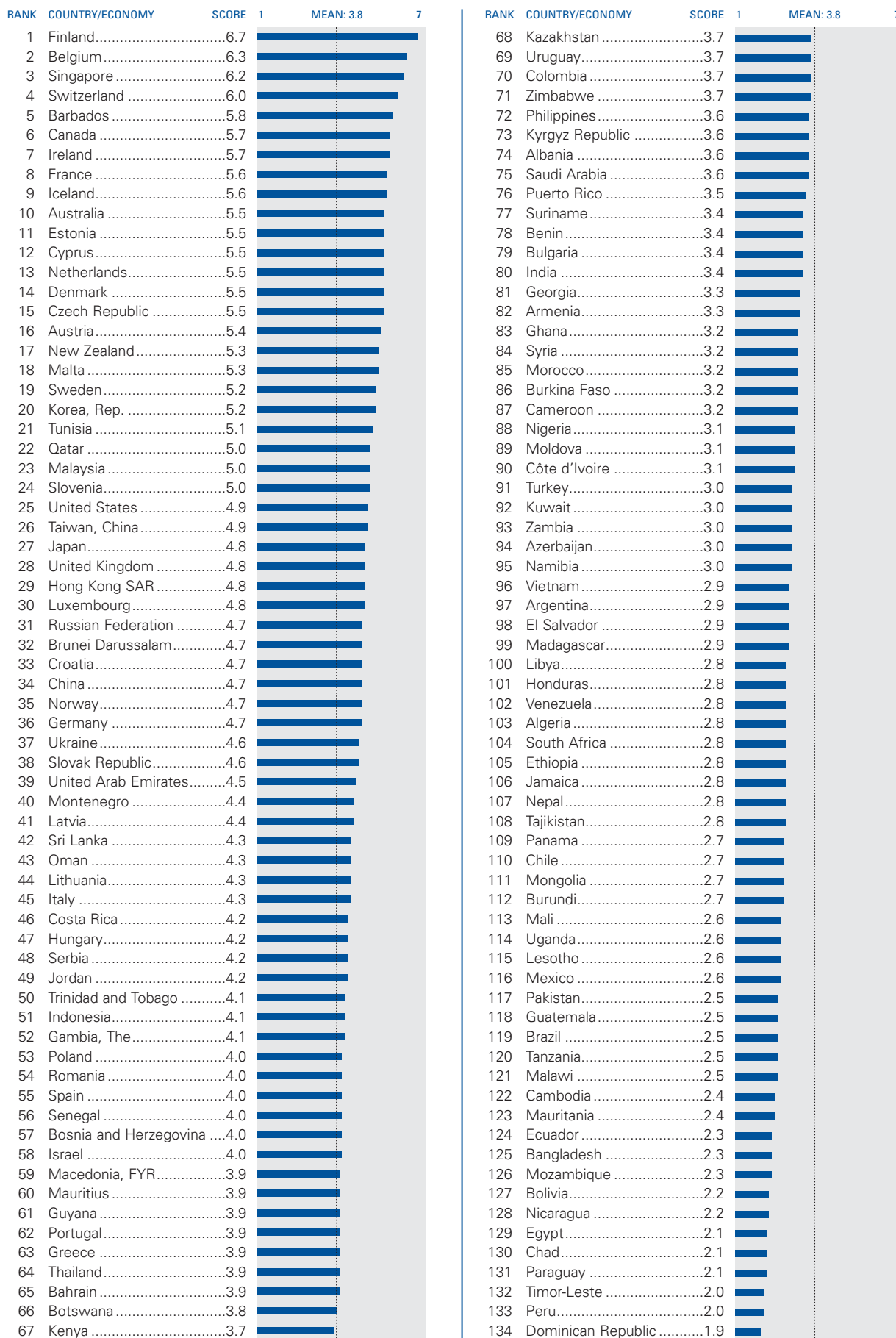
RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Japan	83.0	66	Libya	72.0
2	Australia	82.0	66	Malaysia	72.0
2	Switzerland	82.0	66	Morocco	72.0
4	Hong Kong SAR <sup>1</sup>	81.9	66	Sri Lanka	72.0
5	Canada	81.0	66	Syria	72.0
5	France	81.0	66	Thailand	72.0
5	Iceland	81.0	66	Tunisia	72.0
5	Israel	81.0	66	Vietnam	72.0
5	Italy	81.0	76	Albania	71.0
5	Spain	81.0	76	Algeria	71.0
5	Sweden	81.0	76	El Salvador	71.0
12	Austria	80.0	76	Jordan	71.0
12	Cyprus	80.0	76	Latvia	71.0
12	Germany	80.0	76	Lithuania	71.0
12	Greece	80.0	76	Nicaragua	71.0
12	Ireland	80.0	83	Dominican Republic	70.0
12	Luxembourg	80.0	83	Georgia	70.0
12	Netherlands	80.0	83	Honduras	70.0
12	New Zealand	80.0	83	Saudi Arabia	70.0
12	Norway	80.0	87	Armenia	69.0
12	Singapore	80.0	87	Trinidad and Tobago	69.0
22	Belgium	79.0	89	Egypt	68.0
22	Denmark	79.0	89	Guatemala	68.0
22	Finland	79.0	89	Indonesia	68.0
22	Korea, Rep.	79.0	89	Moldova	68.0
22	Malta	79.0	89	Philippines	68.0
22	Portugal	79.0	89	Suriname	68.0
22	United Kingdom	79.0	95	Ukraine	67.0
29	Chile	78.0	96	Bolivia	66.0
29	Costa Rica	78.0	96	Kyrgyz Republic	66.0
29	Kuwait	78.0	96	Mongolia	66.0
29	Slovenia	78.0	96	Russian Federation	66.0
29	United Arab Emirates	78.0	96	Timor-Leste	66.0
29	United States	78.0	101	Azerbaijan	64.0
35	Puerto Rico	77.5	101	Guyana	64.0
36	Taiwan, China <sup>1</sup>	77.4	101	Kazakhstan	64.0
37	Brunei Darussalam	77.0	101	Tajikistan	64.0
37	Czech Republic	77.0	105	Bangladesh	63.0
37	Qatar	77.0	105	India	63.0
40	Croatia	76.0	105	Pakistan	63.0
40	Panama	76.0	108	Cambodia	62.0
42	Argentina	75.0	108	Nepal	62.0
42	Bahrain	75.0	110	Namibia	61.0
42	Barbados	75.0	111	Gambia, The	59.0
42	Bosnia and Herzegovina	75.0	111	Madagascar	59.0
42	Paraguay	75.0	111	Senegal	59.0
42	Poland	75.0	114	Mauritania	58.0
42	Uruguay	75.0	115	Ghana	57.0
49	Montenegro <sup>1</sup>	74.1	116	Ethiopia	56.0
50	Colombia	74.0	117	Benin	55.0
50	Mexico	74.0	118	Côte d'Ivoire	53.0
50	Oman	74.0	118	Kenya	53.0
50	Slovak Republic	74.0	120	Botswana	52.0
50	Venezuela	74.0	121	Cameroon	51.0
55	Bulgaria	73.0	121	South Africa	51.0
55	China	73.0	123	Malawi	50.0
55	Ecuador	73.0	123	Mozambique	50.0
55	Estonia	73.0	123	Tanzania	50.0
55	Hungary	73.0	123	Uganda	50.0
55	Macedonia, FYR	73.0	127	Burundi	49.0
55	Mauritius	73.0	128	Nigeria	48.0
55	Peru	73.0	129	Burkina Faso	47.0
55	Romania	73.0	130	Chad	46.0
55	Serbia	73.0	130	Mali	46.0
55	Turkey	73.0	132	Zambia	43.0
66	Brazil	72.0	132	Zimbabwe	43.0
66	Jamaica	72.0	134	Lesotho	42.0

SOURCE: World Health Organization, WHO Statistical Information System (WHOSIS) (May 2008); UNDP, Human Development Report 2007/2008 online database (May 2008); national sources

<sup>1</sup> 2005

## 4.09 Quality of primary education

Primary schools in your country are (1 = of poor quality, 7 = among the best in the world)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 4.10 Primary enrollment (hard data)

Net primary education enrollment rate | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Malaysia <sup>5</sup>	99.9	68	Saudi Arabia	92.8
2	Japan	99.8	69	Czech Republic <sup>5</sup>	92.5
3	Uruguay	99.7	70	Bulgaria	92.3
4	Spain	99.7	71	Slovak Republic <sup>5</sup>	92.0
5	China <sup>6</sup>	99.5	72	Zambia	92.0
6	Canada <sup>1</sup>	99.5	73	Macedonia, FYR <sup>5</sup>	91.8
7	Greece	99.5	74	United States	91.6
8	New Zealand	99.3	75	Mongolia	91.4
9	Taiwan, China <sup>6</sup>	99.3	76	Philippines	91.4
10	Cyprus	99.2	77	Turkey	91.4
11	Costa Rica	98.8	78	Malta <sup>5</sup>	91.2
12	Italy	98.7	79	Malawi	91.1
13	France	98.6	80	Venezuela	91.1
14	Argentina <sup>5</sup>	98.5	81	Russian Federation	90.9
15	Panama	98.5	82	Croatia	90.4
16	United Kingdom	98.4	83	Jamaica <sup>5</sup>	90.3
17	Germany	98.3	84	Ukraine	90.2
18	Bahrain <sup>5</sup>	98.2	85	Kazakhstan	90.1
19	Norway	98.1	86	Latvia <sup>5</sup>	90.1
20	Netherlands	98.1	87	Cambodia	89.9
21	Portugal	97.9	88	Nicaragua	89.8
22	Tanzania	97.8	89	Jordan	89.6
23	Mexico	97.7	90	Lithuania	89.4
24	Korea, Rep.	97.6	91	Georgia	89.1
25	Iceland	97.5	92	Switzerland	89.0
26	Puerto Rico <sup>5</sup>	97.4	93	Bangladesh <sup>4</sup>	88.9
27	Austria	97.4	94	India	88.7
28	Belgium	97.4	95	Colombia	88.5
29	Tajikistan	97.3	96	Hungary	88.4
30	Montenegro	97.2	97	South Africa <sup>4</sup>	88.3
31	Guyana <sup>5</sup>	97.0	98	Morocco	88.1
32	Luxembourg	97.0	99	Chile	88.0
33	Israel	96.9	100	United Arab Emirates	88.0
34	Serbia	96.9	101	Hong Kong SAR	87.9
35	Finland	96.8	102	Zimbabwe	87.8
36	Ecuador	96.8	103	Moldova	87.8
37	Sri Lanka <sup>4</sup>	96.7	104	Kyrgyz Republic	85.9
38	Singapore	96.6	105	Azerbaijan	84.8
39	Australia	96.4	106	Trinidad and Tobago <sup>5</sup>	84.6
40	Suriname	96.4	107	Botswana <sup>5</sup>	84.0
41	Honduras	96.4	108	Kuwait	83.5
42	Peru	96.3	109	Armenia	82.2
43	Barbados	96.2	110	Benin	80.2
44	Poland	96.1	111	Mauritania	79.5
45	Tunisia	96.1	112	Nepal <sup>4</sup>	79.2
46	Madagascar	95.9	113	Dominican Republic	77.5
47	Denmark	95.6	114	Namibia	76.4
48	Indonesia	95.5	115	Mozambique	76.0
49	Slovenia	95.4	116	Kenya	75.5
50	Algeria	95.2	117	Burundi	74.6
51	Mauritius	95.0	118	Oman	74.1
52	Sweden	94.9	119	Lesotho	72.4
53	Bolivia	94.9	120	Senegal	70.7
54	Ireland	94.9	121	Timor-Leste <sup>5</sup>	68.1
55	Vietnam <sup>1</sup>	94.5	122	Pakistan	65.6
56	Syria <sup>2</sup>	94.5	123	Ethiopia	65.2
57	Guatemala	94.4	124	Ghana	63.6
58	Brazil <sup>5</sup>	94.4	125	Nigeria <sup>5</sup>	63.4
59	Paraguay <sup>5</sup>	94.3	126	Gambia, The	61.8
60	Estonia	94.2	127	Mali	60.5
61	Thailand	94.2	128	Chad <sup>3</sup>	60.2
62	El Salvador	94.0	129	Côte d'Ivoire <sup>3</sup>	54.9
63	Egypt	93.9	130	Burkina Faso	46.9
64	Brunei Darussalam	93.8	n/a	Bosnia and Herzegovina	n/a
65	Albania <sup>4</sup>	93.6	n/a	Cameroon	n/a
66	Qatar	93.5	n/a	Libya	n/a
67	Romania	92.8	n/a	Uganda	n/a

SOURCE: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

<sup>1</sup> 2000 <sup>2</sup> 2002 <sup>3</sup> 2003 <sup>4</sup> 2005 <sup>5</sup> 2005 <sup>6</sup> 2007

## 4.11 Education expenditure (hard data)

Adjusted savings: Education expenditure as percentage of GNI | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Lesotho	9.3	68	Kuwait	4.2
2	Botswana	8.6	69	Paraguay	4.1
3	Guyana	8.2	70	Slovak Republic	4.1
4	Denmark	8.1	71	Korea, Rep.	4.0
5	Iceland	7.4	72	Costa Rica	4.0
6	Sweden	7.3	73	Trinidad and Tobago	4.0
7	Namibia	7.3	74	Uganda	4.0
8	Saudi Arabia	7.2	75	Ethiopia	4.0
9	Norway	7.0	76	Argentina	4.0
10	Barbados	7.0	77	India	3.9
11	New Zealand	7.0	78	Spain	3.9
12	Zimbabwe	6.9	79	Mauritius	3.8
13	Israel	6.7	80	Luxembourg	3.7
14	Tunisia	6.7	81	Oman	3.7
15	Morocco	6.5	82	Serbia	3.7
16	Bolivia	6.3	83	Mozambique	3.7
17	Kenya	6.3	84	Chile	3.7
18	Finland	6.0	85	Mali	3.7
19	Belgium	5.9	86	Benin	3.6
20	Malaysia	5.8	87	Moldova	3.6
21	Cyprus	5.8	88	Honduras	3.5
22	Portugal	5.7	89	Russian Federation	3.5
23	Jordan	5.6	90	Turkey	3.5
24	Slovenia	5.6	91	Hong Kong SAR	3.4
25	Latvia	5.6	92	Greece	3.4
26	Hungary	5.5	93	Montenegro <sup>1</sup>	3.3
27	Poland	5.4	94	Romania	3.3
28	Austria	5.3	95	Tajikistan	3.2
29	Taiwan, China <sup>1</sup>	5.3	96	Japan	3.1
30	United Kingdom	5.3	97	Armenia	3.0
31	Mexico	5.3	98	Nicaragua	3.0
32	South Africa	5.3	99	Albania	2.8
33	Ireland	5.3	100	Vietnam	2.8
34	France	5.3	101	Brunei Darussalam	2.8
35	Canada	5.2	102	El Salvador	2.8
36	Netherlands	5.2	103	Azerbaijan	2.8
37	Lithuania	5.1	104	Georgia	2.8
38	Switzerland	5.1	105	Madagascar	2.7
39	Burundi	5.1	106	Uruguay	2.6
40	Estonia	5.1	107	Nepal	2.6
41	Mongolia	5.1	108	Syria	2.6
42	Colombia	5.0	109	Sri Lanka	2.6
43	Macedonia, FYR	4.9	110	Singapore	2.5
44	Malawi	4.9	111	Peru	2.5
45	United States	4.8	112	Tanzania	2.4
46	Thailand	4.7	113	Philippines	2.4
47	Ghana	4.7	114	Mauritania	2.4
48	Australia	4.7	115	Zambia	2.2
49	Côte d'Ivoire	4.7	116	Gambia, The	2.0
50	Senegal	4.6	117	Dominican Republic	1.9
51	Jamaica	4.5	118	Bangladesh	1.9
52	Germany	4.5	119	Pakistan	1.8
53	Burkina Faso	4.5	120	China	1.8
53	Croatia	4.5	121	Cambodia	1.8
55	Italy	4.5	122	Guatemala	1.6
56	Algeria	4.5	123	Cameroon	1.6
57	Panama	4.4	124	Ecuador	1.4
58	Kazakhstan	4.4	125	Chad	1.3
59	Egypt	4.4	126	Indonesia	0.9
60	Ukraine	4.4	127	Nigeria	0.9
61	Kyrgyz Republic	4.4	n/a	Bosnia and Herzegovina	n/a
62	Bahrain	4.4	n/a	Libya	n/a
63	Venezuela	4.4	n/a	Puerto Rico	n/a
64	Brazil	4.3	n/a	Qatar	n/a
65	Malta	4.3	n/a	Suriname	n/a
66	Bulgaria	4.2	n/a	Timor-Leste	n/a
67	Czech Republic	4.2	n/a	United Arab Emirates	n/a

SOURCE: The World Bank, *World Development Indicators 2008*; national sources

<sup>1</sup> 2007

# Section V

## Higher education and training



## 5.01 Secondary enrollment (hard data)

Gross secondary education enrollment rate | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Australia	150.3	68	Jamaica <sup>5</sup>	87.1
2	New Zealand	119.6	69	Kyrgyz Republic	86.4
3	Denmark	119.5	70	Romania	85.9
4	Spain	118.7	71	Costa Rica	85.8
5	Netherlands	118.2	72	Hong Kong SAR	85.3
6	Canada <sup>4</sup>	117.3	73	Georgia	84.9
7	France	113.9	74	Tunisia	84.9
8	Norway	112.8	75	Argentina <sup>5</sup>	84.4
9	Finland	111.6	76	Russian Federation	84.0
10	Ireland	111.6	77	Macedonia, FYR <sup>5</sup>	84.0
11	Iceland	109.9	78	Algeria <sup>5</sup>	83.2
12	Belgium	109.7	79	Philippines	83.1
13	Bulgaria	106.1	80	Azerbaijan	83.0
14	Brazil <sup>5</sup>	105.5	81	Tajikistan	82.6
15	Guyana	104.6	82	Bolivia	82.5
16	Sweden	103.2	83	Colombia	82.2
17	Greece	103.1	84	Turkey	78.6
18	Barbados	102.2	85	Thailand	78.1
19	Bahrain	102.1	86	Suriname	77.5
20	Austria	101.9	87	Venezuela	77.0
21	Singapore	101.7	88	Albania <sup>4</sup>	76.7
22	Japan	101.4	89	Botswana <sup>5</sup>	76.5
23	Qatar	101.2	90	Trinidad and Tobago <sup>5</sup>	76.3
24	Uruguay	101.0	91	Honduras <sup>5</sup>	75.6
25	Germany	100.7	92	China	75.5
26	Italy	100.3	93	Panama	69.9
27	Estonia	99.9	94	Syria	69.6
28	Poland	99.6	95	Malaysia <sup>5</sup>	69.1
29	Malta <sup>5</sup>	99.5	96	Dominican Republic	69.1
30	Lithuania	98.8	97	Ecuador	67.5
31	Taiwan, China <sup>6</sup>	98.7	98	Paraguay <sup>5</sup>	66.5
32	Latvia	98.5	99	Nicaragua	65.8
33	Brunei Darussalam	98.2	100	Vietnam <sup>2</sup>	64.5
34	United Kingdom	97.9	101	El Salvador	64.5
35	Korea, Rep. <sup>6</sup>	97.5	102	Indonesia	64.2
36	Portugal	97.5	103	Namibia	56.9
37	Cyprus	96.6	104	India <sup>5</sup>	54.0
38	Luxembourg	96.3	105	Guatemala	53.5
39	Montenegro	96.3	106	Timor-Leste <sup>5</sup>	53.4
39	Saudi Arabia	96.3	107	Morocco	52.4
41	Czech Republic	96.2	108	Kenya	50.3
42	Hungary	95.5	109	Ghana <sup>6</sup>	49.3
43	Slovenia	95.5	110	Bosnia and Herzegovina <sup>5</sup>	45.0
44	South Africa <sup>4</sup>	94.7	111	Gambia, The	44.9
45	Puerto Rico <sup>5</sup>	94.7	112	Bangladesh <sup>4</sup>	43.8
46	Peru	94.5	113	Nepal	43.2
47	Slovak Republic	94.3	114	Zimbabwe	40.0
48	United States	93.9	115	Cambodia	38.2
49	Libya	93.5	116	Lesotho	37.0
50	Ukraine	93.4	117	Benin <sup>5</sup>	32.5
51	Kazakhstan <sup>6</sup>	92.8	118	Nigeria <sup>5</sup>	32.4
52	Switzerland	92.7	119	Ethiopia <sup>6</sup>	30.5
53	Israel	92.2	120	Zambia <sup>5</sup>	30.4
54	Chile	91.2	121	Pakistan	30.0
55	Croatia	91.1	122	Malawi	29.1
56	United Arab Emirates	90.0	123	Mali	28.3
57	Armenia	89.5	124	Mauritania	25.0
58	Mongolia	89.5	125	Côte d'Ivoire <sup>3</sup>	24.6
59	Moldova	89.3	126	Madagascar	23.8
60	Kuwait	88.7	127	Senegal	23.8
61	Jordan	88.7	128	Cameroon	23.7
62	Oman	88.6	129	Uganda <sup>5</sup>	18.3
63	Mauritius <sup>5</sup>	88.4	130	Mozambique	15.5
64	Serbia <sup>6</sup>	87.9	131	Chad <sup>5</sup>	15.2
65	Egypt <sup>4</sup>	87.8	132	Burkina Faso	14.5
66	Sri Lanka <sup>4</sup>	87.2	133	Burundi	14.3
67	Mexico	87.2	134	Tanzania <sup>1</sup>	6.1

SOURCE: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

1 1999 2 2000 3 2002 4 2004 5 2005 6 2007

## 5.02 Tertiary enrollment (hard data)

Gross tertiary education enrollment rate | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Greece	94.9	68	Colombia	30.8
2	Finland	93.2	69	Macedonia, FYR <sup>7</sup>	29.8
3	Korea, Rep. <sup>8</sup>	92.6	70	Saudi Arabia	29.2
4	Taiwan, China <sup>8</sup>	85.3	71	Malaysia <sup>7</sup>	28.6
5	Slovenia	83.0	72	Philippines	28.5
6	United States	81.8	73	Bosnia and Herzegovina <sup>6</sup>	27.0
7	Denmark	79.9	74	Mexico	26.1
8	New Zealand	79.7	75	Paraguay <sup>7</sup>	25.5
9	Sweden	79.0	76	Brazil <sup>7</sup>	25.5
10	Norway	77.5	77	Oman	25.5
11	Lithuania	76.4	78	Costa Rica <sup>7</sup>	25.3
12	Latvia	73.6	79	United Arab Emirates <sup>5</sup>	23.2
13	Iceland	72.9	80	Algeria	21.8
14	Ukraine	72.8	81	China	21.6
15	Australia	72.7	82	El Salvador	20.6
16	Russian Federation	72.3	83	Albania <sup>6</sup>	19.1
17	Hungary	68.6	84	Jamaica <sup>5</sup>	19.0
18	Spain	67.4	85	Qatar	18.6
19	Italy	67.0	86	Tajikistan	18.6
20	Poland	65.6	87	Nicaragua <sup>5</sup>	18.1
21	Estonia	65.5	88	Kuwait	17.6
22	Argentina <sup>7</sup>	63.8	89	Honduras <sup>6</sup>	17.2
23	Belgium	62.8	90	Mauritius	17.1
24	Canada <sup>6</sup>	62.4	91	Indonesia	17.0
25	Netherlands	59.8	92	Ecuador <sup>9</sup>	15.9
26	United Kingdom	59.3	93	South Africa	15.4
27	Ireland	58.8	94	Brunei Darussalam	15.0
28	Israel	57.6	95	Azerbaijan	14.8
29	Japan	57.3	96	Syria <sup>7</sup>	13.6
30	France	56.2	97	Suriname <sup>4</sup>	12.4
31	Singapore	55.9	98	India	11.8
32	Libya <sup>5</sup>	55.8	99	Morocco	11.8
33	Portugal	54.5	100	Guyana	11.5
34	Romania	52.2	101	Trinidad and Tobago <sup>7</sup>	11.4
35	Venezuela	52.0	102	Sri Lanka <sup>4</sup>	11.0
36	Kazakhstan <sup>8</sup>	51.2	103	Luxembourg	10.2
37	Austria	49.9	104	Nigeria <sup>7</sup>	10.2
38	Czech Republic	49.8	105	Timor-Leste <sup>4</sup>	9.6
39	Mongolia	47.2	106	Vietnam <sup>2</sup>	9.5
40	Montenegro	47.1	107	Guatemala	8.7
41	Chile	46.6	108	Cameroon	6.7
42	Uruguay	46.3	109	Côte d'Ivoire <sup>1</sup>	6.5
43	Germany	46.3	110	Bangladesh <sup>7</sup>	6.0
44	Thailand	45.9	111	Ghana <sup>8</sup>	5.8
45	Switzerland	45.8	112	Namibia	5.8
46	Bulgaria	45.6	113	Nepal <sup>6</sup>	5.6
47	Panama	45.5	114	Senegal <sup>7</sup>	5.5
48	Slovak Republic	45.3	115	Botswana <sup>7</sup>	5.1
49	Croatia	44.0	116	Benin	5.1
50	Kyrgyz Republic	42.7	117	Cambodia	4.5
51	Puerto Rico <sup>7</sup>	42.2	118	Pakistan	4.5
52	Bolivia <sup>6</sup>	40.6	119	Zimbabwe <sup>5</sup>	3.6
53	Moldova	39.4	120	Lesotho	3.6
54	Jordan	39.0	121	Mauritania	3.5
55	Georgia	38.2	122	Uganda <sup>6</sup>	3.5
56	Serbia	37.8	123	Mali <sup>7</sup>	3.0
57	Barbados <sup>3</sup>	37.2	124	Madagascar	2.8
58	Peru	35.1	125	Ethiopia <sup>8</sup>	2.7
59	Egypt <sup>7</sup>	34.7	126	Kenya <sup>6</sup>	2.7
60	Turkey	34.6	127	Burkina Faso	2.3
61	Dominican Republic <sup>6</sup>	34.5	128	Zambia <sup>2</sup>	2.3
62	Cyprus	33.4	129	Burundi	2.2
63	Hong Kong SAR	33.0	130	Tanzania <sup>8</sup>	1.5
64	Bahrain	32.1	131	Mozambique <sup>7</sup>	1.5
65	Armenia	31.7	132	Chad <sup>7</sup>	1.2
66	Malta <sup>7</sup>	31.6	133	Gambia, The <sup>6</sup>	1.1
67	Tunisia	31.0	134	Malawi	0.0

SOURCE: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

<sup>1</sup> 1999 <sup>2</sup> 2000 <sup>3</sup> 2001 <sup>4</sup> 2002 <sup>5</sup> 2003 <sup>6</sup> 2004 <sup>7</sup> 2005 <sup>8</sup> 2007 <sup>9</sup> 2008

## 5.03 Quality of the educational system

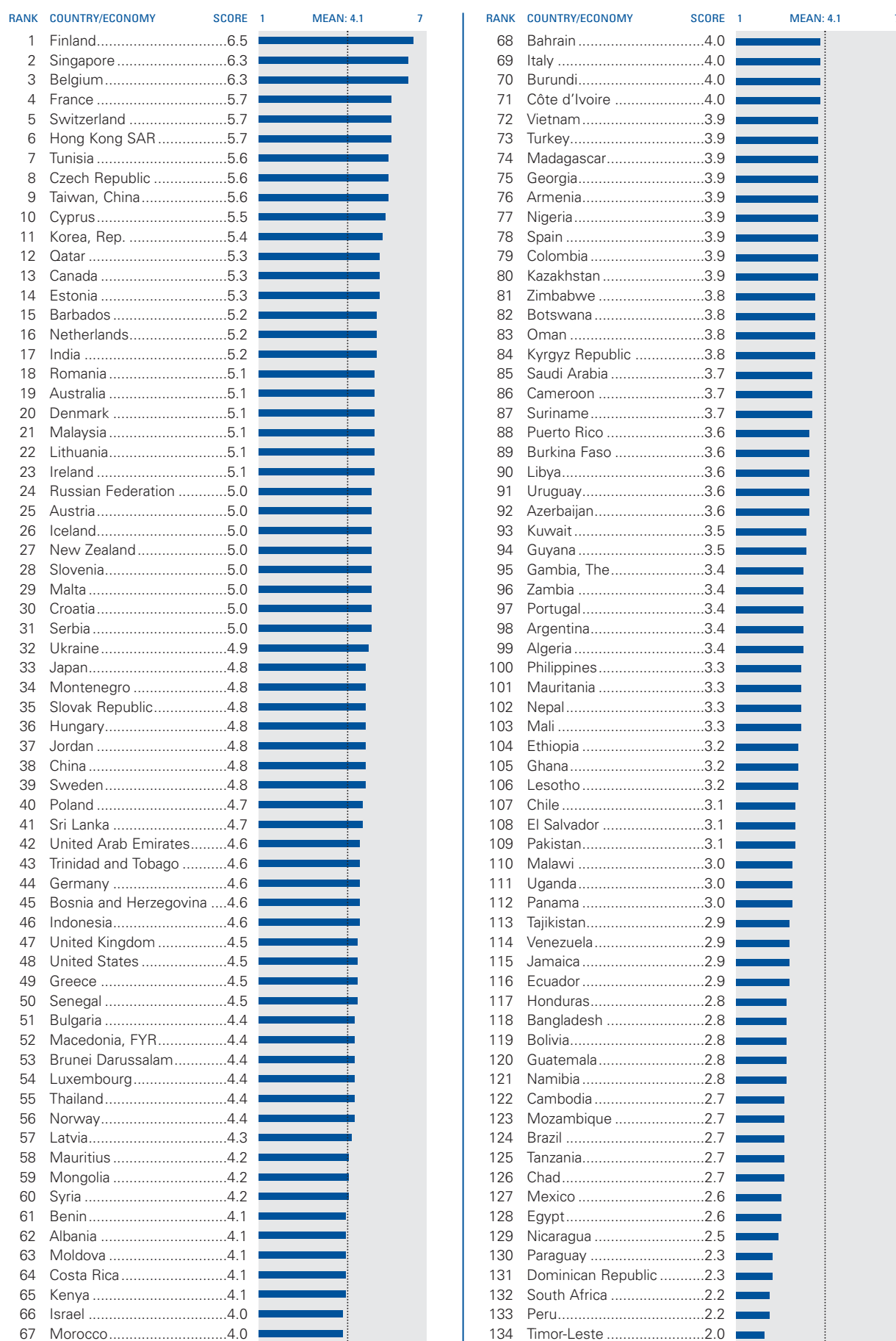
The educational system in your country (1 = does not meet the needs of a competitive economy, 7 = meets the needs of a competitive economy)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.7	7
1	Finland.....	6.2				68	Kazakhstan.....	3.6			
2	Singapore.....	6.2				69	Zambia.....	3.6			
3	Switzerland.....	6.0				70	Saudi Arabia.....	3.6			
4	Belgium.....	6.0				71	Romania.....	3.6			
5	Iceland.....	5.9				72	Malawi.....	3.6			
6	Denmark.....	5.8				73	Portugal.....	3.5			
7	Ireland.....	5.6				74	Kyrgyz Republic.....	3.4			
8	Canada.....	5.6				75	Ghana.....	3.4			
9	Australia.....	5.5				76	Slovak Republic.....	3.4			
10	Cyprus.....	5.4				77	Turkey.....	3.4			
11	Norway.....	5.4				78	Azerbaijan.....	3.3			
12	Sweden.....	5.3				79	Lesotho.....	3.3			
13	Netherlands.....	5.3				80	Albania.....	3.3			
14	Austria.....	5.2				81	Bulgaria.....	3.3			
15	Barbados.....	5.1				82	Greece.....	3.3			
16	Qatar.....	5.1				83	Georgia.....	3.3			
17	Tunisia.....	5.1				84	Italy.....	3.2			
18	Malaysia.....	5.0				85	Cameroon.....	3.2			
19	United States.....	5.0				86	Chile.....	3.2			
20	France.....	5.0				87	Hungary.....	3.2			
21	New Zealand.....	4.9				88	Ethiopia.....	3.2			
22	Hong Kong SAR.....	4.9				89	Benin.....	3.2			
23	Germany.....	4.9				90	Moldova.....	3.2			
24	Malta.....	4.9				91	Syria.....	3.1			
25	Taiwan, China.....	4.8				92	Bosnia and Herzegovina.....	3.1			
26	Czech Republic.....	4.7				93	Uganda.....	3.1			
27	Jordan.....	4.6				94	Kuwait.....	3.1			
28	United Kingdom.....	4.6				95	Tanzania.....	3.1			
29	Korea, Rep.....	4.6				96	Tajikistan.....	3.1			
30	Estonia.....	4.5				97	Nepal.....	3.0			
31	Japan.....	4.5				98	Armenia.....	3.0			
32	Costa Rica.....	4.5				99	Jamaica.....	3.0			
33	Kenya.....	4.4				100	Morocco.....	3.0			
34	Gambia, The.....	4.4				101	Suriname.....	3.0			
35	Slovenia.....	4.4				102	El Salvador.....	3.0			
36	Russian Federation.....	4.3				103	Madagascar.....	2.9			
37	India.....	4.3				104	Pakistan.....	2.9			
38	United Arab Emirates.....	4.3				105	Argentina.....	2.9			
39	Indonesia.....	4.2				106	Côte d'Ivoire.....	2.9			
40	Ukraine.....	4.2				107	Bangladesh.....	2.9			
41	Luxembourg.....	4.1				108	Panama.....	2.8			
42	Trinidad and Tobago.....	4.1				109	Mexico.....	2.8			
43	Zimbabwe.....	4.1				110	South Africa.....	2.8			
44	Sri Lanka.....	4.1				111	Venezuela.....	2.8			
45	Israel.....	4.0				112	Cambodia.....	2.7			
46	Philippines.....	4.0				113	Burkina Faso.....	2.7			
47	Mauritius.....	4.0				114	Namibia.....	2.7			
48	Brunei Darussalam.....	4.0				115	Mozambique.....	2.7			
49	Serbia.....	3.8				116	Honduras.....	2.7			
50	Botswana.....	3.8				117	Brazil.....	2.7			
51	Oman.....	3.8				118	Guatemala.....	2.6			
52	Spain.....	3.8				119	Mali.....	2.6			
53	Thailand.....	3.8				120	Vietnam.....	2.6			
54	Poland.....	3.8				121	Libya.....	2.6			
55	China.....	3.8				122	Algeria.....	2.5			
56	Bahrain.....	3.8				123	Burundi.....	2.5			
57	Montenegro.....	3.8				124	Mongolia.....	2.5			
58	Puerto Rico.....	3.8				125	Ecuador.....	2.5			
59	Senegal.....	3.8				126	Egypt.....	2.4			
60	Nigeria.....	3.7				127	Timor-Leste.....	2.4			
61	Colombia.....	3.7				128	Chad.....	2.3			
62	Uruguay.....	3.7				129	Mauritania.....	2.3			
63	Latvia.....	3.7				130	Nicaragua.....	2.3			
64	Lithuania.....	3.7				131	Dominican Republic.....	2.2			
65	Macedonia, FYR.....	3.7				132	Bolivia.....	2.2			
66	Croatia.....	3.6				133	Peru.....	2.1			
67	Guyana.....	3.6				134	Paraguay.....	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 5.04 Quality of math and science education

Math and science education in your country's schools (1 = lag far behind most other countries, 7 = are among the best in the world)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 5.05 Quality of management schools

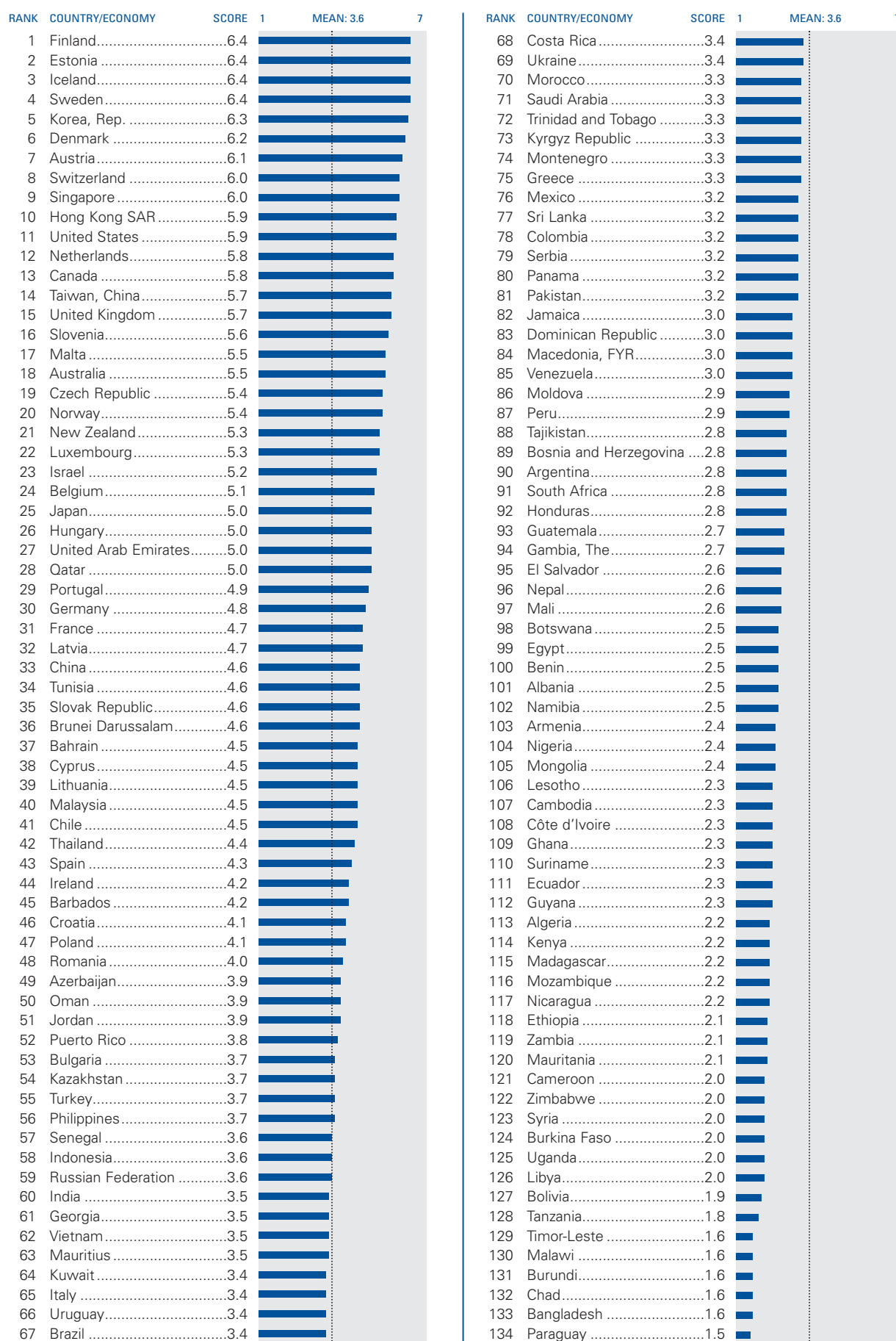
Management or business schools in your country are (1 = limited or of poor quality, 7 = among the best in the world)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7
1	France	6.1				68	Slovak Republic	4.0			
2	Switzerland	6.0				69	Madagascar	4.0			
3	United States	6.0				70	El Salvador	3.9			
4	Canada	5.9				71	Ukraine	3.9			
5	Belgium	5.9				72	Russian Federation	3.9			
6	Spain	5.9				73	Hungary	3.9			
7	Singapore	5.8				74	China	3.9			
8	Denmark	5.6				75	Saudi Arabia	3.9			
9	Finland	5.5				76	Ghana	3.9			
10	Netherlands	5.5				77	Croatia	3.9			
11	Australia	5.4				78	Cameroon	3.9			
12	India	5.4				79	Burkina Faso	3.8			
13	Iceland	5.4				80	Greece	3.8			
14	Ireland	5.4				81	Zambia	3.8			
15	Sweden	5.4				82	Japan	3.8			
16	Austria	5.3				83	Nicaragua	3.8			
17	Tunisia	5.3				84	Romania	3.8			
18	United Kingdom	5.3				85	Bahrain	3.8			
19	Chile	5.2				86	Luxembourg	3.8			
20	Costa Rica	5.2				87	Serbia	3.7			
21	Germany	5.1				88	Brunei Darussalam	3.7			
22	Norway	5.1				89	Kuwait	3.7			
23	Malaysia	5.1				90	Mauritius	3.7			
24	Israel	5.0				91	Panama	3.7			
25	South Africa	5.0				92	Macedonia, FYR	3.7			
26	Argentina	5.0				93	Bulgaria	3.7			
27	New Zealand	5.0				94	Pakistan	3.7			
28	Hong Kong SAR	5.0				95	Syria	3.6			
29	Senegal	4.9				96	Mali	3.6			
30	Korea, Rep.	4.8				97	Oman	3.6			
31	Philippines	4.8				98	Kazakhstan	3.6			
32	Estonia	4.8				99	Suriname	3.6			
33	Taiwan, China	4.8				100	Dominican Republic	3.5			
34	Czech Republic	4.7				101	Honduras	3.5			
35	Qatar	4.7				102	Zimbabwe	3.5			
36	Barbados	4.7				103	Burundi	3.4			
37	Trinidad and Tobago	4.6				104	Uganda	3.4			
38	Portugal	4.6				105	Botswana	3.4			
39	Slovenia	4.6				106	Guyana	3.4			
40	Malta	4.5				107	Bosnia and Herzegovina	3.4			
41	Sri Lanka	4.5				108	Bolivia	3.3			
42	Cyprus	4.5				109	Ecuador	3.3			
43	Poland	4.5				110	Georgia	3.3			
44	Puerto Rico	4.5				111	Kyrgyz Republic	3.3			
45	Jordan	4.5				112	Lesotho	3.3			
46	United Arab Emirates	4.5				113	Albania	3.3			
47	Guatemala	4.4				114	Bangladesh	3.2			
48	Indonesia	4.4				115	Ethiopia	3.2			
49	Thailand	4.4				116	Egypt	3.2			
50	Latvia	4.4				117	Algeria	3.1			
51	Colombia	4.4				118	Nepal	3.1			
52	Lithuania	4.3				119	Azerbaijan	3.1			
53	Mexico	4.3				120	Vietnam	3.1			
54	Uruguay	4.3				121	Malawi	3.1			
55	Kenya	4.3				122	Tanzania	3.0			
56	Benin	4.2				123	Cambodia	2.9			
57	Peru	4.2				124	Armenia	2.9			
58	Brazil	4.2				125	Tajikistan	2.9			
59	Nigeria	4.2				126	Moldova	2.8			
60	Venezuela	4.2				127	Paraguay	2.8			
61	Italy	4.2				128	Mongolia	2.7			
62	Côte d'Ivoire	4.2				129	Mozambique	2.7			
63	Morocco	4.2				130	Libya	2.6			
64	Jamaica	4.2				131	Mauritania	2.5			
65	Turkey	4.1				132	Chad	2.4			
66	Gambia, The	4.1				133	Namibia	2.4			
67	Montenegro	4.1				134	Timor-Leste	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 5.06 Internet access in schools

Internet access in schools is (1 = very limited, 7 = extensive—most children have frequent access)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 5.07 Local availability of specialized research and training services

In your country, specialized research and training services are (1 = not available, 7 = available from world-class local institutions)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.0	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.0	7
1	United States	6.1				68	Turkey	3.9			
2	Switzerland	6.0				69	Morocco	3.8			
3	Netherlands	5.8				70	Bulgaria	3.8			
4	Finland	5.8				71	Russian Federation	3.8			
5	Germany	5.8				72	Bahrain	3.8			
6	Denmark	5.8				73	Hungary	3.8			
7	Sweden	5.7				74	Serbia	3.8			
8	France	5.7				75	Latvia	3.8			
9	United Kingdom	5.7				76	Vietnam	3.8			
10	Canada	5.6				77	Uruguay	3.8			
11	Belgium	5.6				78	Montenegro	3.8			
12	Japan	5.5				79	Oman	3.8			
13	Singapore	5.4				80	Burkina Faso	3.7			
14	Israel	5.3				81	El Salvador	3.7			
15	Australia	5.3				82	Kazakhstan	3.7			
16	Austria	5.2				83	Honduras	3.7			
17	Iceland	5.1				84	Côte d'Ivoire	3.7			
18	Norway	5.1				85	Benin	3.7			
19	Taiwan, China	5.0				86	Peru	3.7			
20	Korea, Rep.	5.0				87	Greece	3.7			
21	Estonia	4.9				88	Mali	3.6			
22	Ireland	4.9				89	Dominican Republic	3.6			
23	Czech Republic	4.9				90	Mauritius	3.6			
24	New Zealand	4.9				91	Trinidad and Tobago	3.6			
25	Hong Kong SAR	4.9				92	Egypt	3.6			
26	Brazil	4.9				93	Gambia, The	3.5			
27	Malaysia	4.9				94	Cameroon	3.5			
28	Tunisia	4.8				95	Syria	3.5			
29	South Africa	4.7				96	Malta	3.5			
30	Senegal	4.7				97	Zambia	3.5			
31	Puerto Rico	4.7				98	Madagascar	3.4			
32	India	4.7				99	Macedonia, FYR	3.4			
33	Slovenia	4.7				100	Venezuela	3.4			
34	Portugal	4.7				101	Ghana	3.4			
35	Italy	4.6				102	Malawi	3.3			
36	Kenya	4.5				103	Pakistan	3.3			
37	Spain	4.5				104	Botswana	3.3			
38	Luxembourg	4.5				105	Brunei Darussalam	3.2			
39	China	4.5				106	Libya	3.2			
40	Costa Rica	4.4				107	Tanzania	3.2			
41	Sri Lanka	4.4				108	Mongolia	3.2			
42	Saudi Arabia	4.4				109	Lesotho	3.2			
43	Indonesia	4.4				110	Ecuador	3.2			
44	United Arab Emirates	4.4				111	Algeria	3.2			
45	Qatar	4.4				112	Nicaragua	3.1			
46	Chile	4.3				113	Burundi	3.1			
47	Croatia	4.3				114	Ethiopia	3.1			
48	Guatemala	4.3				115	Cambodia	3.1			
49	Cyprus	4.3				116	Mozambique	3.1			
50	Poland	4.2				117	Georgia	3.0			
51	Philippines	4.2				118	Bolivia	3.0			
52	Nigeria	4.2				119	Nepal	2.9			
53	Jordan	4.1				120	Guyana	2.9			
54	Barbados	4.1				121	Zimbabwe	2.9			
55	Mexico	4.1				122	Moldova	2.9			
56	Lithuania	4.1				123	Suriname	2.9			
57	Jamaica	4.1				124	Albania	2.8			
58	Thailand	4.1				125	Armenia	2.8			
59	Slovak Republic	4.1				126	Bosnia and Herzegovina	2.8			
60	Argentina	4.0				127	Chad	2.8			
61	Colombia	4.0				128	Kyrgyz Republic	2.8			
62	Uganda	4.0				129	Mauritania	2.8			
63	Romania	4.0				130	Bangladesh	2.8			
64	Kuwait	4.0				131	Paraguay	2.7			
65	Panama	3.9				132	Tajikistan	2.7			
66	Ukraine	3.9				133	Timor-Leste	2.6			
67	Azerbaijan	3.9				134	Namibia	2.6			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 5.08 Extent of staff training

The general approach of companies in your country to human resources is (1 = to invest little in training and employee development, 7 = to invest heavily to attract, train, and retain employees)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008





# Section VI

## Goods market efficiency

## 6.01 Intensity of local competition

Competition in the local market is (1 = limited in most industries, 7 = intense in most industries)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.02 Extent of market dominance

Corporate activity in your country is (1 = dominated by a few business groups, 7 = spread among many firms)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.03 Effectiveness of anti-monopoly policy

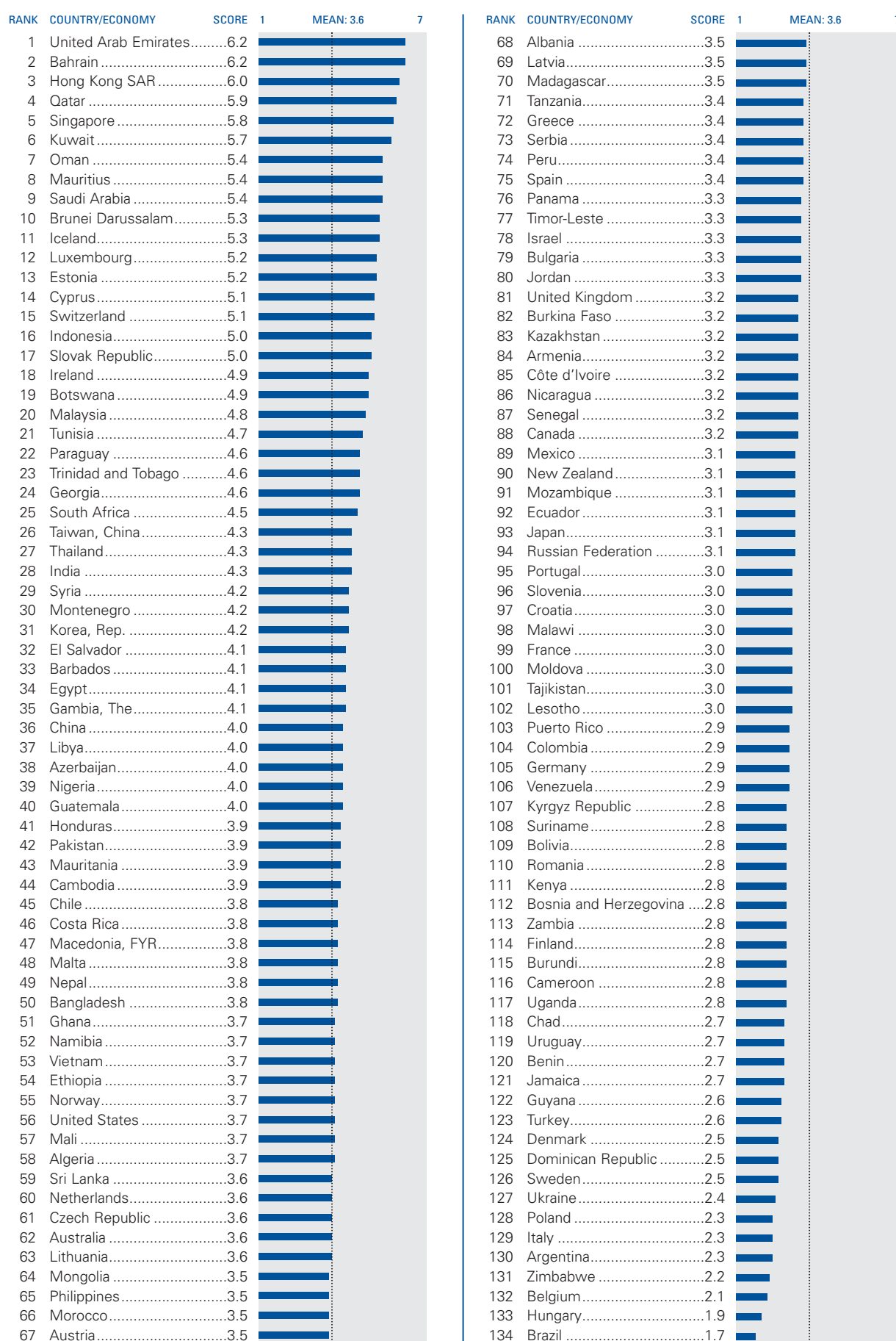
Anti-monopoly policy in your country is (1 = lax and not effective at promoting competition, 7 = effective and promotes competition)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.0	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.0	7
1	Netherlands	6.0				68	Benin	3.9			
2	Germany	6.0				69	Jamaica	3.8			
3	Denmark	5.9				70	Malawi	3.8			
4	Sweden	5.9				71	Syria	3.8			
5	Australia	5.9				72	Libya	3.7			
6	Finland	5.8				73	Burkina Faso	3.7			
7	Austria	5.7				74	Mauritius	3.6			
8	United States	5.6				75	Senegal	3.6			
9	Norway	5.6				76	Kuwait	3.6			
10	New Zealand	5.5				77	Philippines	3.6			
11	France	5.5				78	Cameroon	3.6			
12	Belgium	5.5				79	Mauritania	3.6			
13	South Africa	5.5				80	Uganda	3.6			
14	Puerto Rico	5.4				81	Madagascar	3.6			
15	United Kingdom	5.4				82	Mali	3.5			
16	Canada	5.4				83	Brunei Darussalam	3.5			
17	Iceland	5.3				84	Zambia	3.5			
18	Ireland	5.3				85	Montenegro	3.5			
19	Switzerland	5.3				86	Croatia	3.5			
20	Singapore	5.3				87	Honduras	3.5			
21	Japan	5.3				88	Namibia	3.5			
22	Luxembourg	5.2				89	Tanzania	3.4			
23	Korea, Rep.	5.1				90	Kazakhstan	3.4			
24	Tunisia	5.0				91	Vietnam	3.4			
25	Chile	5.0				92	Mexico	3.4			
26	Taiwan, China	4.9				93	Bulgaria	3.4			
27	Cyprus	4.9				94	El Salvador	3.3			
28	India	4.9				95	Russian Federation	3.3			
29	Indonesia	4.8				96	Ukraine	3.3			
30	Portugal	4.8				97	Uruguay	3.3			
31	Estonia	4.8				98	Egypt	3.3			
32	Israel	4.7				99	Burundi	3.3			
33	Spain	4.7				100	Tajikistan	3.3			
34	Czech Republic	4.6				101	Guyana	3.3			
35	Slovak Republic	4.6				102	Venezuela	3.3			
36	Brazil	4.6				103	Botswana	3.3			
37	Sri Lanka	4.5				104	Lesotho	3.2			
38	Jordan	4.5				105	Guatemala	3.2			
39	Gambia, The	4.5				106	Argentina	3.2			
40	Malaysia	4.5				107	Macedonia, FYR	3.2			
41	Turkey	4.3				108	Zimbabwe	3.2			
42	Saudi Arabia	4.3				109	Trinidad and Tobago	3.2			
43	Malta	4.3				110	Dominican Republic	3.1			
44	Hungary	4.3				111	Georgia	3.1			
45	Bahrain	4.2				112	Ethiopia	3.1			
46	Morocco	4.2				113	Bangladesh	3.1			
47	Qatar	4.2				114	Algeria	3.1			
48	Slovenia	4.2				115	Nepal	3.0			
49	Panama	4.2				116	Côte d'Ivoire	3.0			
50	Greece	4.2				117	Kyrgyz Republic	3.0			
51	United Arab Emirates	4.1				118	Cambodia	2.9			
52	Barbados	4.1				119	Azerbaijan	2.9			
53	Hong Kong SAR	4.1				120	Mozambique	2.9			
54	Latvia	4.0				121	Mongolia	2.9			
55	China	4.0				122	Ghana	2.9			
56	Costa Rica	4.0				123	Moldova	2.8			
57	Colombia	4.0				124	Nicaragua	2.8			
58	Lithuania	4.0				125	Albania	2.8			
59	Italy	4.0				126	Timor-Leste	2.8			
60	Oman	3.9				127	Chad	2.7			
61	Poland	3.9				128	Suriname	2.7			
62	Kenya	3.9				129	Serbia	2.6			
63	Peru	3.9				130	Paraguay	2.6			
64	Romania	3.9				131	Bolivia	2.5			
65	Nigeria	3.9				132	Armenia	2.5			
66	Thailand	3.9				133	Ecuador	2.5			
67	Pakistan	3.9				134	Bosnia and Herzegovina	2.4			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.04 Extent and effect of taxation

The level of taxes in your country (1 = significantly limits the incentives to work or invest, 7 = has little impact on the incentives to work or invest)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.05 Total tax rate (hard data)

This variable is a combination of profit tax (% of profits), labor tax and contribution (% of profits), and other taxes (% of profits) | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Kuwait	14.4	67	Tanzania	44.3
1	United Arab Emirates	14.4	69	Portugal	44.8
3	Saudi Arabia	14.5	70	Turkey	45.1
4	Zambia	16.1	71	Côte d'Ivoire	45.4
5	Botswana	17.2	72	Canada	45.9
6	Lesotho	20.8	73	Senegal	46.0
7	Oman	21.6	74	United States	46.2
8	Mauritius	21.7	75	Madagascar	46.5
9	Cambodia	22.6	76	Syria	46.7
10	Singapore	23.2	77	Albania	46.8
11	Hong Kong SAR	24.4	78	Romania	46.9
12	Chile	25.9	79	Finland	47.8
13	Namibia	26.5	80	Egypt	47.9
14	Iceland	27.2	81	Lithuania	48.3
15	Suriname	27.9	82	Czech Republic	48.6
16	Timor-Leste	28.3	82	Greece	48.6
17	Ireland	28.9	84	Burkina Faso	48.9
18	Switzerland	29.1	85	Estonia	49.2
19	Nigeria	29.9	86	Macedonia, FYR	49.8
20	Ethiopia	31.1	87	Slovak Republic	50.5
20	Jordan	31.1	88	Australia	50.6
22	Montenegro	31.6	89	Germany	50.8
23	Malawi	32.2	89	Panama	50.8
24	Uganda	32.3	91	Kenya	50.9
25	Croatia	32.5	92	Mexico	51.2
25	Nepal	32.5	93	Jamaica	51.3
27	Latvia	32.6	94	Honduras	51.4
28	Ghana	32.9	94	Mali	51.4
29	Trinidad and Tobago	33.1	94	Russian Federation	51.4
30	Denmark	33.3	97	Cameroon	51.9
31	El Salvador	33.8	98	Japan	52.0
32	Mozambique	34.3	99	Philippines	52.8
33	Korea, Rep.	34.9	100	Zimbabwe	53.0
34	New Zealand	35.1	101	Morocco	53.1
35	Ecuador	35.3	102	Venezuela	53.3
35	Luxembourg	35.3	103	Sweden	54.5
35	Paraguay	35.3	104	Austria	54.6
38	United Kingdom	35.7	105	Hungary	55.1
39	Serbia	35.8	106	Costa Rica	55.7
40	Israel	36.0	107	Ukraine	57.3
40	Malaysia	36.0	108	Tunisia	61.0
42	Armenia	36.6	109	Kyrgyz Republic	61.4
43	Bulgaria	36.7	110	Spain	62.0
43	Kazakhstan	36.7	111	Nicaragua	63.2
45	South Africa	37.1	112	Chad	63.7
46	Indonesia	37.3	112	Sri Lanka	63.7
47	Brunei Darussalam	37.4	114	Belgium	64.3
48	Guatemala	37.5	115	France	66.3
49	Thailand	37.7	116	Brazil	69.2
50	Mongolia	38.4	117	India	70.6
50	Poland	38.4	118	Algeria	72.6
52	Georgia	38.6	119	Benin	73.3
53	Guyana	39.0	120	China	73.9
54	Slovenia	39.2	121	Italy	76.2
55	Bangladesh	39.5	122	Bolivia	78.1
56	Dominican Republic	40.2	123	Tajikistan	82.2
57	Taiwan, China	40.6	124	Colombia	82.4
58	Pakistan	40.7	125	Mauritania	107.5
58	Uruguay	40.7	126	Argentina	112.9
60	Azerbaijan	40.9	127	Burundi	278.7
61	Vietnam	41.1	128	Gambia, The	286.7
62	Peru	41.5	n/a	Bahrain	n/a
63	Norway	42.0	n/a	Barbados	n/a
64	Netherlands	43.4	n/a	Cyprus	n/a
65	Moldova	44.0	n/a	Libya	n/a
66	Bosnia and Herzegovina	44.1	n/a	Malta	n/a
67	Puerto Rico	44.3	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

## 6.06 Number of procedures required to start a business (hard data)

Number of procedures required to start a business | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Australia	2	58	Moldova	9
1	Canada	2	58	Nigeria	9
1	New Zealand	2	58	Oman	9
4	Belgium	3	58	Slovak Republic	9
4	Finland	3	58	Slovenia	9
4	Sweden	3	58	Timor-Leste	9
7	Denmark	4	58	Trinidad and Tobago	9
7	Ireland	4	75	Albania	10
9	Estonia	5	75	Cambodia	10
9	France	5	75	Côte d'Ivoire	10
9	Georgia	5	75	Czech Republic	10
9	Hong Kong SAR	5	75	Jordan	10
9	Iceland	5	75	Korea, Rep.	10
9	Israel	5	75	Malawi	10
9	Latvia	5	75	Mozambique	10
9	Madagascar	5	75	Namibia	10
9	Singapore	5	75	Peru	10
9	Sri Lanka	5	75	Poland	10
19	Burkina Faso	6	75	Senegal	10
19	Hungary	6	75	Spain	10
19	Jamaica	6	75	Tunisia	10
19	Luxembourg	6	75	Ukraine	10
19	Mauritius	6	75	Zimbabwe	10
19	Morocco	6	91	Botswana	11
19	Netherlands	6	91	Burundi	11
19	Nicaragua	6	91	Colombia	11
19	Norway	6	91	Ghana	11
19	Romania	6	91	Guatemala	11
19	Switzerland	6	91	Mali	11
19	Turkey	6	91	Mauritania	11
19	United Kingdom	6	91	Pakistan	11
19	United States	6	91	Serbia	11
19	Zambia	6	91	United Arab Emirates	11
34	Benin	7	91	Uruguay	11
34	Egypt	7	91	Vietnam	11
34	Ethiopia	7	103	Bosnia and Herzegovina	12
34	Lithuania	7	103	Costa Rica	12
34	Nepal	7	103	Indonesia	12
34	Panama	7	103	Kenya	12
34	Paraguay	7	103	Tanzania	12
34	Portugal	7	108	Azerbaijan	13
34	Puerto Rico	7	108	Cameroon	13
34	Saudi Arabia	7	108	China	13
44	Austria	8	108	Honduras	13
44	Bangladesh	8	108	India	13
44	Croatia	8	108	Kuwait	13
44	Guyana	8	108	Suriname	13
44	Japan	8	108	Syria	13
44	Kazakhstan	8	108	Tajikistan	13
44	Kyrgyz Republic	8	117	Algeria	14
44	Lesotho	8	117	Argentina	14
44	Mexico	8	117	Ecuador	14
44	Mongolia	8	120	Bolivia	15
44	Russian Federation	8	120	Greece	15
44	South Africa	8	120	Montenegro	15
44	Taiwan, China	8	120	Philippines	15
44	Thailand	8	124	Venezuela	16
58	Armenia	9	125	Brazil	18
58	Bulgaria	9	125	Brunei Darussalam	18
58	Chile	9	125	Uganda	18
58	Dominican Republic	9	128	Chad	19
58	El Salvador	9	n/a	Bahrain	n/a
58	Gambia, The	9	n/a	Barbados	n/a
58	Germany	9	n/a	Cyprus	n/a
58	Italy	9	n/a	Libya	n/a
58	Macedonia, FYR	9	n/a	Malta	n/a
58	Malaysia	9	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*



## 6.07 Time required to start a business (hard data)

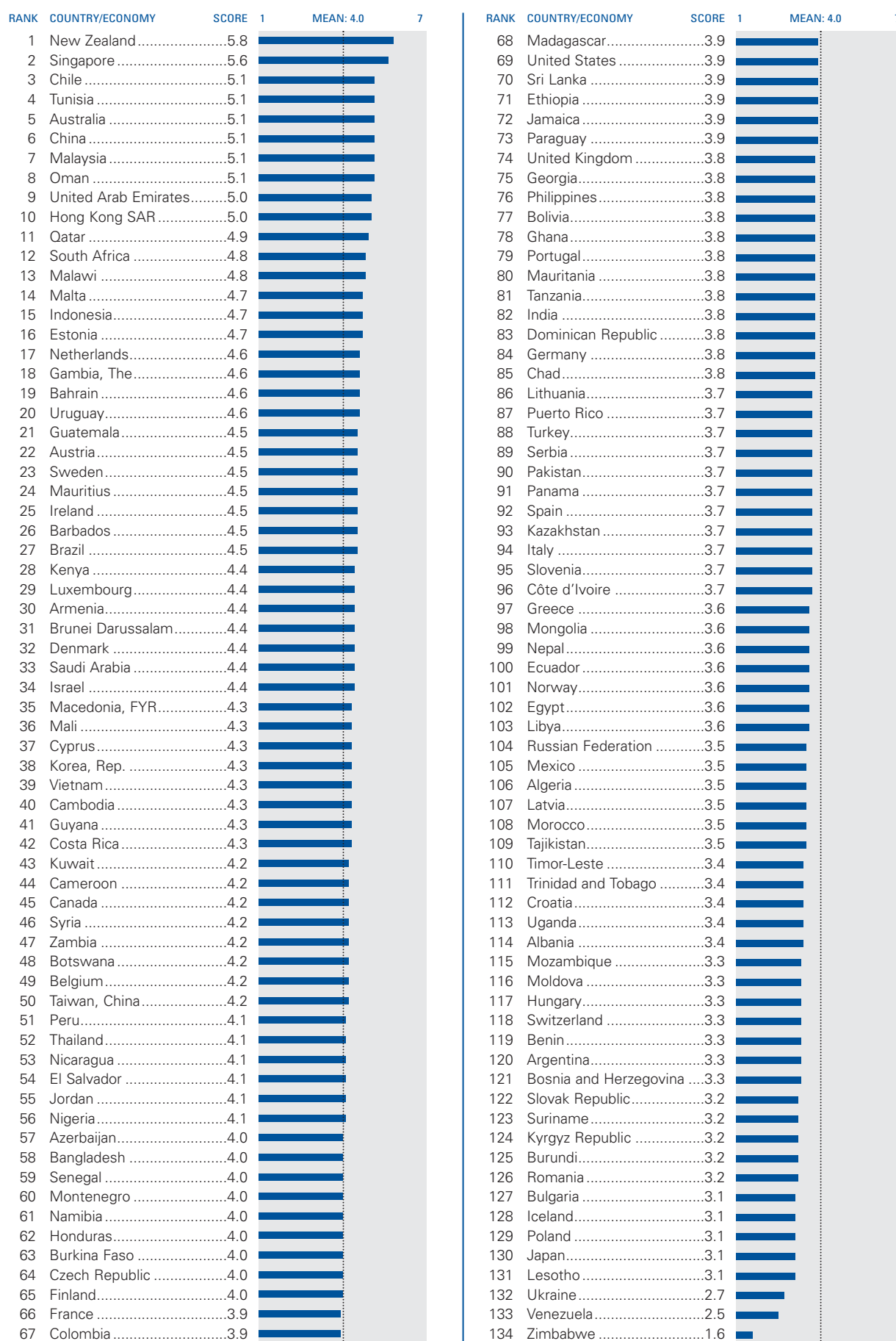
Number of days required to start a business | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Australia	2	66	Tanzania	29
2	Canada	3	69	Azerbaijan	30
3	Belgium	4	70	Argentina	31
4	Iceland	5	70	Benin	31
4	Singapore	5	70	Nepal	31
6	Denmark	6	70	Poland	31
6	Turkey	6	70	South Africa	31
6	United States	6	75	Bulgaria	32
9	Estonia	7	75	Gambia, The	32
9	France	7	77	India	33
9	Madagascar	7	77	Thailand	33
9	Mauritius	7	77	Zambia	33
9	Portugal	7	80	Israel	34
9	Puerto Rico	7	80	Nigeria	34
15	Jamaica	8	80	Oman	34
16	Egypt	9	83	China	35
17	Netherlands	10	83	Kuwait	35
17	Norway	10	83	Paraguay	35
19	Georgia	11	86	Albania	36
19	Hong Kong SAR	11	87	Cameroon	37
19	Tunisia	11	87	Malawi	37
22	Morocco	12	89	Greece	38
22	New Zealand	12	90	Nicaragua	39
24	Ireland	13	90	Sri Lanka	39
24	Italy	13	92	Côte d'Ivoire	40
24	United Kingdom	13	92	Croatia	40
27	Finland	14	94	Colombia	42
27	Jordan	14	94	Ghana	42
27	Romania	14	96	Burundi	43
30	Macedonia, FYR	15	96	Syria	43
30	Saudi Arabia	15	96	Trinidad and Tobago	43
30	Sweden	15	99	Guyana	44
33	Ethiopia	16	99	Kenya	44
33	Hungary	16	99	Uruguay	44
33	Latvia	16	102	Spain	47
36	Czech Republic	17	103	Taiwan, China	48
36	Korea, Rep.	17	104	Tajikistan	49
38	Armenia	18	105	Bolivia	50
38	Burkina Faso	18	105	Vietnam	50
38	Germany	18	107	Philippines	52
41	Panama	19	108	Bosnia and Herzegovina	54
42	Mongolia	20	109	Senegal	58
42	Switzerland	20	110	Slovenia	60
44	Honduras	21	111	United Arab Emirates	62
44	Kazakhstan	21	112	Ecuador	65
44	Kyrgyz Republic	21	112	Mauritania	65
47	Dominican Republic	22	114	Peru	72
48	Japan	23	115	Lesotho	73
48	Moldova	23	116	Bangladesh	74
48	Serbia	23	117	Chad	75
51	Algeria	24	118	Costa Rica	77
51	Malaysia	24	119	Timor-Leste	82
51	Montenegro	24	120	Cambodia	86
51	Pakistan	24	121	Zimbabwe	96
55	Slovak Republic	25	122	Namibia	99
56	El Salvador	26	123	Indonesia	105
56	Guatemala	26	124	Botswana	108
56	Lithuania	26	125	Brunei Darussalam	116
56	Luxembourg	26	126	Venezuela	141
56	Mali	26	127	Brazil	152
61	Chile	27	128	Suriname	694
61	Mexico	27	n/a	Bahrain	n/a
61	Ukraine	27	n/a	Barbados	n/a
64	Austria	28	n/a	Cyprus	n/a
64	Uganda	28	n/a	Libya	n/a
66	Mozambique	29	n/a	Malta	n/a
66	Russian Federation	29	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

## 6.08 Agricultural policy costs

Agricultural policy in your country (1 = is excessively burdensome for the economy, 7 = balances the interests of taxpayers, consumers, and producers)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.09 Prevalence of trade barriers

In your country, tariff and non-tariff barriers significantly reduce the ability of imported goods to compete in the domestic market (1 = strongly agree, 7 = strongly disagree)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Hong Kong SAR	6.7				68	Uruguay	4.6			
2	Singapore	6.3				69	India	4.6			
3	New Zealand	6.2				70	Malaysia	4.6			
4	Sweden	6.2				71	Guatemala	4.6			
5	Chile	6.1				72	China	4.5			
6	Slovak Republic	6.0				73	Jordan	4.5			
7	Finland	6.0				74	Bulgaria	4.5			
8	Czech Republic	5.9				75	Burkina Faso	4.5			
9	Austria	5.9				76	Benin	4.5			
10	Luxembourg	5.9				77	Barbados	4.5			
11	United Arab Emirates	5.8				78	Tanzania	4.4			
12	Ireland	5.8				79	Macedonia, FYR	4.4			
13	Denmark	5.7				80	Brunei Darussalam	4.4			
14	Ghana	5.7				81	Iceland	4.4			
15	Estonia	5.7				82	Libya	4.4			
16	Belgium	5.6				83	Nigeria	4.4			
17	Malta	5.6				84	Panama	4.4			
18	Netherlands	5.6				85	Japan	4.4			
19	Cyprus	5.6				86	Mauritania	4.4			
20	Latvia	5.5				87	Algeria	4.3			
21	Portugal	5.5				88	Malawi	4.3			
22	Australia	5.5				89	Côte d'Ivoire	4.3			
23	Jamaica	5.5				90	Switzerland	4.3			
24	Bahrain	5.5				91	Paraguay	4.3			
25	Qatar	5.5				92	Cameroon	4.3			
26	Israel	5.5				93	Costa Rica	4.3			
27	France	5.4				94	Bangladesh	4.3			
28	Georgia	5.4				95	Philippines	4.2			
29	Hungary	5.4				96	Serbia	4.2			
30	Mauritius	5.4				97	Sri Lanka	4.2			
31	Germany	5.4				98	Norway	4.2			
32	Greece	5.4				99	Madagascar	4.2			
33	United Kingdom	5.3				100	Morocco	4.2			
34	Indonesia	5.3				101	Thailand	4.2			
35	Moldova	5.3				102	Azerbaijan	4.1			
36	Slovenia	5.2				103	Dominican Republic	4.1			
37	United States	5.2				104	Armenia	4.1			
38	Canada	5.1				105	Cambodia	4.1			
39	Korea, Rep.	5.1				106	Brazil	4.1			
40	Suriname	5.1				107	Mozambique	4.1			
41	Zambia	5.0				108	Senegal	4.1			
42	Botswana	5.0				109	Uganda	4.1			
43	South Africa	5.0				110	Vietnam	4.0			
44	Turkey	4.9				111	Colombia	4.0			
45	Spain	4.9				112	Syria	4.0			
46	Italy	4.9				113	Ukraine	4.0			
47	Namibia	4.9				114	Russian Federation	4.0			
48	Puerto Rico	4.9				115	Pakistan	4.0			
49	Trinidad and Tobago	4.9				116	Nicaragua	3.9			
50	Lithuania	4.8				117	Burundi	3.9			
51	Honduras	4.8				118	Egypt	3.9			
52	Oman	4.8				119	Ethiopia	3.8			
53	Bosnia and Herzegovina	4.8				120	Kenya	3.7			
54	Taiwan, China	4.8				121	Mali	3.7			
55	Mexico	4.8				122	Mongolia	3.7			
56	Montenegro	4.8				123	Kazakhstan	3.7			
57	Tunisia	4.8				124	Kyrgyz Republic	3.6			
58	Guyana	4.7				125	Lesotho	3.6			
59	Peru	4.7				126	Nepal	3.6			
60	Saudi Arabia	4.7				127	Tajikistan	3.5			
61	Romania	4.7				128	Chad	3.5			
62	Kuwait	4.7				129	Argentina	3.4			
63	Albania	4.7				130	Zimbabwe	3.4			
64	Croatia	4.7				131	Venezuela	3.3			
65	Poland	4.7				132	Ecuador	3.3			
66	Gambia, The	4.7				133	Bolivia	3.3			
67	El Salvador	4.6				134	Timor-Leste	3.2			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.10 Trade-weighted tariff rate (hard data)

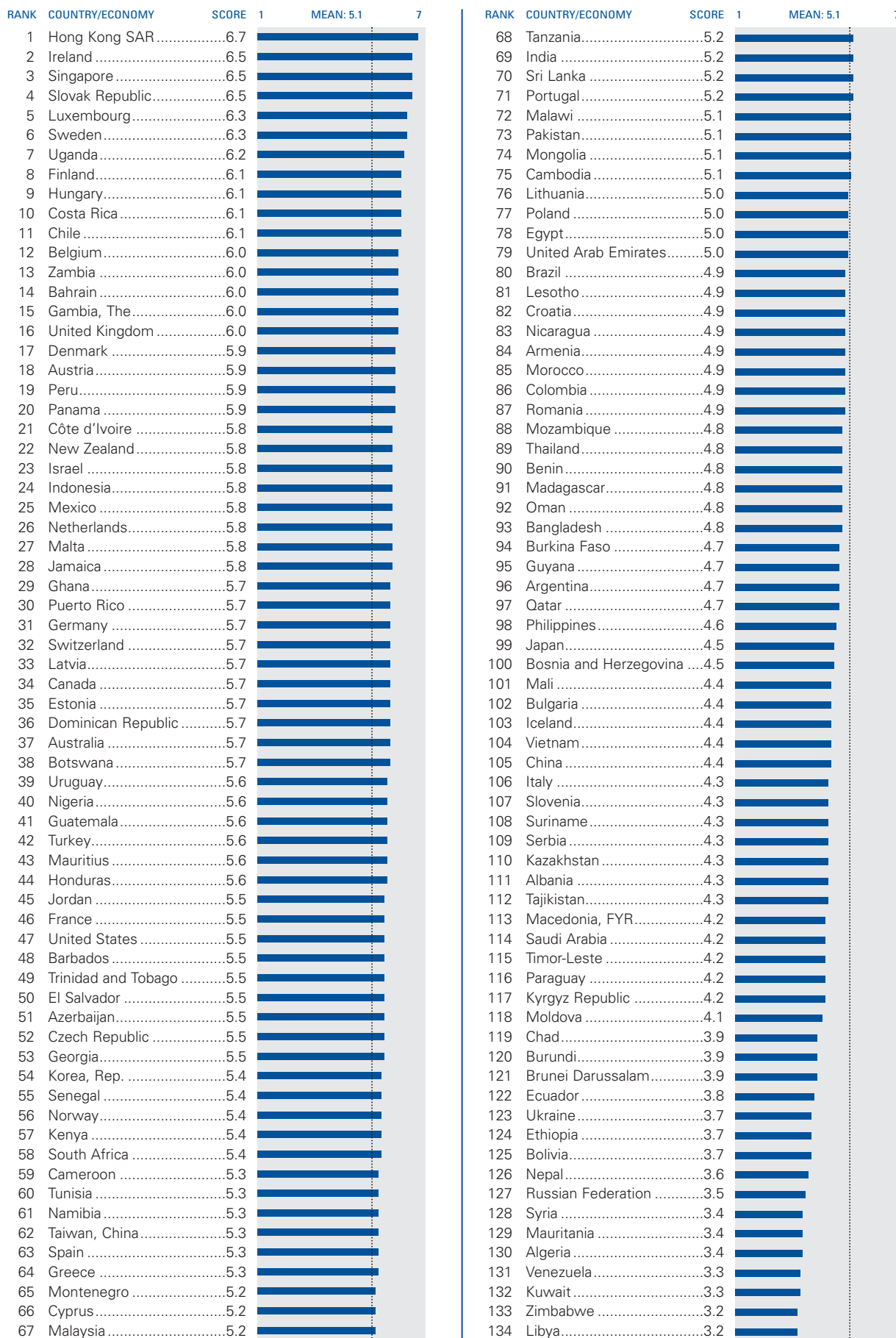
The average rate of duty per imported value unit | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Hong Kong SAR	0.0	68	Paraguay	5.7
1	Libya	0.0	69	Tajikistan	5.8
3	Singapore	0.0	70	Brunei Darussalam	5.8
4	Georgia	0.6	71	Saudi Arabia	5.9
5	Austria	1.1	72	Malaysia	5.9
5	Belgium	1.1	73	Azerbaijan	6.0
5	Bulgaria	1.1	74	Nicaragua	6.1
5	Cyprus	1.1	75	South Africa	6.2
5	Czech Republic	1.1	76	Uruguay	6.2
5	Denmark	1.1	77	Honduras	6.4
5	Estonia	1.1	78	Dominican Republic	6.6
5	Finland	1.1	79	Peru	6.8
5	France	1.1	80	Kenya	7.6
5	Germany	1.1	81	Thailand	7.6
5	Greece	1.1	82	Tanzania	7.7
5	Hungary	1.1	83	Mozambique	7.7
5	Ireland	1.1	84	Benin	7.8
5	Italy	1.1	85	Suriname	7.9
5	Latvia	1.1	86	Mauritania	8.0
5	Lithuania	1.1	87	Bolivia	8.0
5	Luxembourg	1.1	88	Sri Lanka	8.2
5	Malta	1.1	89	Madagascar	8.4
5	Netherlands	1.1	90	Argentina	8.5
5	Poland	1.1	91	Namibia	8.5
5	Portugal	1.1	92	Brazil	8.5
5	Romania	1.1	93	Ecuador	8.6
5	Slovak Republic	1.1	94	Bosnia and Herzegovina	8.9
5	Slovenia	1.1	95	Jamaica	8.9
5	Spain	1.1	96	Macedonia, FYR	9.2
5	Sweden	1.1	97	Australia	9.4
5	United Kingdom	1.1	98	Senegal	9.8
32	New Zealand	1.5	99	Korea, Rep.	9.9
33	Puerto Rico	1.7	100	Burkina Faso	9.9
33	United States	1.7	100	Mali	9.9
35	Croatia	2.5	102	Colombia	10.3
36	Canada	2.6	103	Côte d'Ivoire	10.5
37	Costa Rica	3.0	104	Ghana	10.5
38	Switzerland	3.1	105	Mexico	11.1
39	Montenegro	3.2	106	Uganda	11.1
40	Japan	3.3	107	Cambodia	11.2
41	Armenia	3.3	108	Zambia	11.6
42	Guatemala	3.5	109	Burundi	11.6
43	Mauritius	3.6	110	Kyrgyz Republic	11.7
44	Kuwait	3.7	111	Guyana	12.0
45	Moldova	3.9	112	Jordan	12.1
46	El Salvador	3.9	113	Ethiopia	12.4
47	Kazakhstan	3.9	114	Morocco	12.7
48	Turkey	4.0	115	Malawi	12.7
49	Ukraine	4.0	116	Nepal	12.8
50	Qatar	4.1	117	Zimbabwe	13.0
51	Lesotho	4.2	118	Nigeria	13.0
52	Philippines	4.2	119	Bangladesh	13.0
53	Israel	4.4	120	Pakistan	13.2
54	Norway	4.5	121	Cameroon	14.1
55	Serbia	4.6	122	China	14.2
56	Botswana	4.6	123	Barbados	14.6
57	Chile	4.7	124	Chad	14.7
58	United Arab Emirates	4.8	125	Russian Federation	14.8
59	Iceland	4.8	126	Vietnam	14.9
60	Oman	4.9	127	Venezuela	15.0
61	Bahrain	5.0	128	Algeria	15.6
62	Mongolia	5.0	129	Gambia, The	16.2
63	Trinidad and Tobago	5.2	130	Tunisia	16.8
64	Panama	5.2	131	India	18.7
65	Albania	5.2	132	Egypt	21.8
66	Indonesia	5.4	133	Syria	22.9
67	Taiwan, China	5.4	n/a	Timor-Leste	n/a

SOURCE: International Trade Centre

## 6.11 Prevalence of foreign ownership

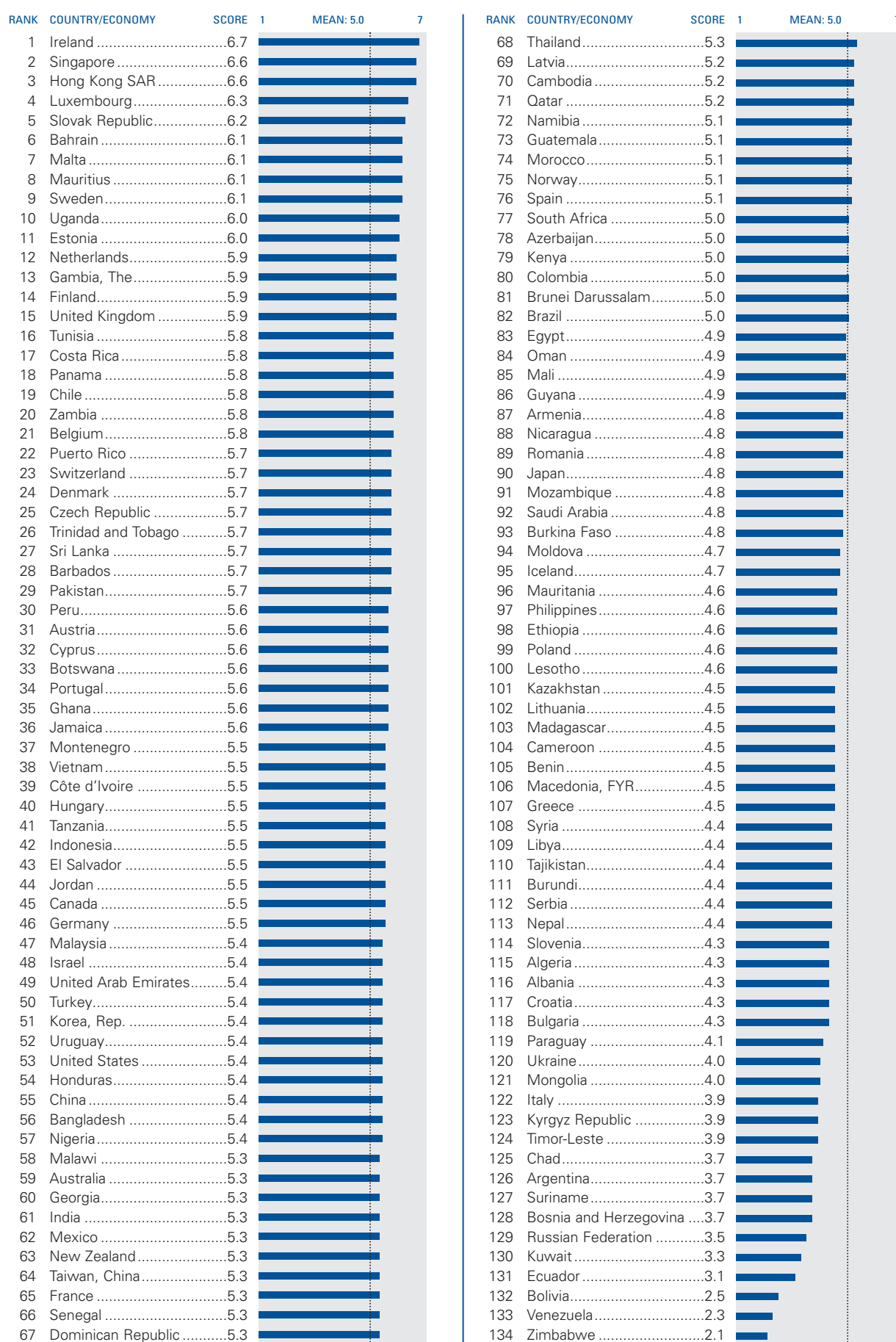
Foreign ownership of companies in your country is (1 = rare and limited, 7 = prevalent and encouraged)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.12 Business impact of rules on FDI

In your country, rules governing foreign direct investment (1 = discourage foreign direct investment, 7 = encourage foreign direct investment)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.13 Burden of customs procedures

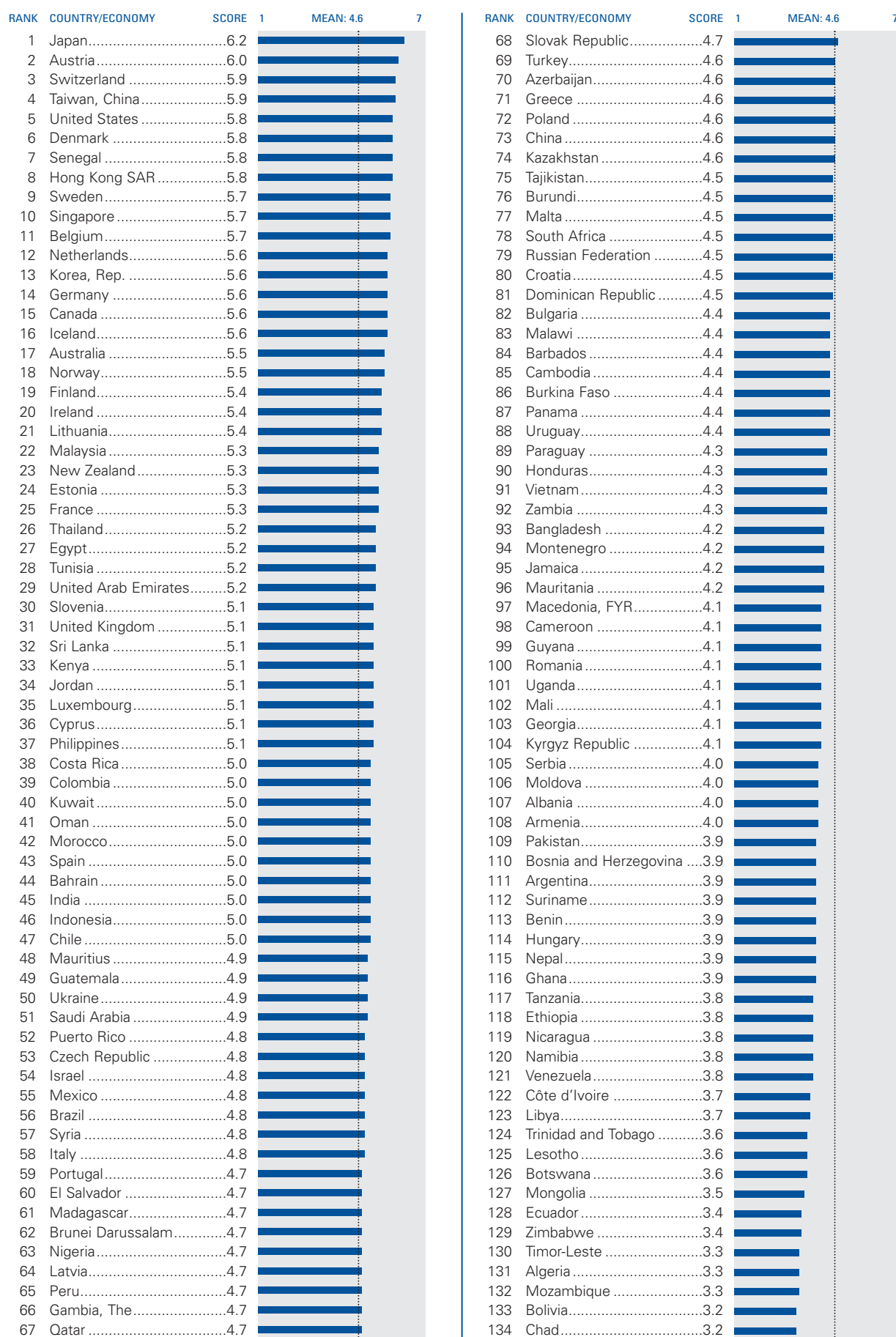
Customs procedures (formalities regulating the entry and exit of merchandise) in your country are (1 = extremely slow and cumbersome, 7 = rapid and efficient)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 6.14 Degree of customer orientation

Customer orientation: Firms in your country (1 = generally treat their customers badly, 7 = are highly responsive to customers and customer retention)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 6.15 Buyer sophistication

Buyers in your country make purchasing decisions (1 = based solely on the lowest price, 7 = based on a sophisticated analysis of performance attributes)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.7	7
1	Switzerland	5.4				68	Kuwait	3.6			
2	Japan	5.3				69	Brazil	3.6			
3	Taiwan, China	5.2				70	Honduras	3.6			
4	Hong Kong SAR	5.2				71	Romania	3.6			
5	United States	5.1				72	El Salvador	3.6			
6	Sweden	5.1				73	Namibia	3.6			
7	Austria	5.1				74	Russian Federation	3.5			
8	Denmark	5.1				75	Kazakhstan	3.5			
9	Singapore	5.1				76	Trinidad and Tobago	3.5			
10	Korea, Rep.	5.0				77	Slovak Republic	3.5			
11	Finland	4.9				78	Turkey	3.5			
12	Luxembourg	4.9				79	Dominican Republic	3.5			
13	Netherlands	4.9				80	Latvia	3.5			
14	Canada	4.9				81	Ukraine	3.4			
15	Norway	4.9				82	Croatia	3.4			
16	Germany	4.8				83	Jordan	3.4			
17	Belgium	4.8				84	Botswana	3.3			
18	France	4.8				85	Venezuela	3.3			
19	Australia	4.8				86	Georgia	3.3			
20	Ireland	4.8				87	Bulgaria	3.3			
21	China	4.8				88	Armenia	3.3			
22	United Kingdom	4.7				89	Lesotho	3.2			
23	Malaysia	4.6				90	Azerbaijan	3.2			
24	Iceland	4.6				91	Algeria	3.2			
25	Indonesia	4.6				92	Mongolia	3.2			
26	Cyprus	4.6				93	Bangladesh	3.2			
27	New Zealand	4.5				94	Pakistan	3.2			
28	South Africa	4.5				95	Hungary	3.1			
29	Chile	4.4				96	Kenya	3.1			
30	Tunisia	4.4				97	Zambia	3.1			
31	Spain	4.4				98	Suriname	3.1			
32	Puerto Rico	4.3				99	Brunei Darussalam	3.1			
33	Sri Lanka	4.3				100	Nicaragua	3.1			
34	United Arab Emirates	4.3				101	Gambia, The	3.0			
35	Costa Rica	4.2				102	Serbia	3.0			
36	Bahrain	4.2				103	Kyrgyz Republic	3.0			
37	Israel	4.2				104	Macedonia, FYR	3.0			
38	India	4.2				105	Nepal	3.0			
39	Qatar	4.1				106	Burkina Faso	3.0			
40	Italy	4.1				107	Zimbabwe	3.0			
41	Czech Republic	4.1				108	Benin	2.9			
42	Barbados	4.1				109	Albania	2.9			
43	Oman	4.0				110	Tanzania	2.9			
44	Thailand	4.0				111	Tajikistan	2.8			
45	Slovenia	4.0				112	Syria	2.8			
46	Morocco	3.9				113	Cameroon	2.8			
47	Vietnam	3.9				114	Guyana	2.8			
48	Argentina	3.9				115	Ecuador	2.8			
49	Peru	3.9				116	Moldova	2.7			
50	Philippines	3.9				117	Malawi	2.7			
51	Greece	3.9				118	Côte d'Ivoire	2.7			
52	Mexico	3.8				119	Bosnia and Herzegovina	2.7			
53	Panama	3.8				120	Madagascar	2.7			
54	Malta	3.8				121	Mali	2.7			
55	Mauritius	3.8				122	Paraguay	2.7			
56	Estonia	3.8				123	Libya	2.6			
57	Portugal	3.8				124	Ghana	2.6			
58	Saudi Arabia	3.8				125	Ethiopia	2.6			
59	Guatemala	3.7				126	Senegal	2.5			
60	Poland	3.7				127	Mauritania	2.5			
61	Nigeria	3.7				128	Bolivia	2.5			
62	Colombia	3.7				129	Uganda	2.5			
63	Montenegro	3.7				130	Egypt	2.4			
64	Uruguay	3.7				131	Mozambique	2.4			
65	Cambodia	3.7				132	Timor-Leste	2.4			
66	Jamaica	3.7				133	Burundi	2.3			
67	Lithuania	3.7				134	Chad	2.2			

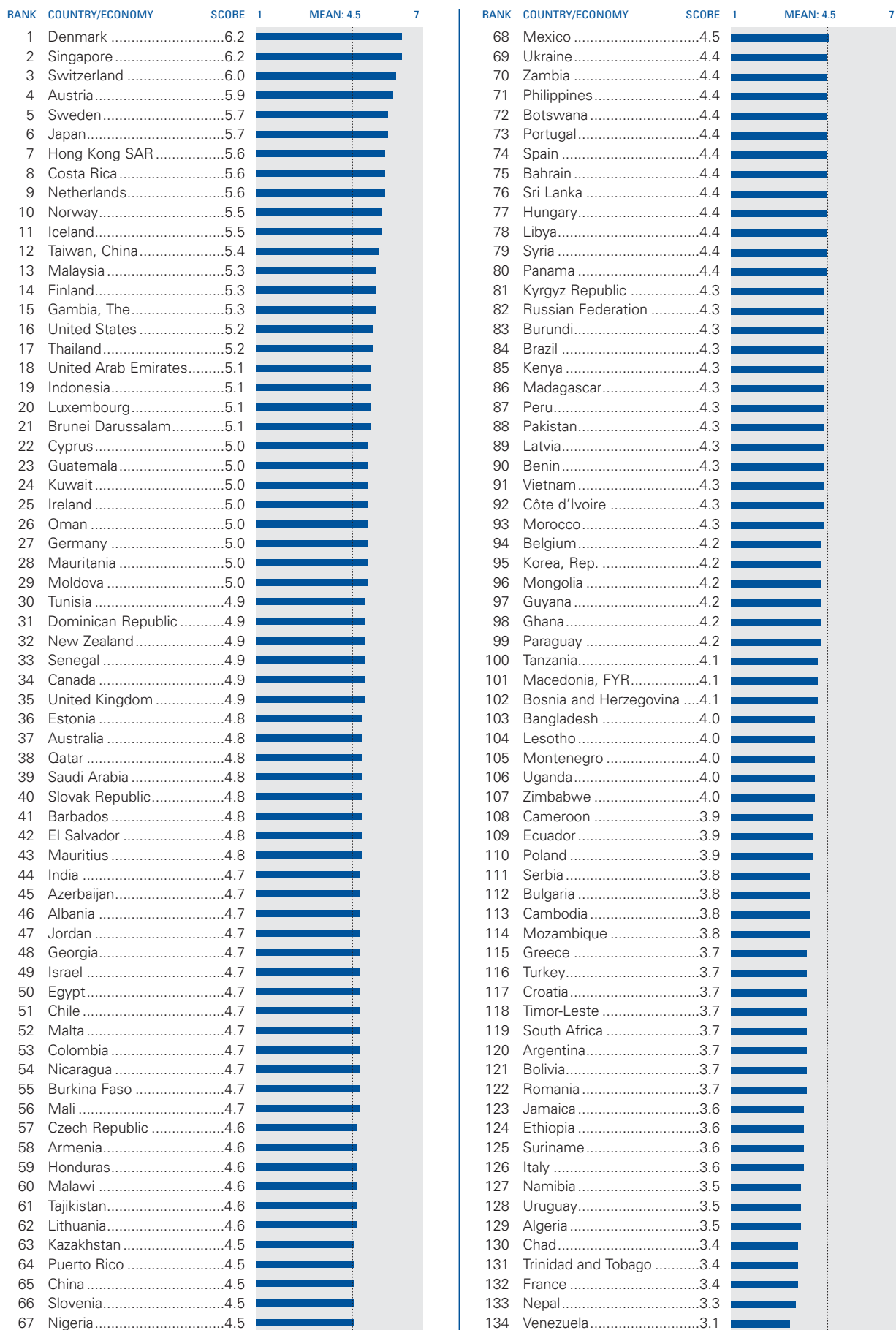
SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

# Section VII

## Labor market efficiency

## 7.01 Cooperation in labor-employer relations

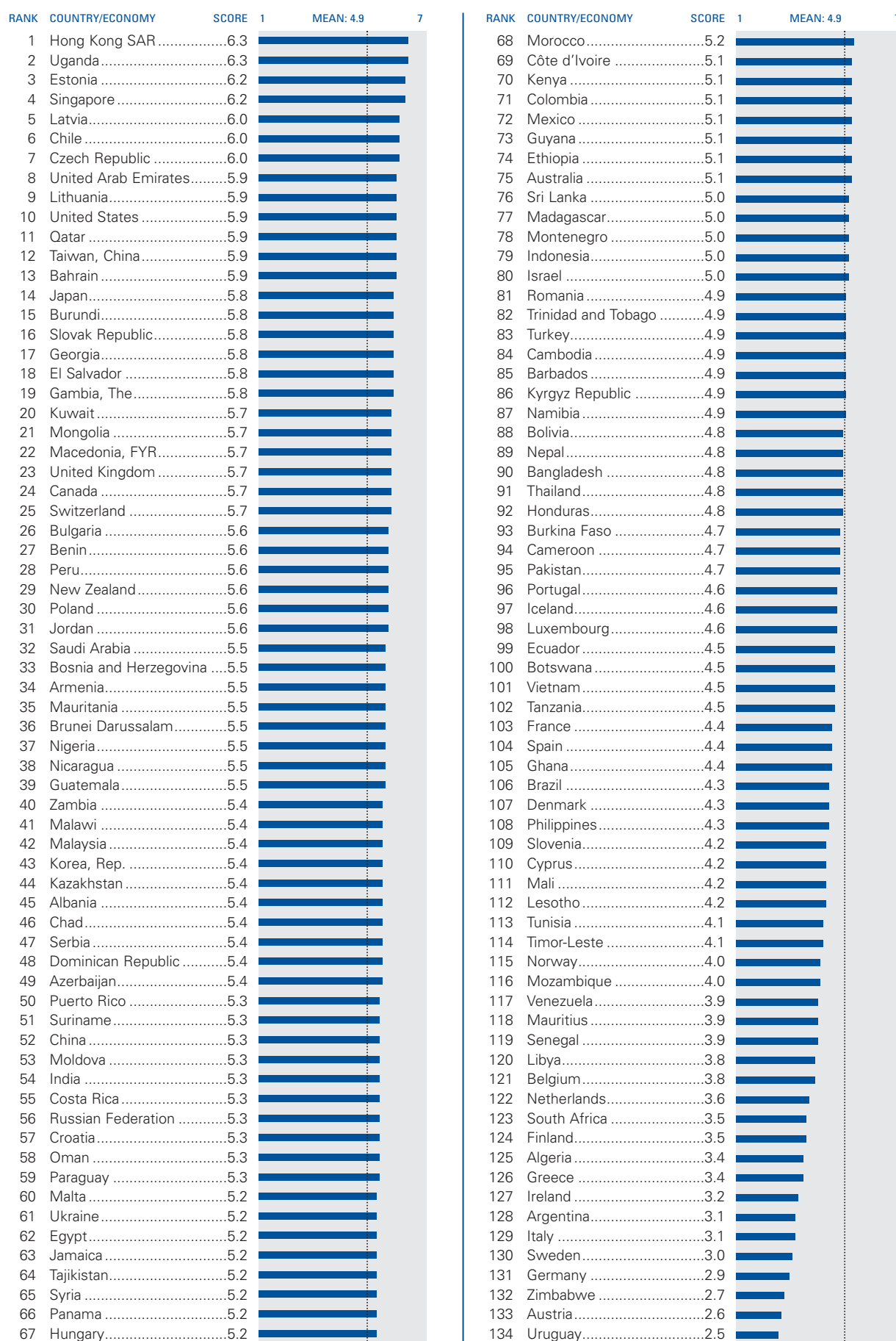
Labor-employer relations in your country are (1 = generally confrontational, 7 = generally cooperative)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.02 Flexibility of wage determination

In your country, wages are (1 = set by a centralized bargaining process, 7 = up to each individual company)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.03 Non-wage labor costs (hard data)

This variable estimates social security payments and payroll taxes associated with hiring an employee in fiscal year 2006, expressed as a percentage of the worker's salary | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Bangladesh	0	65	Venezuela	16
1	Botswana	0	69	Croatia	17
1	Cambodia	0	69	India	17
1	Ethiopia	0	69	Nicaragua	17
1	Lesotho	0	69	Paraguay	17
1	Namibia	0	69	Syria	17
1	Suriname	0	69	Vietnam	17
1	Timor-Leste	0	75	Côte d'Ivoire	18
9	Denmark	1	75	Madagascar	18
9	Malawi	1	75	Montenegro	18
9	New Zealand	1	75	Netherlands	18
12	Chile	3	75	Serbia	18
12	Trinidad and Tobago	3	80	Armenia	19
14	Kenya	4	80	Germany	19
14	Mozambique	4	80	Morocco	19
14	South Africa	4	80	Panama	19
14	Zimbabwe	4	80	Slovenia	19
18	Brunei Darussalam	5	85	Australia	20
18	Hong Kong SAR	5	85	Burkina Faso	20
20	Israel	6	85	Georgia	20
20	Mauritius	6	85	Mongolia	20
20	Thailand	6	89	Chad	21
20	Uruguay	6	89	Kyrgyz Republic	21
24	Burundi	7	89	Mexico	21
24	Philippines	7	89	Poland	21
26	Guyana	8	89	Senegal	21
26	United States	8	94	Albania	22
28	Nigeria	9	94	Azerbaijan	22
28	Zambia	9	94	Tunisia	22
30	Honduras	10	94	Turkey	22
30	Indonesia	10	98	Bulgaria	23
30	Nepal	10	99	Latvia	24
30	Peru	10	99	Portugal	24
30	Uganda	10	101	Egypt	25
35	Gambia, The	11	101	Tajikistan	25
35	Ireland	11	103	Argentina	26
35	Jordan	11	103	Costa Rica	26
35	Kuwait	11	103	Finland	26
35	Oman	11	106	Algeria	27
35	Pakistan	11	107	Greece	28
35	Saudi Arabia	11	107	Mali	28
35	United Kingdom	11	107	Moldova	28
43	Ecuador	12	110	Benin	29
43	Iceland	12	110	Colombia	29
43	Jamaica	12	112	Austria	31
46	Canada	13	112	Lithuania	31
46	Ghana	13	112	Romania	31
46	Guatemala	13	112	Russian Federation	31
46	Japan	13	116	Sweden	32
46	Korea, Rep.	13	117	Estonia	33
46	Luxembourg	13	117	Macedonia, FYR	33
46	Puerto Rico	13	117	Spain	33
46	Singapore	13	120	Hungary	34
46	Taiwan, China	13	121	Czech Republic	35
46	United Arab Emirates	13	121	Slovak Republic	35
56	Bolivia	14	123	Brazil	37
56	Dominican Republic	14	123	Italy	37
56	Kazakhstan	14	125	Ukraine	38
56	Norway	14	126	China	44
60	Bosnia and Herzegovina	15	127	France	47
60	El Salvador	15	128	Belgium	55
60	Malaysia	15	n/a	Bahrain	n/a
60	Sri Lanka	15	n/a	Barbados	n/a
60	Switzerland	15	n/a	Cyprus	n/a
65	Cameroon	16	n/a	Libya	n/a
65	Mauritania	16	n/a	Malta	n/a
65	Tanzania	16	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

## 7.04 Rigidity of employment (hard data)

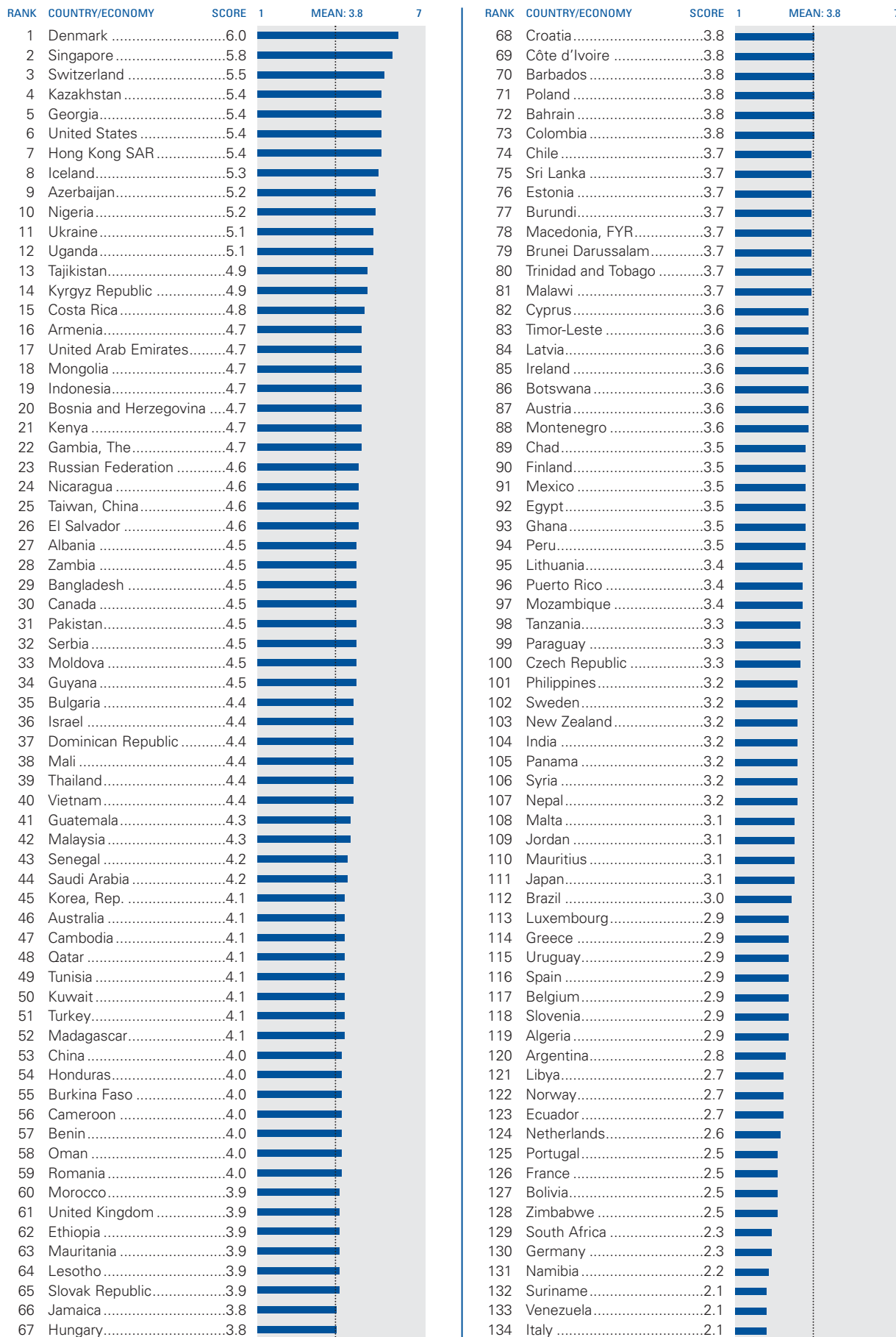
Rigidity of Employment Index on a 0–100 (worst) scale | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Hong Kong SAR	0	65	Poland	37
1	Singapore	0	65	Syria	37
1	United States	0	70	Azerbaijan	38
4	Australia	3	70	Côte d'Ivoire	38
4	Uganda	3	70	Italy	38
6	Canada	4	70	Kyrgyz Republic	38
6	Jamaica	4	70	Mali	38
8	Brunei Darussalam	7	70	Moldova	38
8	Georgia	7	70	Montenegro	38
8	New Zealand	7	77	Sweden	39
8	Nigeria	7	78	Benin	40
8	Trinidad and Tobago	7	79	Argentina	41
8	United Kingdom	7	79	Burundi	41
14	Denmark	10	81	Netherlands	42
14	Malaysia	10	81	South Africa	42
16	Kuwait	13	81	Turkey	42
16	Saudi Arabia	13	84	Honduras	43
18	Ireland	17	84	Latvia	43
18	Japan	17	84	Pakistan	43
18	Switzerland	17	87	Germany	44
21	Thailand	18	87	Indonesia	44
22	Belgium	20	87	Russian Federation	44
22	Botswana	20	90	Cambodia	45
22	Kazakhstan	20	90	Mauritania	45
22	Namibia	20	90	Ukraine	45
22	United Arab Emirates	20	93	Bosnia and Herzegovina	46
27	Kenya	21	93	Brazil	46
27	Puerto Rico	21	93	Cameroon	46
29	Gambia, The	23	93	Chad	46
29	Mauritius	23	93	Serbia	46
29	Suriname	23	98	Norway	47
32	Chile	24	99	Algeria	48
32	China	24	99	Finland	48
32	El Salvador	24	99	Lithuania	48
32	Guyana	24	99	Mexico	48
32	Israel	24	99	Portugal	48
32	Lesotho	24	104	Taiwan, China	49
32	Oman	24	104	Tunisia	49
39	Malawi	25	106	Croatia	50
40	Colombia	27	106	Macedonia, FYR	50
40	Egypt	27	108	Ecuador	51
40	Nicaragua	27	108	Tajikistan	51
40	Sri Lanka	27	110	Nepal	52
40	Vietnam	27	111	Mozambique	54
45	Guatemala	28	112	Greece	55
45	Iceland	28	112	Peru	55
47	Bulgaria	29	114	France	56
48	Hungary	30	114	Spain	56
48	India	30	116	Estonia	58
48	Jordan	30	117	Paraguay	59
51	Armenia	31	118	Burkina Faso	61
51	Czech Republic	31	118	Senegal	61
51	Uruguay	31	120	Luxembourg	62
54	Costa Rica	32	121	Madagascar	63
54	Dominican Republic	32	121	Morocco	63
56	Zimbabwe	33	121	Slovenia	63
57	Ethiopia	34	121	Tanzania	63
57	Mongolia	34	125	Romania	66
57	Timor-Leste	34	126	Panama	69
57	Zambia	34	127	Bolivia	79
61	Albania	35	127	Venezuela	79
61	Bangladesh	35	n/a	Bahrain	n/a
61	Philippines	35	n/a	Barbados	n/a
64	Slovak Republic	36	n/a	Cyprus	n/a
65	Austria	37	n/a	Libya	n/a
65	Ghana	37	n/a	Malta	n/a
65	Korea, Rep.	37	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

## 7.05 Hiring and firing practices

The hiring and firing of workers is (1 = impeded by regulations, 7 = flexibly determined by employers)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.06 Firing costs (hard data)

Firing costs (in weeks of wages) | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Denmark	0	67	Moldova	37
1	New Zealand	0	69	Senegal	38
1	Puerto Rico	0	70	Cambodia	39
1	United States	0	70	Croatia	39
5	Austria	2	70	Luxembourg	39
5	Italy	2	70	Montenegro	39
7	Australia	4	74	Ethiopia	40
7	Brunei Darussalam	4	74	Slovenia	40
7	Georgia	4	76	Lesotho	44
7	Japan	4	76	Panama	44
7	Jordan	4	78	Kenya	47
7	Oman	4	79	Côte d'Ivoire	49
7	Singapore	4	80	Nigeria	50
14	Romania	8	81	Chile	52
15	Bulgaria	9	81	Mexico	52
15	Gambia, The	9	81	Peru	52
15	Kazakhstan	9	84	Thailand	54
15	Mongolia	9	85	Albania	56
19	Armenia	13	85	Guyana	56
19	Iceland	13	85	India	56
19	Norway	13	85	Spain	56
19	Poland	13	89	Colombia	59
19	Slovak Republic	13	90	Jamaica	61
19	Switzerland	13	91	Hong Kong SAR	62
19	Uganda	13	92	Trinidad and Tobago	67
19	Ukraine	13	93	Germany	69
27	Belgium	16	94	Honduras	74
28	Algeria	17	95	Malaysia	75
28	Kyrgyz Republic	17	96	Kuwait	78
28	Latvia	17	97	Saudi Arabia	80
28	Netherlands	17	97	Syria	80
28	Russian Federation	17	99	Malawi	84
28	Timor-Leste	17	99	United Arab Emirates	84
28	Tunisia	17	101	Morocco	85
35	Azerbaijan	22	102	El Salvador	86
35	Czech Republic	22	103	Vietnam	87
35	Tajikistan	22	104	Dominican Republic	88
35	United Kingdom	22	105	Botswana	90
39	Greece	24	105	Nepal	90
39	Ireland	24	105	Pakistan	90
39	Namibia	24	108	China	91
39	Nicaragua	24	108	Israel	91
39	South Africa	24	108	Korea, Rep.	91
44	Serbia	25	108	Philippines	91
45	Burundi	26	108	Taiwan, China	91
45	Finland	26	113	Portugal	95
45	Macedonia, FYR	26	113	Turkey	95
45	Suriname	26	115	Guatemala	101
45	Sweden	26	116	Bangladesh	104
50	Canada	28	117	Indonesia	108
51	Lithuania	30	118	Paraguay	113
51	Madagascar	30	119	Egypt	132
53	Bosnia and Herzegovina	31	120	Ecuador	135
53	Mali	31	121	Argentina	139
53	Mauritania	31	122	Mozambique	143
53	Uruguay	31	123	Sri Lanka	169
57	France	32	124	Ghana	178
57	Tanzania	32	124	Zambia	178
59	Cameroon	33	126	Zimbabwe	446
60	Burkina Faso	34	127	Bolivia	not possible
61	Costa Rica	35	127	Venezuela	not possible
61	Estonia	35	n/a	Bahrain	n/a
61	Hungary	35	n/a	Barbados	n/a
61	Mauritius	35	n/a	Cyprus	n/a
65	Benin	36	n/a	Libya	n/a
65	Chad	36	n/a	Malta	n/a
67	Brazil	37	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*



## 7.07 Pay and productivity

In your country, pay is (1 = not related to worker productivity, 7 = strongly related to worker productivity)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.2	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.2	7
1	Hong Kong SAR	5.9				68	Cyprus	4.2			
2	Singapore	5.7				69	Pakistan	4.2			
3	Slovak Republic	5.5				70	Mexico	4.2			
4	Taiwan, China	5.4				71	Malta	4.2			
5	Switzerland	5.4				72	Romania	4.2			
6	Malaysia	5.4				73	Panama	4.2			
7	United States	5.3				74	Norway	4.1			
8	Estonia	5.2				75	Hungary	4.1			
9	China	5.1				76	Ireland	4.1			
10	Albania	5.1				77	Nicaragua	4.1			
11	Russian Federation	5.0				78	Mongolia	4.1			
12	Japan	5.0				79	Macedonia, FYR	4.1			
13	Czech Republic	5.0				80	Poland	4.0			
14	Korea, Rep.	5.0				81	South Africa	4.0			
15	Moldova	5.0				82	France	4.0			
16	Ukraine	5.0				83	Austria	4.0			
17	Vietnam	4.9				84	Spain	4.0			
18	Indonesia	4.9				85	Jamaica	4.0			
19	Qatar	4.9				86	Nigeria	4.0			
20	United Arab Emirates	4.9				87	Morocco	3.9			
21	Chile	4.8				88	Côte d'Ivoire	3.9			
22	Brunei Darussalam	4.8				89	Madagascar	3.9			
23	Lithuania	4.8				90	Netherlands	3.9			
24	Denmark	4.8				91	Guyana	3.9			
25	New Zealand	4.8				92	Peru	3.9			
26	Australia	4.8				93	Serbia	3.8			
27	Tajikistan	4.8				94	Botswana	3.8			
28	Puerto Rico	4.7				95	Bangladesh	3.8			
29	Iceland	4.7				96	Belgium	3.8			
30	Latvia	4.7				97	Suriname	3.8			
31	Canada	4.7				98	Malawi	3.7			
32	United Kingdom	4.7				99	Barbados	3.7			
33	Kazakhstan	4.7				100	Mozambique	3.7			
34	Oman	4.6				101	Ecuador	3.7			
35	Gambia, The	4.6				102	Turkey	3.7			
36	Kyrgyz Republic	4.6				103	Greece	3.7			
37	Slovenia	4.6				104	Colombia	3.7			
38	Costa Rica	4.6				105	Syria	3.7			
39	Georgia	4.6				106	Tanzania	3.6			
40	Saudi Arabia	4.5				107	Lesotho	3.6			
41	Guatemala	4.5				108	Paraguay	3.6			
42	Bulgaria	4.5				109	Zambia	3.6			
43	Thailand	4.5				110	Namibia	3.6			
44	Portugal	4.5				111	Bolivia	3.5			
45	India	4.5				112	Benin	3.5			
46	Azerbaijan	4.5				113	Senegal	3.5			
47	Armenia	4.5				114	Egypt	3.5			
48	Kenya	4.5				115	Cameroon	3.4			
49	Israel	4.4				116	Timor-Leste	3.4			
50	Dominican Republic	4.4				117	Trinidad and Tobago	3.4			
51	Germany	4.4				118	Uganda	3.4			
52	El Salvador	4.4				119	Nepal	3.4			
53	Sri Lanka	4.4				120	Mauritania	3.4			
54	Bahrain	4.3				121	Burkina Faso	3.4			
55	Honduras	4.3				122	Venezuela	3.3			
56	Tunisia	4.3				123	Zimbabwe	3.3			
57	Philippines	4.3				124	Uruguay	3.3			
58	Montenegro	4.3				125	Argentina	3.3			
59	Sweden	4.3				126	Ethiopia	3.2			
60	Finland	4.3				127	Ghana	3.2			
61	Kuwait	4.3				128	Mali	3.1			
62	Croatia	4.3				129	Bosnia and Herzegovina	3.1			
63	Jordan	4.3				130	Chad	3.0			
64	Cambodia	4.3				131	Italy	2.9			
65	Mauritius	4.2				132	Algeria	2.9			
66	Brazil	4.2				133	Libya	2.6			
67	Luxembourg	4.2				134	Burundi	2.5			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.08 Reliance on professional management

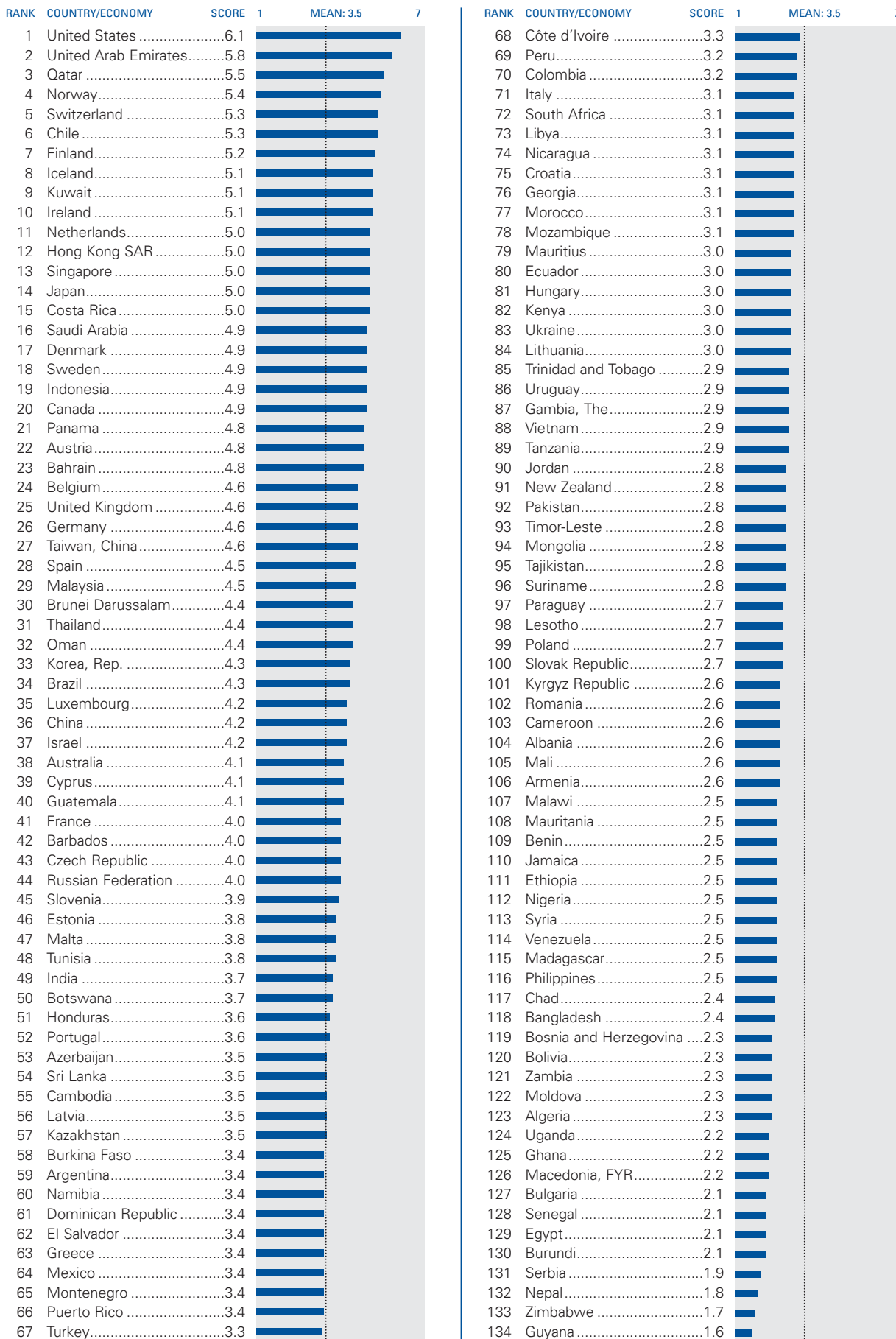
Senior management positions in your country are (1 = usually held by relatives or friends without regard to merit, 7 = mostly held by professional managers chosen for their superior qualification)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.09 Brain drain

Your country's talented people (1 = normally leave to pursue opportunities in other countries, 7 = almost always remain in the country)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 7.10 Female participation in labor force (hard data)

Female participation in the labor force as a percentage of male participation | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Mozambique	1.0	68	Luxembourg	0.8
2	Burundi	1.0	69	Tajikistan	0.8
3	Serbia	1.0	70	Namibia	0.7
4	Tanzania	1.0	71	Peru	0.7
5	Malawi	1.0	72	Taiwan, China <sup>1</sup>	0.7
6	Cambodia	1.0	73	Zambia	0.7
7	Finland	0.9	74	Venezuela	0.7
8	Sweden	0.9	75	Brazil	0.7
9	Ghana	0.9	76	Albania	0.7
10	Vietnam	0.9	77	Greece	0.7
11	Uganda	0.9	78	Spain	0.7
12	Norway	0.9	79	Japan	0.7
13	Kazakhstan	0.9	80	Korea, Rep.	0.7
14	Madagascar	0.9	81	Senegal	0.7
15	Lithuania	0.9	82	Gambia, The	0.7
16	Iceland	0.9	83	Singapore	0.7
17	Bosnia and Herzegovina	0.9	84	Italy	0.7
18	Israel	0.9	85	Timor-Leste	0.7
19	Denmark	0.9	86	Philippines	0.7
20	Mali	0.9	87	Panama	0.7
21	Russian Federation	0.9	88	Mongolia	0.7
22	Canada	0.9	89	Georgia	0.7
23	Slovenia	0.9	90	Botswana	0.7
24	Burkina Faso	0.9	91	Cameroon	0.7
25	Estonia	0.9	92	Mauritania	0.7
26	Latvia	0.9	93	Puerto Rico	0.7
27	Barbados	0.9	94	Macedonia, FYR	0.7
28	Switzerland	0.9	95	El Salvador	0.7
29	United States	0.9	96	Nepal	0.7
30	New Zealand	0.9	97	Lesotho	0.7
31	Ukraine	0.9	98	Honduras	0.6
32	China	0.9	99	Benin	0.6
33	Portugal	0.9	100	Trinidad and Tobago	0.6
34	Germany	0.9	101	Bangladesh	0.6
35	Chad	0.9	102	Indonesia	0.6
36	Azerbaijan	0.9	103	South Africa	0.6
37	France	0.9	104	Kuwait	0.6
38	Thailand	0.9	105	Costa Rica	0.6
39	United Kingdom	0.8	106	Dominican Republic	0.6
40	Moldova	0.8	107	Malaysia	0.6
41	Armenia	0.8	108	Mauritius	0.6
42	Australia	0.8	109	Brunei Darussalam	0.6
43	Poland	0.8	110	Malta	0.6
44	Czech Republic	0.8	111	Chile	0.5
45	Austria	0.8	112	Nigeria	0.5
46	Netherlands	0.8	113	Guyana	0.5
47	Bulgaria	0.8	114	Suriname	0.5
48	Montenegro	0.8	115	Mexico	0.5
49	Slovak Republic <sup>1</sup>	0.8	116	Sri Lanka	0.5
50	Croatia	0.8	117	Algeria	0.5
51	Romania	0.8	118	Syria	0.5
52	Ethiopia	0.8	119	Côte d'Ivoire	0.4
53	Cyprus	0.8	120	United Arab Emirates	0.4
54	Hungary	0.8	121	Libya	0.4
55	Belgium	0.8	122	India	0.4
56	Paraguay	0.8	123	Nicaragua	0.4
57	Kenya	0.8	124	Guatemala	0.4
58	Ireland	0.8	125	Qatar	0.4
59	Colombia	0.8	126	Tunisia	0.4
60	Hong Kong SAR	0.8	127	Pakistan	0.4
61	Uruguay	0.8	128	Jordan	0.4
62	Kyrgyz Republic	0.8	129	Turkey	0.4
63	Bolivia	0.8	130	Bahrain	0.3
64	Ecuador	0.8	131	Morocco	0.3
65	Jamaica	0.8	132	Oman	0.3
66	Argentina	0.8	133	Egypt	0.3
67	Zimbabwe	0.8	134	Saudi Arabia	0.2

SOURCE: International Labour Organization, *Key Indicators of the Labour Market (KILM) 5th Edition* (2006)

<sup>1</sup> 2007



## Section VIII

# Financial market sophistication

## 8.01 Financial market sophistication

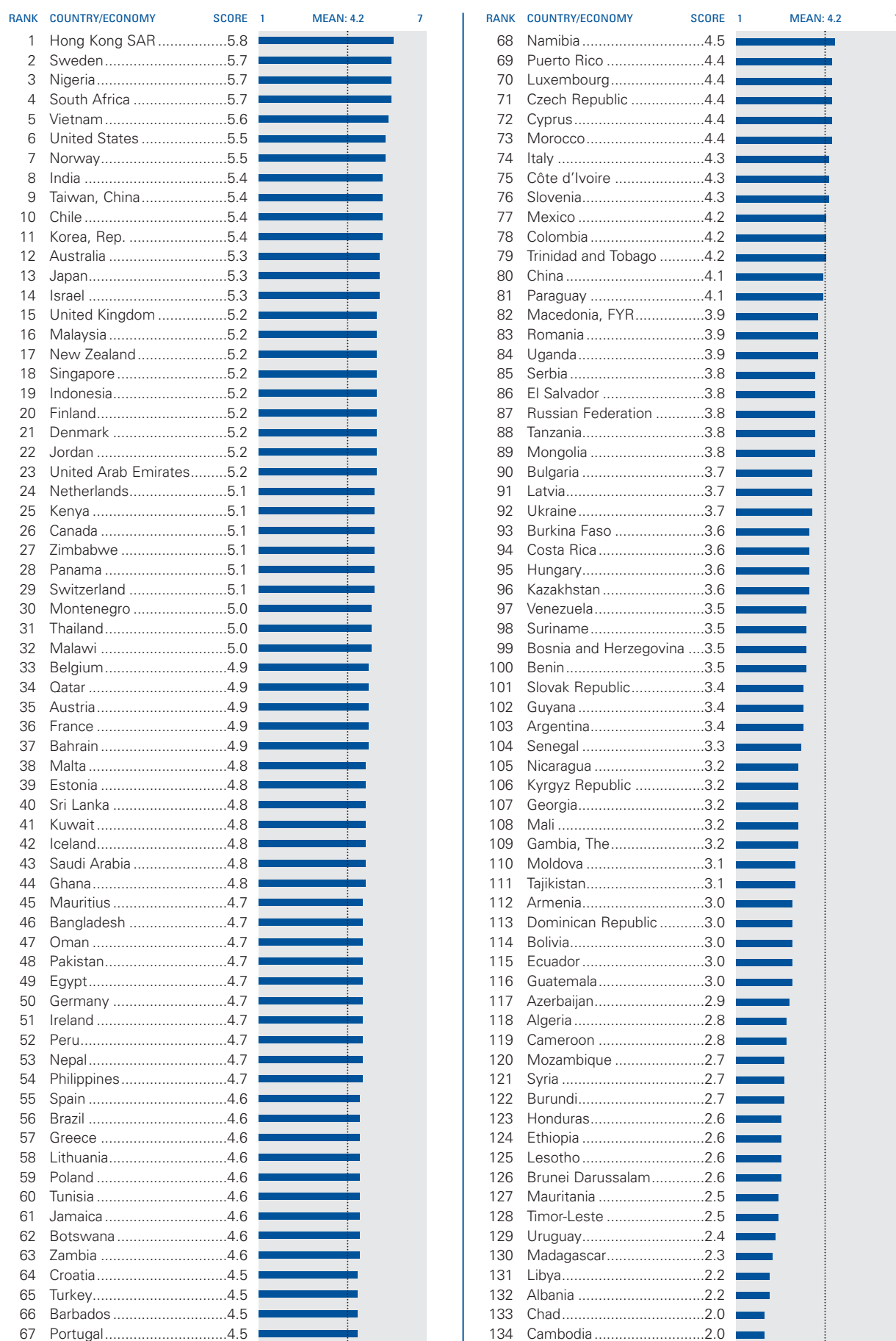
The level of sophistication of financial markets in your country is (1 = poor by international standards, 7 = excellent by international standards)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.3	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.3	7
1	Switzerland	6.8				68	Brunei Darussalam	4.2			
2	Hong Kong SAR	6.6				69	Colombia	4.2			
3	United States	6.5				70	Italy	4.2			
4	Luxembourg	6.5				71	Botswana	4.2			
5	Sweden	6.4				72	Indonesia	4.1			
6	Canada	6.4				73	Guatemala	4.1			
7	Australia	6.4				74	Costa Rica	4.1			
8	Netherlands	6.4				75	Nigeria	4.1			
9	United Kingdom	6.3				76	Honduras	4.1			
10	Singapore	6.3				77	Azerbaijan	4.1			
11	Denmark	6.3				78	Poland	4.0			
12	South Africa	6.3				79	Pakistan	4.0			
13	Ireland	6.2				80	Venezuela	3.9			
14	Germany	6.2				81	Gambia, The	3.8			
15	France	6.2				82	Ghana	3.8			
16	Belgium	6.1				83	China	3.8			
17	Austria	6.1				84	Zimbabwe	3.7			
18	Finland	6.0				85	Dominican Republic	3.7			
19	Norway	6.0				86	Kazakhstan	3.7			
20	Bahrain	6.0				87	Romania	3.7			
21	Brazil	6.0				88	Argentina	3.7			
22	Puerto Rico	5.9				89	Russian Federation	3.7			
23	Spain	5.8				90	Malawi	3.6			
24	Israel	5.8				91	Ukraine	3.6			
25	Estonia	5.8				92	Zambia	3.6			
26	Chile	5.8				93	Senegal	3.5			
27	Panama	5.7				94	Georgia	3.5			
28	Iceland	5.7				95	Egypt	3.5			
29	New Zealand	5.7				96	Uruguay	3.5			
30	Portugal	5.7				97	Côte d'Ivoire	3.4			
31	Malaysia	5.5				98	Ecuador	3.3			
32	United Arab Emirates	5.4				99	Macedonia, FYR	3.3			
33	India	5.3				100	Benin	3.3			
34	Malta	5.3				101	Burkina Faso	3.3			
35	Korea, Rep.	5.2				102	Bulgaria	3.3			
36	Cyprus	5.2				103	Moldova	3.2			
37	Thailand	5.1				104	Nicaragua	3.1			
38	Qatar	5.0				105	Suriname	3.1			
39	Turkey	5.0				106	Vietnam	3.1			
40	Jamaica	5.0				107	Armenia	3.0			
41	Slovak Republic	5.0				108	Nepal	2.9			
42	Namibia	4.9				109	Uganda	2.9			
43	El Salvador	4.9				110	Lesotho	2.9			
44	Mauritius	4.9				111	Tanzania	2.8			
45	Taiwan, China	4.8				112	Bolivia	2.8			
46	Oman	4.7				113	Bangladesh	2.8			
47	Barbados	4.7				114	Cambodia	2.8			
48	Japan	4.7				115	Kyrgyz Republic	2.8			
49	Czech Republic	4.7				116	Mali	2.7			
50	Kuwait	4.7				117	Guyana	2.7			
51	Sri Lanka	4.6				118	Tajikistan	2.7			
52	Greece	4.6				119	Mongolia	2.7			
53	Slovenia	4.6				120	Bosnia and Herzegovina	2.7			
54	Peru	4.6				121	Paraguay	2.6			
55	Latvia	4.5				122	Serbia	2.6			
56	Mexico	4.5				123	Mozambique	2.6			
57	Philippines	4.5				124	Mauritania	2.5			
58	Jordan	4.5				125	Madagascar	2.4			
59	Hungary	4.4				126	Albania	2.3			
60	Trinidad and Tobago	4.4				127	Ethiopia	2.3			
61	Tunisia	4.3				128	Syria	2.2			
62	Morocco	4.3				129	Burundi	2.2			
63	Saudi Arabia	4.3				130	Algeria	2.1			
64	Kenya	4.3				131	Timor-Leste	2.1			
65	Croatia	4.3				132	Chad	2.1			
66	Lithuania	4.3				133	Libya	2.1			
67	Montenegro	4.2				134	Cameroon	1.9			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.02 Financing through local equity market

Raising money by issuing shares on the stock market in your country is (1 = impossible, 7 = very easy)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 8.03 Ease of access to loans

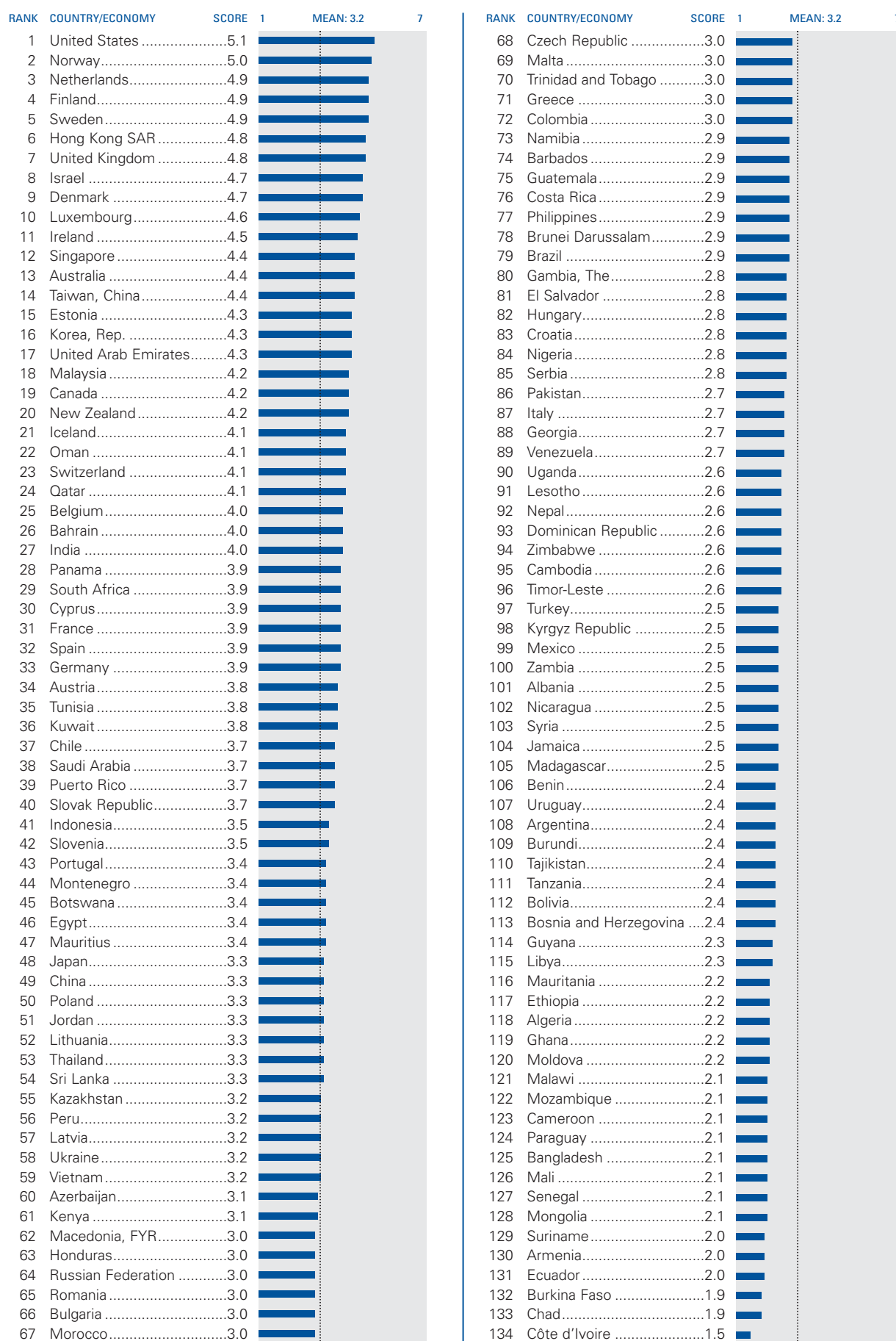
How easy is it to obtain a bank loan in your country with only a good business plan and no collateral? (1 = impossible, 7 = very easy)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.04 Venture capital availability

In your country, how easy is it for entrepreneurs with innovative but risky projects to find venture capital? (1 = impossible, 7 = very easy)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.05 Restriction on capital flows

The inflow and outflow of capital into and from your country is (1 = highly restricted by law, 7 = not restricted by law)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Hong Kong SAR	6.6				68	Honduras	4.9			
2	Iceland	6.2				69	Oman	4.9			
3	Sweden	6.2				70	Pakistan	4.8			
4	Mauritius	6.2				71	Brunei Darussalam	4.8			
5	Uruguay	6.2				72	Spain	4.8			
6	Denmark	6.2				73	Portugal	4.7			
7	Singapore	6.2				74	Dominican Republic	4.7			
8	Germany	6.2				75	Philippines	4.6			
9	Finland	6.1				76	Romania	4.6			
10	Bahrain	6.1				77	Croatia	4.5			
11	Switzerland	6.1				78	Taiwan, China	4.5			
12	Estonia	6.1				79	Ecuador	4.5			
13	Luxembourg	6.1				80	Egypt	4.4			
14	United Arab Emirates	6.0				81	Kenya	4.4			
15	New Zealand	6.0				82	Tunisia	4.4			
16	Netherlands	5.9				83	India	4.4			
17	Austria	5.9				84	Vietnam	4.3			
18	Malta	5.8				85	Bosnia and Herzegovina	4.3			
19	Ireland	5.8				86	Tanzania	4.3			
20	Slovak Republic	5.7				87	Sri Lanka	4.2			
21	Botswana	5.7				88	Ghana	4.2			
22	Panama	5.7				89	Timor-Leste	4.2			
23	Guatemala	5.7				90	Saudi Arabia	4.2			
24	Latvia	5.7				91	Kyrgyz Republic	4.2			
25	Turkey	5.6				92	Bulgaria	4.2			
26	Montenegro	5.6				93	Nigeria	4.1			
27	Belgium	5.6				94	Tajikistan	4.1			
28	Zambia	5.6				95	Mali	4.1			
29	Peru	5.6				96	Macedonia, FYR	4.1			
30	Trinidad and Tobago	5.6				97	Senegal	4.1			
31	Canada	5.6				98	Burkina Faso	4.0			
32	United Kingdom	5.6				99	Suriname	3.9			
33	Georgia	5.6				100	Azerbaijan	3.9			
34	Israel	5.6				101	Lesotho	3.9			
35	Hungary	5.5				102	Benin	3.9			
36	Chile	5.5				103	Albania	3.9			
37	Indonesia	5.5				104	Thailand	3.9			
38	Cyprus	5.5				105	Namibia	3.9			
39	Czech Republic	5.4				106	Cameroon	3.8			
40	France	5.4				107	Colombia	3.7			
41	Greece	5.4				108	Moldova	3.7			
42	United States	5.4				109	Serbia	3.7			
43	Qatar	5.4				110	Ukraine	3.7			
44	Jordan	5.4				111	South Africa	3.7			
45	Mexico	5.4				112	Morocco	3.6			
46	Jamaica	5.3				113	Malawi	3.5			
47	Guyana	5.3				114	Kazakhstan	3.5			
48	El Salvador	5.3				115	Côte d'Ivoire	3.5			
49	Nicaragua	5.3				116	Syria	3.5			
50	Gambia, The	5.2				117	Mauritania	3.4			
51	Costa Rica	5.2				118	Madagascar	3.4			
52	Australia	5.2				119	Brazil	3.3			
53	Kuwait	5.2				120	Nepal	3.3			
54	Japan	5.2				121	China	3.3			
55	Norway	5.2				122	Barbados	3.3			
56	Slovenia	5.1				123	Italy	3.2			
57	Bolivia	5.1				124	Bangladesh	3.2			
58	Puerto Rico	5.1				125	Russian Federation	3.2			
59	Uganda	5.1				126	Libya	3.1			
60	Armenia	5.0				127	Argentina	3.1			
61	Paraguay	5.0				128	Burundi	3.0			
62	Cambodia	5.0				129	Ethiopia	3.0			
63	Mongolia	5.0				130	Chad	2.9			
64	Lithuania	5.0				131	Algeria	2.8			
65	Korea, Rep.	5.0				132	Mozambique	2.8			
66	Poland	4.9				133	Venezuela	1.5			
67	Malaysia	4.9				134	Zimbabwe	1.5			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.06 Strength of investor protection (hard data)

Strength of Investor Protection Index on a 0–10 (best) scale | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	New Zealand	9.7	67	Bosnia and Herzegovina	5.0
2	Singapore	9.3	67	China	5.0
3	Hong Kong SAR	9.0	67	Czech Republic	5.0
4	Malaysia	8.7	67	Egypt	5.0
5	Canada	8.3	67	Germany	5.0
5	Ireland	8.3	67	Kenya	5.0
5	Israel	8.3	67	Lithuania	5.0
5	United States	8.3	67	Macedonia, FYR	5.0
9	South Africa	8.0	67	Nicaragua	5.0
9	United Kingdom	8.0	67	Russian Federation	5.0
11	Mauritius	7.7	67	Spain	5.0
12	Belgium	7.0	67	Tanzania	5.0
12	Japan	7.0	67	Uruguay	5.0
12	Puerto Rico	7.0	81	Argentina	4.7
15	Bangladesh	6.7	81	Moldova	4.7
15	Norway	6.7	81	Netherlands	4.7
15	Peru	6.7	81	Panama	4.7
15	Trinidad and Tobago	6.7	81	Slovak Republic	4.7
19	Colombia	6.3	86	Azerbaijan	4.3
19	Denmark	6.3	86	Botswana	4.3
19	Kuwait	6.3	86	Brunei Darussalam	4.3
19	Mongolia	6.3	86	Cameroon	4.3
19	Montenegro	6.3	86	El Salvador	4.3
19	Pakistan	6.3	86	Ethiopia	4.3
19	Slovenia	6.3	86	Hungary	4.3
26	Bulgaria	6.0	86	Jordan	4.3
26	Chile	6.0	86	Luxembourg	4.3
26	Estonia	6.0	86	Syria	4.3
26	Georgia	6.0	86	United Arab Emirates	4.3
26	Ghana	6.0	86	Zimbabwe	4.3
26	India	6.0	98	Austria	4.0
26	Kyrgyz Republic	6.0	98	Bolivia	4.0
26	Mexico	6.0	98	Chad	4.0
26	Mozambique	6.0	98	Croatia	4.0
26	Poland	6.0	98	Dominican Republic	4.0
26	Portugal	6.0	98	Ecuador	4.0
26	Romania	6.0	98	Guatemala	4.0
26	Thailand	6.0	98	Timor-Leste	4.0
39	Australia	5.7	98	Uganda	4.0
39	Finland	5.7	107	Burkina Faso	3.7
39	Indonesia	5.7	107	Lesotho	3.7
39	Italy	5.7	107	Mauritania	3.7
39	Kazakhstan	5.7	107	Philippines	3.7
39	Latvia	5.7	107	Ukraine	3.7
39	Madagascar	5.7	112	Benin	3.3
39	Nigeria	5.7	112	Burundi	3.3
39	Paraguay	5.7	112	Côte d'Ivoire	3.3
39	Saudi Arabia	5.7	112	Honduras	3.3
39	Sweden	5.7	112	Mali	3.3
50	Algeria	5.3	112	Tunisia	3.3
50	Brazil	5.3	118	Costa Rica	3.0
50	Cambodia	5.3	118	Greece	3.0
50	France	5.3	118	Morocco	3.0
50	Guyana	5.3	118	Senegal	3.0
50	Iceland	5.3	118	Switzerland	3.0
50	Jamaica	5.3	123	Albania	2.7
50	Korea, Rep.	5.3	123	Gambia, The	2.7
50	Malawi	5.3	123	Venezuela	2.7
50	Namibia	5.3	123	Vietnam	2.7
50	Nepal	5.3	127	Suriname	2.3
50	Oman	5.3	128	Tajikistan	1.7
50	Serbia	5.3	n/a	Bahrain	n/a
50	Sri Lanka	5.3	n/a	Barbados	n/a
50	Taiwan, China	5.3	n/a	Cyprus	n/a
50	Turkey	5.3	n/a	Libya	n/a
50	Zambia	5.3	n/a	Malta	n/a
67	Armenia	5.0	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

## 8.07 Soundness of banks

Banks in your country are (1 = insolvent and may require a government bailout, 7 = generally healthy with sound balance sheets)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 5.6	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 5.6	7
1	Canada	6.8				68	Burkina Faso	5.6			
2	Sweden	6.7				69	Slovenia	5.6			
3	Luxembourg	6.7				70	Sri Lanka	5.6			
4	Australia	6.7				71	Pakistan	5.6			
5	Denmark	6.7				72	Philippines	5.6			
6	Netherlands	6.7				73	Korea, Rep.	5.5			
7	Belgium	6.6				74	Romania	5.5			
8	New Zealand	6.6				75	Thailand	5.5			
9	Ireland	6.6				76	Madagascar	5.5			
10	Malta	6.6				77	Colombia	5.5			
11	Hong Kong SAR	6.6				78	Côte d'Ivoire	5.5			
12	Finland	6.6				79	Italy	5.4			
13	Singapore	6.5				80	Bulgaria	5.4			
14	Norway	6.5				81	Hungary	5.4			
15	South Africa	6.5				82	Cameroon	5.4			
16	Switzerland	6.5				83	Georgia	5.4			
17	Namibia	6.5				84	Oman	5.4			
18	Chile	6.5				85	Tunisia	5.3			
19	France	6.5				86	Paraguay	5.2			
20	Spain	6.5				87	Nigeria	5.2			
21	Barbados	6.4				88	Armenia	5.2			
22	Bahrain	6.4				89	Morocco	5.2			
23	Slovak Republic	6.4				90	Dominican Republic	5.2			
24	Brazil	6.4				91	Bolivia	5.2			
25	Estonia	6.4				92	Mali	5.2			
26	Austria	6.3				93	Japan	5.1			
27	Panama	6.3				94	Tanzania	5.1			
28	Mauritius	6.2				95	Moldova	5.1			
29	Kuwait	6.2				96	Bosnia and Herzegovina	5.1			
30	Qatar	6.2				97	Poland	5.1			
31	United Arab Emirates	6.2				98	Nicaragua	5.1			
32	Trinidad and Tobago	6.2				99	Venezuela	5.0			
33	Senegal	6.2				100	Uruguay	5.0			
34	Israel	6.2				101	Guatemala	5.0			
35	Portugal	6.2				102	Macedonia, FYR	5.0			
36	Iceland	6.2				103	Syria	5.0			
37	Cyprus	6.1				104	Albania	5.0			
38	Botswana	6.1				105	Nepal	4.9			
39	Germany	6.1				106	Mozambique	4.9			
40	United States	6.1				107	Russian Federation	4.9			
41	Lithuania	6.1				108	China	4.9			
42	Peru	6.0				109	Uganda	4.8			
43	El Salvador	6.0				110	Serbia	4.8			
44	United Kingdom	6.0				111	Egypt	4.7			
45	Greece	6.0				112	Ukraine	4.7			
46	Benin	5.9				113	Vietnam	4.7			
47	Costa Rica	5.9				114	Turkey	4.7			
48	Malawi	5.9				115	Bangladesh	4.7			
49	Guyana	5.9				116	Azerbaijan	4.7			
50	Malaysia	5.9				117	Taiwan, China	4.6			
51	India	5.9				118	Ecuador	4.6			
52	Puerto Rico	5.9				119	Mauritania	4.6			
53	Gambia, The	5.8				120	Mongolia	4.6			
54	Montenegro	5.8				121	Indonesia	4.6			
55	Mexico	5.8				122	Zimbabwe	4.5			
56	Croatia	5.8				123	Tajikistan	4.5			
57	Czech Republic	5.8				124	Kazakhstan	4.5			
58	Jordan	5.8				125	Cambodia	4.4			
59	Ghana	5.8				126	Burundi	4.4			
60	Suriname	5.8				127	Chad	4.4			
61	Brunei Darussalam	5.8				128	Ethiopia	4.2			
62	Latvia	5.7				129	Argentina	4.2			
63	Saudi Arabia	5.7				130	Timor-Leste	4.2			
64	Kenya	5.7				131	Kyrgyz Republic	4.1			
65	Jamaica	5.7				132	Lesotho	4.1			
66	Honduras	5.7				133	Libya	4.0			
67	Zambia	5.6				134	Algeria	3.9			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.08 Regulation of securities exchanges

Regulation of securities exchanges in your country is (1 = not transparent, ineffective and subject to undue influence from industry and government, 7 = transparent, effective and independent of undue influence from industry and government)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.6	7
1	Sweden	6.3			
2	Denmark	6.1			
3	Australia	6.1			
4	Hong Kong SAR	6.1			
5	South Africa	6.1			
6	Switzerland	6.0			
7	Singapore	5.9			
8	France	5.9			
9	Norway	5.9			
10	Finland	5.9			
11	New Zealand	5.9			
12	Netherlands	5.9			
13	Luxembourg	5.9			
14	Chile	5.8			
15	Germany	5.8			
16	Ireland	5.8			
17	Panama	5.8			
18	Belgium	5.7			
19	Iceland	5.7			
20	United States	5.7			
21	Puerto Rico	5.7			
22	Malta	5.6			
23	Canada	5.6			
24	Austria	5.6			
25	India	5.6			
26	Estonia	5.6			
27	United Kingdom	5.5			
28	Brazil	5.5			
29	Mauritius	5.4			
30	Bahrain	5.4			
31	Korea, Rep.	5.4			
32	Malaysia	5.4			
33	Barbados	5.3			
34	Portugal	5.3			
35	Peru	5.2			
36	Thailand	5.2			
37	Indonesia	5.2			
38	Japan	5.2			
39	Sri Lanka	5.2			
40	Oman	5.2			
41	Lithuania	5.2			
42	Costa Rica	5.2			
43	Mexico	5.2			
44	Zambia	5.1			
45	Qatar	5.1			
46	Spain	5.1			
47	Jordan	5.1			
48	Israel	5.1			
49	Montenegro	5.1			
50	Tunisia	5.0			
51	Colombia	5.0			
52	Taiwan, China	5.0			
53	Nigeria	5.0			
54	Cyprus	5.0			
55	Greece	4.9			
56	United Arab Emirates	4.9			
57	Ghana	4.9			
58	Hungary	4.9			
59	Czech Republic	4.9			
60	Botswana	4.8			
61	Jamaica	4.8			
62	Latvia	4.8			
63	Poland	4.8			
64	Malawi	4.8			
65	Namibia	4.8			
66	Philippines	4.8			
67	Zimbabwe	4.7			
68	El Salvador	4.6			
69	Turkey	4.6			
70	Slovenia	4.6			
71	Côte d'Ivoire	4.5			
72	Morocco	4.5			
73	Italy	4.5			
74	Argentina	4.5			
75	Croatia	4.4			
76	Slovak Republic	4.4			
77	Paraguay	4.4			
78	Trinidad and Tobago	4.4			
79	Bangladesh	4.3			
80	Egypt	4.3			
81	Vietnam	4.2			
82	Macedonia, FYR	4.2			
83	Kuwait	4.2			
84	Nicaragua	4.2			
85	Guatemala	4.2			
86	Uruguay	4.2			
87	Uganda	4.2			
88	Saudi Arabia	4.1			
89	Pakistan	4.1			
90	Gambia, The	4.1			
91	Romania	4.1			
92	Kenya	4.1			
93	Venezuela	4.0			
94	Tanzania	4.0			
95	Burkina Faso	4.0			
96	Bolivia	4.0			
97	Bosnia and Herzegovina	3.9			
98	Ecuador	3.9			
99	Guyana	3.9			
100	Senegal	3.8			
101	Brunei Darussalam	3.8			
102	Benin	3.7			
103	Georgia	3.7			
104	Bulgaria	3.7			
105	Serbia	3.7			
106	Dominican Republic	3.6			
107	Mali	3.6			
108	Nepal	3.6			
109	China	3.6			
110	Russian Federation	3.6			
111	Suriname	3.5			
112	Mozambique	3.4			
113	Kazakhstan	3.4			
114	Honduras	3.4			
115	Azerbaijan	3.4			
116	Lesotho	3.4			
117	Syria	3.2			
118	Tajikistan	3.2			
119	Armenia	3.1			
120	Ukraine	3.1			
121	Moldova	3.1			
122	Ethiopia	3.1			
123	Mongolia	3.1			
124	Timor-Leste	3.1			
125	Kyrgyz Republic	2.9			
126	Cameroon	2.9			
127	Burundi	2.8			
128	Algeria	2.8			
129	Libya	2.7			
130	Cambodia	2.7			
131	Madagascar	2.7			
132	Mauritania	2.7			
133	Chad	2.5			
134	Albania	2.4			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 8.09 Legal rights index (hard data)

Strength of legal rights index on a 0–10 (best) scale | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Hong Kong SAR	10	52	Tanzania	5
1	United Kingdom	10	52	Thailand	5
3	Albania	9	52	Trinidad and Tobago	5
3	Australia	9	52	Uruguay	5
3	New Zealand	9	72	Benin	4
3	Singapore	9	72	Burkina Faso	4
3	Slovak Republic	9	72	Chile	4
8	Denmark	8	72	Costa Rica	4
8	Germany	8	72	Dominican Republic	4
8	Ireland	8	72	Estonia	4
8	Israel	8	72	Ethiopia	4
8	Kenya	8	72	Gambia, The	4
8	Latvia	8	72	Kuwait	4
8	Malaysia	8	72	Lithuania	4
8	Ukraine	8	72	Mauritania	4
16	Azerbaijan	7	72	Nepal	4
16	Bangladesh	7	72	Oman	4
16	Bosnia and Herzegovina	7	72	Pakistan	4
16	Botswana	7	72	Peru	4
16	Canada	7	72	Poland	4
16	Iceland	7	72	Portugal	4
16	Malawi	7	72	Suriname	4
16	Montenegro	7	72	Taiwan, China	4
16	Netherlands	7	72	Tajikistan	4
16	Nigeria	7	72	Venezuela	4
16	Romania	7	93	Algeria	3
16	Serbia	7	93	Argentina	3
16	United States	7	93	Cameroon	3
29	Brunei Darussalam	6	93	Chad	3
29	Bulgaria	6	93	China	3
29	Croatia	6	93	Côte d'Ivoire	3
29	Czech Republic	6	93	El Salvador	3
29	Finland	6	93	Greece	3
29	France	6	93	Guatemala	3
29	Honduras	6	93	Guyana	3
29	Hungary	6	93	Italy	3
29	India	6	93	Mali	3
29	Japan	6	93	Mexico	3
29	Luxembourg	6	93	Morocco	3
29	Macedonia, FYR	6	93	Mozambique	3
29	Moldova	6	93	Nicaragua	3
29	Norway	6	93	Paraguay	3
29	Panama	6	93	Philippines	3
29	Puerto Rico	6	93	Russian Federation	3
29	Slovenia	6	93	Saudi Arabia	3
29	Spain	6	93	Senegal	3
29	Sweden	6	93	Sri Lanka	3
29	Switzerland	6	93	Syria	3
29	Vietnam	6	93	Turkey	3
29	Zambia	6	93	Uganda	3
29	Zimbabwe	6	93	United Arab Emirates	3
52	Armenia	5	119	Brazil	2
52	Austria	5	119	Colombia	2
52	Belgium	5	119	Timor-Leste	2
52	Georgia	5	119	Tunisia	2
52	Ghana	5	123	Bolivia	1
52	Indonesia	5	123	Burundi	1
52	Jamaica	5	123	Ecuador	1
52	Jordan	5	123	Egypt	1
52	Kazakhstan	5	123	Madagascar	1
52	Korea, Rep.	5	128	Cambodia	0
52	Kyrgyz Republic	5	n/a	Bahrain	n/a
52	Lesotho	5	n/a	Barbados	n/a
52	Mauritius	5	n/a	Cyprus	n/a
52	Mongolia	5	n/a	Libya	n/a
52	Namibia	5	n/a	Malta	n/a
52	South Africa	5	n/a	Qatar	n/a

SOURCE: The World Bank, *Doing Business 2008*

# Section IX

## Technological readiness



## 9.01 Availability of latest technologies

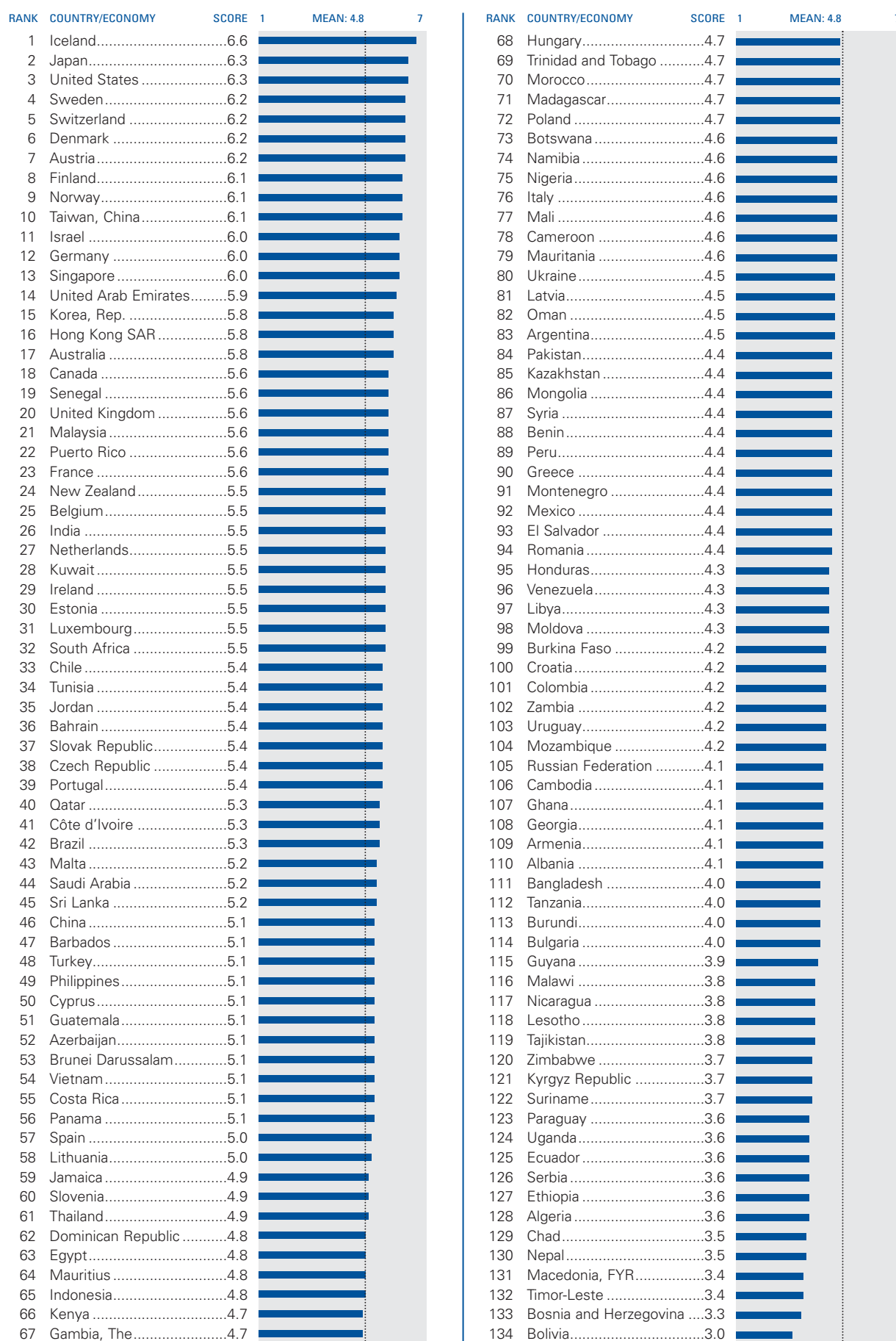
In your country, the latest technologies are (1 = not widely available or used, 7 = widely available and used)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Iceland.....	6.7				68	Panama.....	4.6			
2	Sweden.....	6.6				69	Trinidad and Tobago.....	4.6			
3	Finland.....	6.6				70	Croatia.....	4.6			
4	Denmark.....	6.5				71	Vietnam.....	4.5			
5	United States.....	6.5				72	Guatemala.....	4.5			
6	Norway.....	6.4				73	Côte d'Ivoire.....	4.5			
7	Switzerland.....	6.4				74	Gambia, The.....	4.4			
8	Germany.....	6.2				75	Poland.....	4.4			
9	Canada.....	6.2				76	Costa Rica.....	4.3			
10	United Kingdom.....	6.2				77	Uruguay.....	4.3			
11	France.....	6.2				78	Madagascar.....	4.3			
12	Austria.....	6.2				79	Montenegro.....	4.3			
13	Japan.....	6.2				80	Syria.....	4.3			
14	Singapore.....	6.2				81	Nigeria.....	4.2			
15	Netherlands.....	6.2				82	Ukraine.....	4.2			
16	Israel.....	6.1				83	China.....	4.2			
17	United Arab Emirates.....	6.1				84	Kenya.....	4.2			
18	Belgium.....	6.1				85	Libya.....	4.1			
19	Hong Kong SAR.....	6.0				86	Cameroon.....	4.1			
20	Australia.....	5.9				87	Dominican Republic.....	4.1			
21	Estonia.....	5.8				88	Pakistan.....	4.1			
22	Korea, Rep.....	5.8				89	Georgia.....	4.0			
23	Taiwan, China.....	5.8				90	Mongolia.....	4.0			
24	Bahrain.....	5.7				91	Zambia.....	4.0			
25	Luxembourg.....	5.7				92	Mexico.....	4.0			
26	Malta.....	5.7				93	Kazakhstan.....	4.0			
27	Puerto Rico.....	5.7				94	Tanzania.....	3.9			
28	Portugal.....	5.7				95	Mali.....	3.9			
29	Malaysia.....	5.6				96	Romania.....	3.9			
30	Barbados.....	5.6				97	Venezuela.....	3.9			
31	Jordan.....	5.6				98	Russian Federation.....	3.9			
32	Qatar.....	5.5				99	Argentina.....	3.9			
33	Ireland.....	5.5				100	Mozambique.....	3.9			
34	New Zealand.....	5.5				101	Ghana.....	3.9			
35	Cyprus.....	5.5				102	Honduras.....	3.8			
36	Tunisia.....	5.4				103	Bulgaria.....	3.8			
37	South Africa.....	5.4				104	Albania.....	3.8			
38	Kuwait.....	5.4				105	El Salvador.....	3.8			
39	Senegal.....	5.3				106	Bangladesh.....	3.8			
40	Spain.....	5.2				107	Benin.....	3.8			
41	Saudi Arabia.....	5.2				108	Guyana.....	3.8			
42	Chile.....	5.2				109	Cambodia.....	3.7			
43	India.....	5.2				110	Colombia.....	3.7			
44	Jamaica.....	5.2				111	Lesotho.....	3.6			
45	Turkey.....	5.1				112	Macedonia, FYR.....	3.6			
46	Slovak Republic.....	5.1				113	Peru.....	3.6			
47	Mauritius.....	5.1				114	Malawi.....	3.6			
48	Slovenia.....	5.1				115	Burkina Faso.....	3.5			
49	Czech Republic.....	5.1				116	Armenia.....	3.5			
50	Thailand.....	5.1				117	Algeria.....	3.4			
51	Lithuania.....	5.0				118	Moldova.....	3.4			
52	Philippines.....	4.9				119	Nepal.....	3.4			
53	Namibia.....	4.9				120	Serbia.....	3.4			
54	Sri Lanka.....	4.9				121	Suriname.....	3.3			
55	Oman.....	4.9				122	Uganda.....	3.3			
56	Azerbaijan.....	4.9				123	Bosnia and Herzegovina.....	3.3			
57	Morocco.....	4.8				124	Kyrgyz Republic.....	3.3			
58	Brazil.....	4.8				125	Tajikistan.....	3.2			
59	Brunei Darussalam.....	4.8				126	Zimbabwe.....	3.2			
60	Egypt.....	4.8				127	Ethiopia.....	3.1			
61	Indonesia.....	4.7				128	Nicaragua.....	3.1			
62	Greece.....	4.7				129	Paraguay.....	3.1			
63	Italy.....	4.7				130	Timor-Leste.....	3.0			
64	Botswana.....	4.7				131	Ecuador.....	2.9			
65	Hungary.....	4.7				132	Burundi.....	2.7			
66	Latvia.....	4.7				133	Chad.....	2.7			
67	Mauritania.....	4.6				134	Bolivia.....	2.7			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 9.02 Firm-level technology absorption

Companies in your country are (1 = not able to absorb new technology, 7 = aggressive in absorbing new technology)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 9.03 Laws relating to ICT

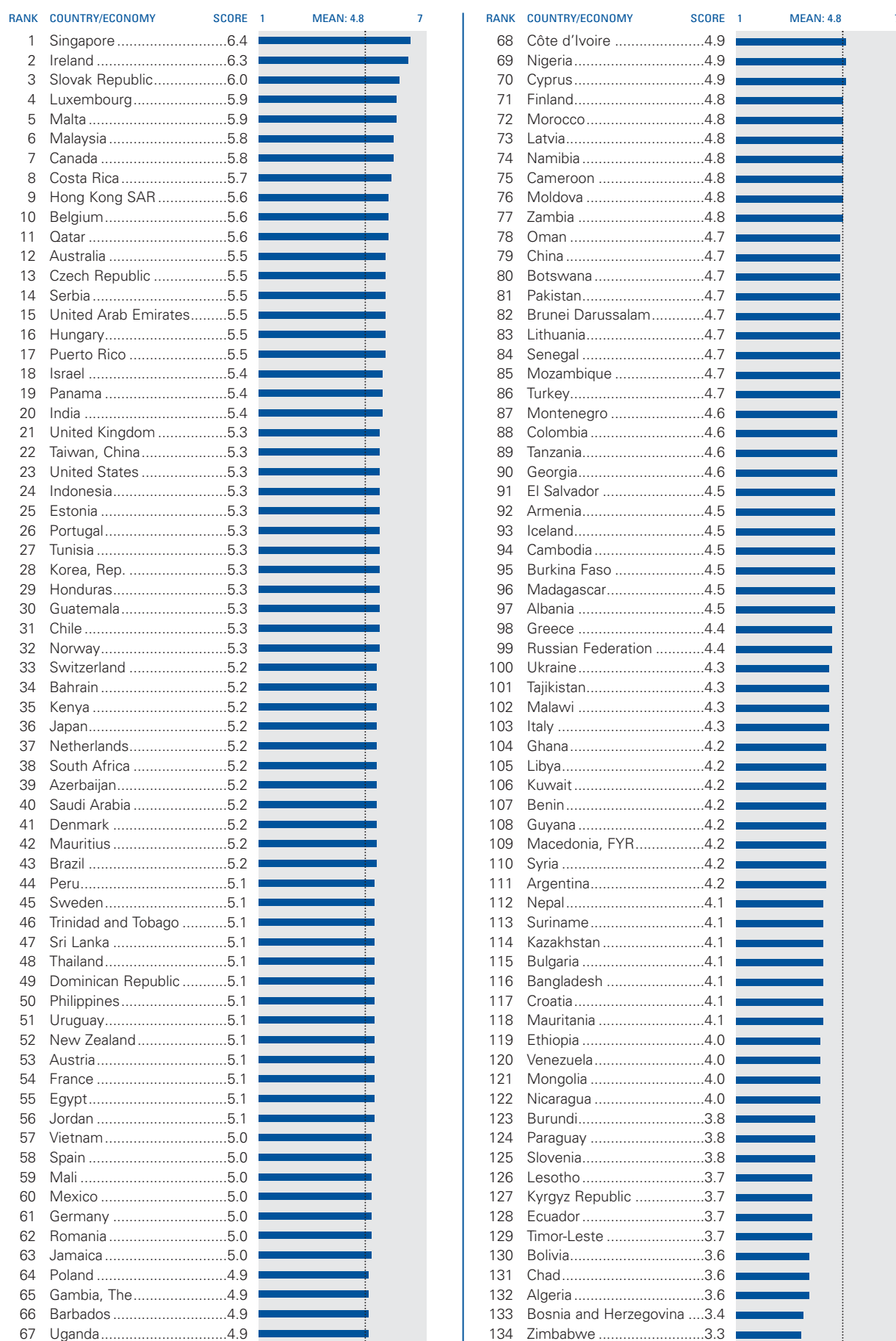
Laws relating to the use of information technology (electronic commerce, digital signatures, consumer protection) are (1 = nonexistent, 7 = well developed and enforced)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.9	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.9	7
1	Denmark	6.1				68	Jamaica	3.8			
2	Korea, Rep.	6.0				69	Mexico	3.8			
3	Singapore	6.0				70	Senegal	3.8			
4	Estonia	6.0				71	Indonesia	3.8			
5	Sweden	5.9				72	Vietnam	3.7			
6	Austria	5.8				73	Romania	3.7			
7	Norway	5.7				74	Serbia	3.7			
8	Finland	5.6				75	Gambia, The	3.6			
9	United States	5.6				76	Greece	3.6			
10	Switzerland	5.6				77	Uruguay	3.6			
11	Iceland	5.5				78	Ukraine	3.6			
12	Hong Kong SAR	5.5				79	Russian Federation	3.5			
13	Germany	5.5				80	Guatemala	3.4			
14	Canada	5.5				81	Kenya	3.4			
15	Australia	5.5				82	Peru	3.4			
16	France	5.4				83	El Salvador	3.4			
17	United Kingdom	5.4				84	Macedonia, FYR	3.4			
18	New Zealand	5.3				85	Brunei Darussalam	3.4			
19	Malaysia	5.3				86	Pakistan	3.4			
20	Netherlands	5.3				87	Poland	3.4			
21	Luxembourg	5.1				88	Benin	3.4			
22	United Arab Emirates	5.1				89	Honduras	3.4			
23	Portugal	5.1				90	Zambia	3.3			
24	Malta	5.1				91	Moldova	3.2			
25	Slovenia	5.1				92	Botswana	3.2			
26	Chile	5.0				93	Namibia	3.2			
27	Ireland	5.0				94	Georgia	3.1			
28	Taiwan, China	5.0				95	Mali	3.1			
29	Belgium	4.9				96	Venezuela	3.1			
30	Tunisia	4.9				97	Morocco	3.1			
31	Israel	4.8				98	Lesotho	3.1			
32	Japan	4.8				99	Kuwait	3.1			
33	Qatar	4.8				100	Burkina Faso	3.1			
34	South Africa	4.8				101	Uganda	3.0			
35	Spain	4.8				102	Trinidad and Tobago	3.0			
36	Puerto Rico	4.7				103	Albania	3.0			
37	Bahrain	4.6				104	Tajikistan	3.0			
38	India	4.6				105	Armenia	3.0			
39	Czech Republic	4.6				106	Argentina	2.9			
40	Cyprus	4.4				107	Zimbabwe	2.9			
41	Lithuania	4.3				108	Madagascar	2.9			
42	Oman	4.3				109	Burundi	2.8			
43	Saudi Arabia	4.3				110	Tanzania	2.8			
44	Bulgaria	4.3				111	Malawi	2.8			
45	Azerbaijan	4.3				112	Mozambique	2.8			
46	Barbados	4.2				113	Ghana	2.8			
47	China	4.2				114	Ecuador	2.8			
48	Mauritius	4.2				115	Kyrgyz Republic	2.7			
49	Brazil	4.2				116	Nicaragua	2.7			
50	Panama	4.2				117	Mongolia	2.7			
51	Croatia	4.2				118	Bosnia and Herzegovina	2.7			
52	Italy	4.2				119	Mauritania	2.7			
53	Colombia	4.1				120	Ethiopia	2.7			
54	Jordan	4.1				121	Nepal	2.5			
55	Turkey	4.0				122	Cambodia	2.5			
56	Hungary	4.0				123	Chad	2.5			
57	Kazakhstan	4.0				124	Timor-Leste	2.4			
58	Dominican Republic	4.0				125	Guyana	2.4			
59	Sri Lanka	3.9				126	Libya	2.4			
60	Philippines	3.9				127	Syria	2.4			
61	Thailand	3.9				128	Cameroon	2.3			
62	Slovak Republic	3.9				129	Algeria	2.3			
63	Latvia	3.9				130	Côte d'Ivoire	2.3			
64	Egypt	3.9				131	Paraguay	2.2			
65	Nigeria	3.9				132	Bangladesh	2.1			
66	Montenegro	3.8				133	Bolivia	2.0			
67	Costa Rica	3.8				134	Suriname	1.8			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 9.04 FDI and technology transfer

Foreign direct investment in your country (1 = brings little new technology, 7 = is an important source of new technology)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 9.05 Mobile telephone subscribers (hard data)

Mobile telephone subscribers per 100 population | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Lithuania	138.1	68	Libya	65.8
2	Italy	135.1	69	Colombia	64.3
3	Hong Kong SAR	132.7	70	Ecuador	63.2
4	Estonia	125.2	71	Algeria	63.0
5	Bahrain	122.9	72	Thailand	62.9
6	Israel	122.7	73	Mauritius	61.5
7	Czech Republic	121.5	74	Albania	60.4
8	United Arab Emirates	118.5	75	Canada	57.6
9	Luxembourg	116.8	76	Guatemala	55.6
10	United Kingdom	116.6	77	El Salvador	55.0
11	Portugal	115.9	78	Brazil	52.9
12	Austria	112.8	79	Kazakhstan	52.9
13	Ireland	112.6	80	Mexico	52.6
14	Qatar	109.6	81	Morocco	52.1
15	Singapore	109.3	82	Paraguay	51.3
16	Iceland	108.7	83	Dominican Republic	51.1
17	Norway	107.9	84	Philippines	50.7
18	Finland	107.8	85	Bosnia and Herzegovina	48.3
19	Bulgaria	107.6	86	Botswana	46.8
20	Denmark	107.0	87	Azerbaijan	39.2
21	Ukraine	106.5	88	Georgia	38.4
22	Spain	106.4	89	Guyana <sup>2</sup>	37.5
23	Sweden	105.9	90	China	34.8
24	Netherlands	105.9	91	Mauritania	33.6
25	Russian Federation	105.7	92	Costa Rica	32.8
26	Germany	103.5	93	Nicaragua	32.7
27	Cyprus	102.7	94	Moldova	32.4
28	Taiwan, China	102.0	95	Peru	30.9
29	Switzerland	99.0	96	Bolivia	30.7
30	Hungary	99.0	97	Honduras	30.4
31	Greece	98.6	98	Namibia	29.7
32	Australia	97.0	99	Mongolia	28.9
33	Croatia	96.5	100	Indonesia	28.3
34	Poland	95.4	101	Gambia, The	26.0
35	Latvia	95.1	102	Sri Lanka	25.9
36	New Zealand	94.0	103	Senegal	25.0
37	Jamaica	93.7	104	Nigeria	24.1
38	Slovenia	92.6	105	Syria	24.0
39	Belgium	92.6	106	Egypt	23.9
40	Kuwait	91.5	107	Kyrgyz Republic	23.7
41	Slovak Republic	90.6	108	Ghana	23.1
42	Barbados	87.8	109	Côte d'Ivoire	22.0
43	Montenegro <sup>2</sup>	87.6	110	Pakistan	22.0
44	Malta	86.0	111	Kenya	20.9
45	France	85.1	112	Lesotho	20.0
46	Puerto Rico <sup>2</sup>	84.8	113	Cameroon	18.9
47	Korea, Rep.	83.8	114	Vietnam	18.2
48	South Africa	83.3	115	India	14.8
49	Argentina	80.5	116	Tanzania	14.8
50	Romania	80.4	117	Zambia	14.0
51	United States	80.3	118	Bangladesh	13.2
52	Japan	79.3	119	Benin	12.1
53	Brunei Darussalam	78.9	120	Cambodia	12.0
54	Saudi Arabia	78.0	121	Mozambique	11.6
55	Chile	75.6	122	Mali	10.9
56	Malaysia	75.5	123	Armenia <sup>2</sup>	10.5
57	Jordan	74.4	124	Burkina Faso	7.5
58	Serbia	73.0	125	Uganda	6.7
59	Tunisia	71.9	126	Zimbabwe	6.5
60	Turkey	71.0	127	Madagascar	5.5
61	Suriname	70.8	128	Malawi	5.3
62	Oman	69.6	129	Chad	4.6
63	Macedonia, FYR	69.6	130	Nepal	4.2
64	Venezuela	69.0	131	Tajikistan <sup>2</sup>	4.1
65	Trinidad and Tobago	68.7	132	Timor-Leste <sup>1</sup>	2.8
66	Uruguay	66.8	133	Burundi	2.6
67	Panama	66.1	134	Ethiopia	1.1

SOURCE: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

<sup>1</sup> 2004 <sup>2</sup> 2005

## 9.06 Internet users (hard data)

Internet users per 100 population | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Barbados	92.5	68	Turkey	17.7
2	Netherlands	85.7	69	Moldova	17.3
3	Norway	81.7	70	Vietnam	17.2
4	New Zealand	78.8	71	Dominican Republic	15.9
5	Sweden	77.0	72	Panama	15.3
6	Canada	76.8	73	Albania	15.0
7	Luxembourg	72.0	74	Venezuela	14.5
8	Korea, Rep.	71.1	75	Colombia	14.5
9	United States	69.8	76	Jordan	13.7
10	Japan	68.3	77	Macedonia, FYR	13.2
11	Iceland	65.3	78	Thailand	13.1
12	Taiwan, China	63.7	79	Tunisia	12.7
13	Slovenia	63.6	80	Kyrgyz Republic	12.2
14	United Kingdom	63.2	81	Mongolia	11.6
15	Singapore	59.4	82	Ecuador	11.5
16	Denmark	58.2	83	Oman	11.1
17	Switzerland	58.1	84	India	10.7
18	Finland	55.6	85	China	10.4
19	Estonia	55.1	86	Guatemala	10.2
20	Malaysia	54.2	87	El Salvador	10.0
21	Hong Kong SAR	53.0	88	Azerbaijan	9.8
22	Italy	52.9	89	Zimbabwe	9.3
23	Romania	52.2	90	Kazakhstan	8.7
24	Australia	52.0	91	Suriname	8.4
25	Austria	51.3	92	Egypt	8.0
26	France	49.6	93	Syria	7.9
27	Jamaica	48.8	94	Kenya	7.9
28	Belgium	46.9	95	South Africa	7.8
29	Bulgaria	46.8	96	Pakistan	7.6
30	Germany	46.7	97	Georgia	7.5
31	Latvia	46.6	98	Algeria	7.4
32	Spain	42.8	99	Bolivia	6.2
33	Cyprus	42.2	100	Nigeria	6.0
34	Slovak Republic	41.8	101	Philippines	5.9
35	Brunei Darussalam	41.7	102	Armenia	5.7
36	Croatia	37.0	103	Senegal	5.4
37	United Arab Emirates	36.7	104	Timor-Leste <sup>1</sup>	5.4
38	Poland	36.6	105	Gambia, The	5.3
39	Hungary	34.8	106	Uganda	5.0
40	Czech Republic	34.7	107	Indonesia	4.7
41	Qatar	34.5	108	Honduras	4.7
42	Ireland	34.2	109	Botswana	4.5
43	Malta	33.7	110	Namibia	4.4
44	Lithuania	31.7	111	Libya	4.4
45	Portugal	30.3	112	Zambia	4.2
46	Kuwait	28.9	113	Paraguay	4.1
47	Bahrain	28.4	114	Lesotho	3.4
48	Israel	27.7	115	Nicaragua	2.8
49	Costa Rica	27.6	116	Ghana	2.7
50	Mauritius	25.5	117	Sri Lanka	2.4
51	Chile	25.2	118	Cameroon	2.2
52	Puerto Rico	25.1	119	Côte d'Ivoire	1.6
53	Uruguay	24.4	120	Benin	1.4
54	Bosnia and Herzegovina	24.3	121	Nepal	1.1
55	Guyana	23.3	122	Tanzania	1.0
56	Peru	22.9	123	Mauritania	1.0
57	Brazil	22.6	124	Mozambique	0.9
58	Trinidad and Tobago	22.0	125	Burundi	0.8
59	Montenegro	21.4	126	Mali	0.6
60	Argentina	20.9	127	Chad	0.6
61	Morocco	19.8	128	Burkina Faso	0.6
62	Ukraine	19.6	129	Madagascar	0.6
63	Mexico	19.0	130	Cambodia	0.5
64	Serbia	18.9	131	Malawi	0.5
65	Saudi Arabia	18.7	132	Bangladesh	0.3
66	Greece	18.4	133	Ethiopia	0.3
67	Russian Federation	18.0	134	Tajikistan <sup>2</sup>	0.3

SOURCE: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

<sup>1</sup> 2004 <sup>2</sup> 2005

## 9.07 Personal computers (hard data)

Personal computers per 100 population | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Canada	94.6	68	South Africa <sup>3</sup>	8.4
2	Netherlands	91.2	69	Paraguay <sup>3</sup>	7.5
3	Switzerland	88.3	70	Philippines	7.5
4	Sweden	88.2	71	Oman	6.9
5	United Kingdom	81.2	72	Thailand <sup>3</sup>	6.9
6	United States	79.9	73	Jamaica <sup>3</sup>	6.8
7	Denmark	72.7	74	Syria	6.7
8	Singapore	72.6	75	Zimbabwe	6.6
9	Taiwan, China	67.6	76	Jordan	6.3
10	Luxembourg	67.5	77	Tunisia	6.2
11	France	65.9	78	Bosnia and Herzegovina	6.2
12	Germany	65.3	79	Bulgaria <sup>2</sup>	5.9
13	Norway	63.1	80	Turkey	5.9
14	Hong Kong SAR	63.0	81	China	5.6
15	Austria <sup>3</sup>	61.1	82	Colombia	5.4
16	Australia <sup>1</sup>	60.4	83	Botswana	5.1
17	Ireland	58.9	84	El Salvador <sup>3</sup>	5.1
18	New Zealand	54.2	85	Georgia <sup>3</sup>	4.7
19	Iceland	53.9	86	Ukraine	4.6
20	Korea, Rep.	53.2	87	Panama <sup>3</sup>	4.6
21	Estonia	51.3	88	Suriname <sup>3</sup>	4.5
22	Finland <sup>3</sup>	50.0	89	Mauritania	4.4
23	Slovak Republic	43.0	90	Egypt	4.2
24	Belgium	42.2	91	Guyana <sup>3</sup>	3.9
25	Slovenia	41.5	92	Albania	3.8
26	Japan <sup>1</sup>	40.8	93	Nicaragua <sup>3</sup>	3.8
27	Cyprus	38.4	94	Sri Lanka <sup>3</sup>	3.5
28	Montenegro	38.0	95	Morocco	3.0
29	Italy <sup>3</sup>	37.0	96	India	2.8
30	Spain	36.9	97	Bangladesh	2.4
31	Latvia	32.6	98	Bolivia <sup>3</sup>	2.4
32	Hungary	31.8	99	Dominican Republic <sup>3</sup>	2.3
33	United Arab Emirates	30.1	100	Azerbaijan <sup>3</sup>	2.3
34	Czech Republic <sup>3</sup>	27.4	101	Libya <sup>3</sup>	2.2
35	Serbia	26.8	102	Senegal <sup>3</sup>	2.1
36	Macedonia, FYR	26.5	103	Guatemala <sup>3</sup>	2.1
37	Israel <sup>1</sup>	23.9	104	Gambia, The	2.0
38	Malaysia	23.4	105	Indonesia	2.0
39	Costa Rica <sup>3</sup>	23.1	106	Honduras	1.9
40	Kuwait	22.3	107	Kyrgyz Republic	1.9
41	Namibia	19.5	108	Côte d'Ivoire <sup>3</sup>	1.8
42	Qatar	18.7	109	Uganda	1.7
43	Croatia <sup>1</sup>	18.3	110	Kenya <sup>3</sup>	1.4
44	Bahrain	18.3	111	Mozambique <sup>3</sup>	1.4
45	Lithuania	18.1	112	Tajikistan <sup>3</sup>	1.3
46	Mauritius	17.5	113	Cameroon <sup>3</sup>	1.2
47	Trinidad and Tobago	17.4	114	Zambia <sup>3</sup>	1.1
48	Portugal	17.1	115	Algeria <sup>3</sup>	1.1
49	Poland	16.8	116	Tanzania <sup>3</sup>	0.9
50	Brazil <sup>3</sup>	16.1	117	Nigeria <sup>3</sup>	0.9
51	Barbados <sup>3</sup>	14.9	118	Puerto Rico <sup>3</sup>	0.8
52	Romania	14.8	119	Burundi	0.8
53	Chile <sup>3</sup>	14.8	120	Burkina Faso	0.7
54	Saudi Arabia	13.9	121	Ghana <sup>3</sup>	0.6
55	Mexico	13.8	122	Benin	0.6
56	Uruguay <sup>3</sup>	13.8	123	Ethiopia	0.5
57	Mongolia	13.4	124	Madagascar	0.5
58	Russian Federation	13.3	125	Pakistan	0.5
59	Ecuador	12.7	126	Nepal <sup>3</sup>	0.5
60	Moldova	10.1	127	Mali <sup>3</sup>	0.4
61	Peru <sup>3</sup>	10.0	128	Cambodia	0.3
62	Armenia <sup>3</sup>	9.8	129	Lesotho <sup>3</sup>	0.3
63	Vietnam	9.5	130	Malawi	0.2
64	Greece	9.4	131	Chad <sup>3</sup>	0.2
65	Venezuela <sup>3</sup>	9.3	n/a	Kazakhstan	n/a
66	Argentina <sup>3</sup>	9.1	n/a	Malta	n/a
67	Brunei Darussalam <sup>3</sup>	8.8	n/a	Timor-Leste	n/a

SOURCE: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

<sup>1</sup> 2003 <sup>2</sup> 2004 <sup>3</sup> 2005

## 9.08 Broadband Internet subscribers (hard data)

Broadband Internet subscribers per 100 population | 2006

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Denmark	31.9	68	Ukraine	1.1
2	Netherlands	31.8	69	Ecuador	1.1
3	Iceland	29.5	70	Bosnia and Herzegovina	1.0
4	Korea, Rep.	29.3	71	Panama	1.0
5	Finland	27.1	72	Kuwait <sup>2</sup>	0.9
6	Norway	26.8	73	El Salvador	0.9
7	Switzerland	26.5	74	Saudi Arabia	0.9
8	Sweden	25.9	75	Jordan	0.8
9	Hong Kong SAR	24.5	76	Oman	0.7
10	Canada	22.9	77	South Africa	0.7
11	Belgium	22.6	78	Georgia	0.6
12	United Kingdom	21.7	79	Vietnam	0.6
13	Luxembourg	21.0	80	Suriname	0.6
14	France	20.9	81	Moldova	0.5
15	Israel	20.8	82	Algeria	0.5
16	Japan	20.6	83	Madagascar <sup>1</sup>	0.5
17	Barbados	20.5	84	Tunisia	0.4
18	United States	20.1	85	Nicaragua	0.3
19	Taiwan, China	19.8	86	Egypt	0.3
20	Australia	19.1	87	Guyana <sup>2</sup>	0.3
21	Estonia	18.6	88	Paraguay	0.3
22	Singapore	18.3	89	Senegal	0.2
23	Germany	18.1	90	Guatemala <sup>2</sup>	0.2
24	Austria	17.7	91	Kazakhstan	0.2
25	Spain	15.4	92	India	0.2
26	Italy	14.9	93	Bolivia	0.2
27	Ireland	14.3	94	Thailand <sup>2</sup>	0.2
28	New Zealand	14.2	95	Libya <sup>2</sup>	0.2
29	Slovenia	14.0	96	Philippines <sup>2</sup>	0.1
30	Portugal	13.5	97	Mongolia	0.1
31	Malta	13.1	98	Sri Lanka	0.1
32	Hungary	11.9	99	Botswana	0.1
33	Czech Republic	10.9	100	Indonesia <sup>2</sup>	0.1
34	Lithuania	10.8	101	Zimbabwe	0.1
35	Poland	7.6	102	Armenia <sup>2</sup>	0.1
36	Cyprus	7.5	103	Ghana	0.1
37	Serbia	7.4	104	Côte d'Ivoire	0.1
38	Chile	5.9	105	Kyrgyz Republic <sup>2</sup>	0.1
39	Slovak Republic	5.9	106	Kenya <sup>2</sup>	0.1
40	Qatar	5.6	107	Syria	0.0
41	Croatia	5.5	108	Cambodia	0.0
42	Bahrain	5.2	109	Mauritania	0.0
43	United Arab Emirates	5.2	110	Azerbaijan <sup>2</sup>	0.0
44	Romania	5.0	111	Mali	0.0
45	Bulgaria	5.0	112	Zambia	0.0
46	Latvia	4.8	113	Benin	0.0
47	Greece	4.4	114	Pakistan	0.0
48	Argentina	4.0	115	Burkina Faso	0.0
49	China	3.8	116	Namibia	0.0
50	Turkey	3.7	117	Albania <sup>2</sup>	0.0
51	Malaysia	3.5	118	Gambia, The <sup>2</sup>	0.0
52	Brazil	3.1	119	Uganda	0.0
53	Uruguay	3.1	120	Malawi <sup>2</sup>	0.0
54	Puerto Rico <sup>2</sup>	3.0	121	Cameroon	0.0
55	Jamaica	3.0	122	Lesotho <sup>2</sup>	0.0
56	Mexico	2.8	123	Tajikistan <sup>2</sup>	0.0
57	Brunei Darussalam	2.3	124	Nigeria <sup>2</sup>	0.0
58	Costa Rica	2.0	125	Ethiopia	0.0
59	Russian Federation	2.0	126	Bangladesh <sup>2</sup>	0.0
60	Venezuela	2.0	126	Burundi <sup>2</sup>	0.0
61	Macedonia, FYR	1.8	126	Chad	0.0
62	Mauritius	1.7	126	Honduras <sup>2</sup>	0.0
63	Peru	1.7	126	Mozambique <sup>2</sup>	0.0
64	Trinidad and Tobago	1.6	126	Nepal <sup>2</sup>	0.0
65	Colombia	1.4	126	Tanzania <sup>2</sup>	0.0
66	Morocco	1.3	n/a	Montenegro	n/a
67	Dominican Republic	1.2	n/a	Timor-Leste	n/a

SOURCE: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

<sup>1</sup> 2004 <sup>2</sup> 2005





# Section X

## Market size

## 10.01 Domestic market size index (hard data)

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 | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	United States	7.0	68	Guatemala	3.3
2	China	6.4	69	Kenya	3.3
3	Japan	6.1	70	Lithuania	3.3
4	India	5.9	71	Dominican Republic	3.3
5	Germany	5.8	72	Qatar	3.2
6	United Kingdom	5.7	73	Puerto Rico	3.2
7	France	5.7	74	Slovenia	3.2
8	Russian Federation	5.6	75	Tanzania	3.2
9	Brazil	5.6	76	El Salvador	3.1
10	Italy	5.6	77	Costa Rica	3.1
11	Spain	5.4	78	Oman	3.1
12	Mexico	5.4	79	Latvia	3.1
13	Canada	5.3	80	Azerbaijan	3.0
14	Korea, Rep.	5.3	81	Cameroon	2.9
15	Turkey	5.1	82	Ghana	2.9
16	Indonesia	5.0	83	Honduras	2.9
17	Australia	5.0	84	Libya	2.9
18	Taiwan, China	4.8	85	Cyprus	2.9
19	Poland	4.8	86	Bosnia and Herzegovina	2.9
20	Netherlands	4.8	87	Uruguay	2.9
21	Argentina	4.7	88	Bolivia	2.9
22	South Africa	4.6	89	Jordan	2.9
23	Thailand	4.6	90	Uganda	2.8
24	Pakistan	4.6	91	Nepal	2.8
25	Egypt	4.5	92	Panama	2.8
26	Saudi Arabia	4.5	93	Estonia	2.8
27	Greece	4.5	94	Paraguay	2.7
28	Belgium	4.5	95	Côte d'Ivoire	2.7
29	Ukraine	4.4	96	Cambodia	2.7
30	Colombia	4.4	97	Luxembourg	2.6
31	Venezuela	4.4	98	Jamaica	2.6
32	Sweden	4.3	99	Albania	2.6
33	Philippines	4.3	100	Senegal	2.6
34	Austria	4.3	101	Georgia	2.6
35	Malaysia	4.3	102	Malta	2.5
36	Romania	4.3	103	Macedonia, FYR	2.5
37	Switzerland	4.3	104	Nicaragua	2.5
38	Hong Kong SAR	4.2	105	Madagascar	2.5
39	Portugal	4.2	106	Armenia	2.4
40	Czech Republic	4.2	107	Mozambique	2.4
41	Nigeria	4.2	108	Bahrain	2.4
42	Vietnam	4.1	109	Botswana	2.4
43	Bangladesh	4.1	110	Burkina Faso	2.4
44	Norway	4.1	111	Zambia	2.4
45	Peru	4.1	112	Trinidad and Tobago	2.3
46	Denmark	4.0	113	Mauritius	2.3
47	Chile	4.0	114	Moldova	2.2
48	Israel	4.0	115	Malawi	2.2
49	Hungary	4.0	116	Mali	2.2
50	Finland	4.0	117	Kyrgyz Republic	2.2
51	Ireland	3.9	118	Iceland	2.2
52	Algeria	3.9	119	Benin	2.2
53	Singapore	3.9	120	Tajikistan	2.2
54	Kazakhstan	3.9	121	Chad	2.1
55	United Arab Emirates	3.8	122	Namibia	2.0
56	Morocco	3.8	123	Brunei Darussalam	2.0
57	New Zealand	3.6	124	Mongolia	1.9
58	Slovak Republic	3.6	125	Montenegro	1.8
59	Ecuador	3.6	126	Lesotho	1.6
60	Bulgaria	3.6	127	Mauritania	1.6
61	Serbia	3.5	128	Barbados	1.6
62	Sri Lanka	3.5	129	Guyana	1.4
63	Kuwait	3.5	130	Burundi	1.3
64	Syria	3.4	131	Suriname	1.3
65	Tunisia	3.4	132	Timor-Leste	1.2
66	Croatia	3.4	133	Gambia, The	1.0
67	Ethiopia	3.4	134	Zimbabwe	1.0

SOURCE: Authors' calculations; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2008*; national sources

## 10.02 Foreign market size index (hard data)

Value of exports of goods and services, normalized on a 1–7 (best) scale | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	China	7.0	68	Syria	4.2
2	United States	6.6	69	Lithuania	4.2
3	Germany	6.5	70	Croatia	4.2
4	Japan	6.2	71	New Zealand	4.2
5	India	6.0	72	Ecuador	4.1
6	Russian Federation	6.0	73	Panama	4.1
7	Hong Kong SAR	6.0	74	Sri Lanka	4.0
8	United Kingdom	6.0	75	Costa Rica	3.9
9	Korea, Rep.	6.0	76	Bahrain	3.9
10	France	5.9	77	Estonia	3.9
11	Singapore	5.9	78	Malta	3.8
12	Italy	5.9	79	Cambodia	3.8
13	Taiwan, China	5.9	80	Latvia	3.8
14	Netherlands	5.9	81	Cyprus	3.8
15	Canada	5.8	82	Paraguay	3.8
16	Mexico	5.8	83	Côte d'Ivoire	3.8
17	Malaysia	5.7	84	Serbia	3.8
18	Thailand	5.7	85	Jordan	3.7
19	Spain	5.7	86	Trinidad and Tobago	3.7
20	Belgium	5.6	87	Bolivia	3.7
21	Saudi Arabia	5.6	88	Honduras	3.7
22	Poland	5.5	89	Dominican Republic	3.7
23	Brazil	5.5	90	Kenya	3.7
24	Indonesia	5.4	91	Botswana	3.7
25	Turkey	5.3	92	Brunei Darussalam	3.6
26	Czech Republic	5.3	93	Ghana	3.6
27	Austria	5.3	94	Uruguay	3.5
28	Sweden	5.2	95	El Salvador	3.5
29	Vietnam	5.2	96	Guatemala	3.4
30	Switzerland	5.2	97	Cameroon	3.4
31	Nigeria	5.2	98	Tanzania	3.4
32	United Arab Emirates	5.2	99	Chad	3.3
33	Hungary	5.2	100	Jamaica	3.3
34	Australia	5.1	101	Macedonia, FYR	3.3
35	Ireland	5.1	102	Mauritius	3.3
36	South Africa	5.1	103	Bosnia and Herzegovina	3.3
37	Ukraine	5.0	104	Ethiopia	3.2
38	Argentina	5.0	105	Mozambique	3.2
39	Egypt	5.0	106	Georgia	3.1
40	Philippines	5.0	107	Tajikistan	3.1
41	Algeria	5.0	108	Namibia	3.1
42	Norway	5.0	109	Mongolia	3.1
43	Chile	4.9	110	Nicaragua	3.0
44	Denmark	4.9	111	Moldova	2.9
45	Venezuela	4.9	112	Madagascar	2.9
46	Slovak Republic	4.8	113	Iceland	2.9
47	Finland	4.8	114	Senegal	2.9
48	Kuwait	4.8	115	Albania	2.9
49	Kazakhstan	4.8	116	Uganda	2.9
50	Israel	4.8	117	Nepal	2.8
51	Portugal	4.7	118	Mali	2.8
52	Greece	4.7	119	Kyrgyz Republic	2.8
53	Romania	4.7	120	Mauritania	2.8
54	Colombia	4.7	121	Barbados	2.7
55	Peru	4.6	122	Malawi	2.6
56	Luxembourg	4.6	123	Zambia	2.6
57	Pakistan	4.5	124	Suriname	2.6
58	Libya	4.5	125	Armenia	2.6
59	Bulgaria	4.5	126	Guyana	2.6
60	Puerto Rico	4.5	127	Benin	2.5
61	Qatar	4.4	128	Lesotho	2.4
62	Azerbaijan	4.3	129	Burkina Faso	2.3
63	Tunisia	4.3	130	Montenegro	2.3
64	Morocco	4.3	131	Gambia, The	2.0
65	Slovenia	4.3	132	Zimbabwe	2.0
66	Oman	4.3	133	Burundi	1.6
67	Bangladesh	4.2	134	Timor-Leste	1.0

SOURCE: Authors' calculations; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2008*; national sources

## 10.03 GDP valued at PPP (hard data)

Gross domestic product valued at purchasing power parity in millions of international dollars | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	United States	13,843,825	68	Libya	74,752
2	China	6,991,036	69	Croatia	68,984
3	Japan	4,289,809	70	Azerbaijan	65,469
4	India	2,988,867	71	Guatemala	62,528
5	Germany	2,809,693	72	Ethiopia	62,193
6	United Kingdom	2,137,421	73	Dominican Republic	61,792
7	Russian Federation	2,087,815	74	Oman	61,607
8	France	2,046,899	75	Lithuania	59,644
9	Brazil	1,835,642	76	Kenya	58,883
10	Italy	1,786,429	77	Slovenia	54,669
11	Spain	1,351,608	78	Tanzania	48,937
12	Mexico	1,346,009	79	Costa Rica	45,765
13	Canada	1,265,838	80	El Salvador	41,652
14	Korea, Rep.	1,200,879	81	Latvia	39,731
15	Turkey	887,964	82	Bolivia	39,438
16	Indonesia	837,791	83	Cameroon	39,365
17	Australia	760,812	84	Luxembourg	38,555
18	Taiwan, China	695,388	85	Uruguay	37,188
19	Netherlands	639,512	86	Cyprus	36,533
20	Poland	620,868	87	Panama	34,510
21	Saudi Arabia	564,561	88	Côte d'Ivoire	32,181
22	Argentina	523,739	89	Ghana	31,331
23	Thailand	519,362	90	Honduras	30,651
24	South Africa	467,089	91	Nepal	29,040
25	Pakistan	409,958	92	Uganda	29,036
26	Egypt	403,961	93	Estonia	28,317
27	Belgium	375,993	94	Jordan	27,986
28	Malaysia	357,391	95	Bosnia and Herzegovina	27,728
29	Sweden	334,641	96	Paraguay	27,082
30	Venezuela	334,575	97	Cambodia	25,900
31	Greece	324,616	98	Botswana	25,676
32	Ukraine	320,126	99	Bahrain	24,499
33	Colombia	319,522	100	Trinidad and Tobago	23,788
34	Austria	317,807	101	Malta	21,886
35	Switzerland	300,186	102	Jamaica	20,673
36	Philippines	299,626	103	Senegal	20,601
37	Hong Kong SAR	292,769	104	Georgia	20,499
38	Nigeria	292,682	105	Albania	19,916
39	Czech Republic	248,902	106	Brunei Darussalam	19,640
40	Norway	247,416	107	Madagascar	18,120
41	Romania	245,540	108	Macedonia, FYR	17,350
42	Chile	231,061	109	Burkina Faso	17,200
43	Portugal	230,549	110	Armenia	17,151
44	Singapore	228,116	111	Mozambique	17,019
45	Algeria	224,748	112	Zambia	15,918
46	Vietnam	221,397	113	Chad	15,902
47	Peru	219,015	114	Nicaragua	15,839
48	Bangladesh	206,658	115	Mauritius	14,060
49	Denmark	203,677	116	Mali	13,465
50	Hungary	191,324	117	Iceland	12,144
51	Ireland	186,166	118	Benin	12,102
52	Israel	185,888	119	Tajikistan	11,819
53	Finland	185,485	120	Namibia	10,715
54	Kazakhstan	167,622	121	Malawi	10,513
55	United Arab Emirates	167,296	122	Kyrgyz Republic	10,500
56	Kuwait	130,113	123	Moldova	9,821
57	Morocco	125,250	124	Mongolia	8,420
58	New Zealand	111,721	125	Mauritania	5,947
59	Slovak Republic	109,587	126	Montenegro	5,918
60	Ecuador	98,788	127	Barbados	5,317
61	Syria	87,091	128	Suriname	4,073
62	Bulgaria	86,317	129	Lesotho	3,092
63	Sri Lanka	81,288	130	Guyana	2,920
64	Serbia	77,277	131	Burundi	2,896
65	Tunisia	76,999	132	Timor-Leste	2,608
66	Puerto Rico <sup>1</sup>	75,820	133	Zimbabwe	2,211
67	Qatar	75,224	134	Gambia, The	2,106

SOURCE: IMF, *World Economic Outlook Database* (April 2008); national sources

<sup>1</sup> 2006

## 10.04 Imports as a percentage of GDP (hard data)

Imports of goods and services as a percentage of GDP | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Singapore	202.0	68	Poland	43.0
2	Hong Kong SAR	196.7	69	Sri Lanka	42.5
3	Lesotho	161.6	70	Kenya	42.0
4	Guyana	136.3	71	Philippines	41.8
5	Luxembourg	131.5	72	Côte d'Ivoire	41.0
6	Moldova	96.1	73	Morocco	40.6
7	Malaysia	89.4	74	Kazakhstan	40.2
8	Slovak Republic	86.8	75	Finland	40.1
9	Jordan	86.5	76	Portugal	39.9
10	Belgium	85.8	77	Germany	39.7
11	Bulgaria	85.5	78	Timor-Leste <sup>2</sup>	39.6
12	Malta	84.2	79	Trinidad and Tobago	39.0
13	Vietnam	82.5	80	Oman	38.9
14	Estonia	81.7	81	Senegal	38.3
15	Honduras	78.4	82	Ecuador	37.3
16	United Arab Emirates	78.0	83	Nigeria	36.7
17	Hungary	77.7	84	Madagascar	36.3
18	Cambodia	76.6	85	Azerbaijan	35.6
19	Czech Republic	74.3	86	Greece	35.4
20	Slovenia	73.2	87	Uganda	34.9
21	Panama	71.7	88	Egypt	34.8
22	Paraguay	71.1	89	South Africa	34.7
23	Ireland	70.4	90	Syria	34.6
24	Mauritius	68.8	91	Mexico	34.4
25	Barbados <sup>1</sup>	68.6	92	Chile	33.3
26	Lithuania	67.4	93	China	33.1
27	Netherlands	67.3	94	Canada	32.9
28	Macedonia, FYR	67.1	95	Spain	32.7
29	Bosnia and Herzegovina	66.3	96	Tanzania	32.3
30	Mongolia	66.3	97	Bolivia	32.0
31	Gambia, The	66.3	98	Chad	31.8
32	Taiwan, China	66.3	98	Mali <sup>3</sup>	31.8
33	Ghana	66.2	100	Guatemala	31.1
34	Malawi	65.9	101	Ethiopia	30.9
35	Thailand	65.6	102	Dominican Republic	30.7
36	Montenegro <sup>2</sup>	65.1	102	Saudi Arabia	30.7
37	Kyrgyz Republic	64.7	104	Benin	30.5
38	Latvia	64.7	105	Kuwait	30.3
39	Jamaica	64.5	106	Norway	30.0
40	Tajikistan	64.4	107	Uruguay	29.9
41	Nicaragua	62.7	108	New Zealand	29.6
42	Bahrain	61.2	109	United Kingdom	29.5
43	Suriname	59.9	110	Italy	29.4
44	Namibia	59.7	111	Armenia	29.0
45	Mauritania <sup>2</sup>	59.0	112	Zambia	28.7
46	Tunisia	56.5	113	France	28.5
47	Croatia	56.3	114	Botswana	28.5
48	Mozambique	55.4	115	Turkey	28.0
49	Zimbabwe	55.3	116	Cameroon	26.7
50	Burundi	55.1	117	Libya	26.5
51	Costa Rica	53.0	118	Indonesia	25.3
52	Cyprus	52.7	119	Bangladesh	24.6
53	Austria	51.8	120	India	24.3
54	Denmark	51.3	121	Algeria	24.2
55	Puerto Rico	49.5	122	Venezuela	24.1
56	Georgia	47.2	123	Colombia	23.8
57	Qatar	47.1	124	Nepal	23.8
58	Switzerland	47.0	125	Pakistan	22.2
59	Iceland	46.0	126	Russian Federation	21.9
60	Israel	45.5	127	Peru	21.8
61	Korea, Rep.	44.8	128	Australia	21.8
62	Serbia	44.7	129	Argentina	20.2
63	Sweden	44.7	130	Brunei Darussalam	17.1
64	Romania	44.6	131	United States	17.0
65	El Salvador	44.4	132	Japan	15.9
66	Ukraine	44.2	133	Burkina Faso	15.4
67	Albania	43.3	134	Brazil	12.3

SOURCE: Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2007*; national sources

<sup>1</sup> 2005 <sup>2</sup> 2006 <sup>3</sup> 2007

## 10.05 Exports as a percentage of GDP (hard data)

Exports of goods and services as a percentage of GDP | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Singapore	230.9	68	Israel	44.1
2	Hong Kong SAR	207.4	69	China	41.4
3	Luxembourg	165.0	70	Poland	41.3
4	Malaysia	109.6	71	Philippines	41.0
5	United Arab Emirates	94.4	72	Mozambique	41.0
6	Belgium	89.3	73	Jamaica	40.9
7	Guyana	87.8	74	Ukraine	40.2
8	Slovak Republic	86.4	75	Bolivia	40.1
9	Bahrain	84.8	76	Syria	39.0
10	Malta	84.7	77	Ghana	38.5
11	Ireland	81.0	78	Iceland	35.3
12	Panama	80.2	79	Canada	34.9
13	Hungary	80.0	80	Kyrgyz Republic	33.7
14	Czech Republic	78.9	81	Nicaragua	33.2
15	Vietnam	78.2	82	Portugal	32.7
16	Netherlands	75.3	83	Mexico	32.5
17	Libya	74.9	84	Morocco	32.1
18	Taiwan, China	73.8	85	South Africa	31.6
19	Thailand	73.2	86	Sri Lanka	31.6
20	Estonia	72.8	87	Egypt	31.5
21	Slovenia	71.4	88	Georgia	30.7
22	Puerto Rico	69.8	89	Venezuela	30.4
23	Cambodia	68.3	90	Russian Federation	30.3
24	Trinidad and Tobago	67.4	91	Indonesia	29.4
25	Mongolia	64.9	92	Romania	29.3
26	Suriname	64.7	93	Uruguay	29.2
27	Qatar	63.9	94	Italy	29.1
28	Azerbaijan	63.8	95	Peru	29.1
28	Kuwait	63.8	96	New Zealand	28.5
30	Bulgaria	63.4	97	Bosnia and Herzegovina	28.3
31	Lesotho	62.7	98	Ecuador	28.3
31	Paraguay	62.7	99	Malawi	27.2
33	Brunei Darussalam	62.4	100	France	26.6
34	Oman	61.3	101	Mali	26.6
35	Mauritania <sup>2</sup>	59.0	102	Spain	26.2
36	Mauritius	58.7	103	Montenegro <sup>2</sup>	26.0
37	Barbados <sup>1</sup>	58.4	104	United Kingdom	25.9
38	Saudi Arabia	58.3	105	Kenya	25.7
39	Austria	58.1	106	El Salvador	25.6
39	Jordan	58.1	107	Dominican Republic	25.2
41	Nigeria	56.4	108	Cameroon	24.7
42	Switzerland	56.3	109	Argentina	24.5
43	Botswana	56.0	110	Madagascar	24.1
43	Namibia	56.0	111	Turkey	23.0
45	Lithuania	55.4	112	Greece	22.6
46	Tunisia	54.1	113	Serbia	21.8
47	Chad	53.7	114	Colombia	21.6
48	Tajikistan	52.9	115	India	21.2
49	Côte d'Ivoire	52.6	116	Albania	20.6
50	Sweden	52.4	117	Senegal	20.4
51	Denmark	52.3	118	Australia	20.1
52	Algeria	51.7	119	Benin	19.7
53	Honduras	51.5	120	Tanzania	18.8
54	Gambia, The	49.4	121	Burundi	18.4
55	Kazakhstan	48.9	122	Japan	17.7
56	Costa Rica	48.4	123	Zambia	17.5
57	Macedonia, FYR	48.1	124	Bangladesh	16.9
58	Cyprus	47.9	125	Guatemala	16.3
59	Croatia	47.3	126	Armenia	15.2
60	Chile	47.1	127	Pakistan	13.9
61	Germany	46.7	128	Brazil	13.9
62	Norway	46.4	129	Uganda	13.7
63	Korea, Rep.	45.6	130	Nepal	13.6
64	Zimbabwe	45.4	131	United States	11.9
65	Moldova	45.3	132	Ethiopia	11.3
66	Finland	44.8	133	Burkina Faso	10.3
67	Latvia	44.4	134	Timor-Leste <sup>2</sup>	8.0

SOURCE: Economist Intelligence Unit, *CountryData Database* (May 2007); The World Bank, *World Development Indicators 2007*; The World Bank, *World Development Indicators 2008*; national sources

<sup>1</sup> 2005    <sup>2</sup> 2006

# Section XI

## Business sophistication



## 11.01 Local supplier quantity

Local suppliers in your country are (1 = largely nonexistent, 7 = numerous and include the most important materials, components, equipment, and services)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.7	7
1	Japan	6.3				68	Panama	4.8			
2	Germany	6.2				69	Morocco	4.8			
3	Austria	5.9				70	Estonia	4.8			
4	India	5.9				71	Burkina Faso	4.8			
5	Switzerland	5.9				72	Malta	4.8			
6	United States	5.8				73	Mali	4.8			
7	France	5.7				74	Ukraine	4.7			
8	Czech Republic	5.7				75	Greece	4.7			
9	Kuwait	5.6				76	Hungary	4.7			
10	Spain	5.6				77	Philippines	4.7			
11	Netherlands	5.6				78	New Zealand	4.7			
12	Belgium	5.6				79	Vietnam	4.7			
13	Brazil	5.5				80	Romania	4.7			
14	Hong Kong SAR	5.5				81	Libya	4.6			
15	Denmark	5.5				82	Côte d'Ivoire	4.6			
16	Malaysia	5.5				83	Oman	4.6			
17	Canada	5.5				84	Azerbaijan	4.6			
18	China	5.5				85	Chad	4.5			
19	Sweden	5.4				86	Egypt	4.5			
20	Chile	5.4				87	Trinidad and Tobago	4.5			
21	Tunisia	5.4				88	Gambia, The	4.5			
22	Norway	5.4				89	Russian Federation	4.5			
23	Korea, Rep.	5.3				90	Croatia	4.5			
24	Finland	5.3				91	Serbia	4.5			
25	Thailand	5.3				92	Honduras	4.5			
26	Taiwan, China	5.3				93	Bosnia and Herzegovina	4.4			
27	Italy	5.3				94	Montenegro	4.4			
28	Slovak Republic	5.3				95	El Salvador	4.4			
29	Lithuania	5.2				96	Macedonia, FYR	4.4			
30	Jordan	5.2				97	Malawi	4.4			
31	United Arab Emirates	5.2				98	Bangladesh	4.4			
32	Turkey	5.2				99	Jamaica	4.4			
33	Ireland	5.2				100	Uruguay	4.4			
34	Kenya	5.2				101	Barbados	4.4			
35	Puerto Rico	5.2				102	Luxembourg	4.4			
36	Saudi Arabia	5.1				103	Kazakhstan	4.4			
37	Qatar	5.1				104	Madagascar	4.4			
38	Senegal	5.1				105	Ghana	4.3			
39	Syria	5.1				106	Zambia	4.3			
40	Costa Rica	5.1				107	Latvia	4.3			
41	United Kingdom	5.1				108	Nepal	4.2			
42	Australia	5.1				109	Guyana	4.2			
43	South Africa	5.1				110	Burundi	4.2			
44	Singapore	5.1				111	Ecuador	4.1			
45	Guatemala	5.1				112	Paraguay	4.1			
46	Colombia	5.0				113	Algeria	4.1			
47	Bahrain	5.0				114	Armenia	4.0			
48	Iceland	5.0				115	Benin	4.0			
49	Sri Lanka	5.0				116	Tanzania	3.9			
50	Indonesia	5.0				117	Nicaragua	3.9			
51	Poland	5.0				118	Tajikistan	3.9			
52	Peru	5.0				119	Suriname	3.9			
53	Israel	4.9				120	Venezuela	3.8			
54	Portugal	4.9				121	Albania	3.8			
55	Mexico	4.9				122	Moldova	3.8			
56	Cameroon	4.9				123	Zimbabwe	3.7			
57	Dominican Republic	4.9				124	Ethiopia	3.7			
58	Slovenia	4.9				125	Kyrgyz Republic	3.7			
59	Mauritania	4.9				126	Cambodia	3.7			
60	Cyprus	4.9				127	Mozambique	3.7			
61	Bulgaria	4.8				128	Namibia	3.6			
62	Argentina	4.8				129	Mongolia	3.5			
63	Brunei Darussalam	4.8				130	Botswana	3.5			
64	Mauritius	4.8				131	Georgia	3.4			
65	Nigeria	4.8				132	Timor-Leste	3.3			
66	Pakistan	4.8				133	Bolivia	3.3			
67	Uganda	4.8				134	Lesotho	3.3			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.02 Local supplier quality

The quality of local suppliers in your country is (1 = very poor, 7 = very good)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.6	7
1	Austria	6.4			
2	Germany	6.4			
3	Switzerland	6.4			
4	Japan	6.3			
5	Belgium	6.0			
6	Netherlands	6.0			
7	United States	6.0			
8	Sweden	6.0			
9	Denmark	5.9			
10	France	5.9			
11	Norway	5.8			
12	Canada	5.8			
13	Finland	5.8			
14	Australia	5.7			
15	Taiwan, China	5.7			
16	Puerto Rico	5.6			
17	Hong Kong SAR	5.6			
18	Ireland	5.5			
19	Iceland	5.5			
20	New Zealand	5.5			
21	Czech Republic	5.4			
22	Singapore	5.4			
23	United Kingdom	5.4			
24	South Africa	5.4			
25	Spain	5.4			
26	Italy	5.3			
27	Israel	5.3			
28	Chile	5.3			
29	Korea, Rep.	5.3			
30	Kuwait	5.3			
31	Slovenia	5.3			
32	Malaysia	5.3			
33	Luxembourg	5.2			
34	United Arab Emirates	5.2			
35	Estonia	5.2			
36	Lithuania	5.2			
37	India	5.2			
38	Bahrain	5.2			
39	Costa Rica	5.2			
40	Thailand	5.2			
41	Brazil	5.1			
42	Cyprus	5.1			
43	Guatemala	5.0			
44	Tunisia	5.0			
45	Colombia	4.9			
46	Mexico	4.9			
47	Sri Lanka	4.9			
48	Senegal	4.9			
49	Saudi Arabia	4.9			
50	Portugal	4.9			
51	Slovak Republic	4.8			
52	Malta	4.8			
53	Panama	4.8			
54	Peru	4.8			
55	Turkey	4.8			
56	Jordan	4.8			
57	Indonesia	4.8			
58	Barbados	4.7			
59	Poland	4.7			
60	Nigeria	4.7			
61	Greece	4.7			
62	China	4.7			
63	Hungary	4.7			
64	Philippines	4.7			
65	Argentina	4.7			
66	Kenya	4.6			
67	Latvia	4.6			
68	Mauritius	4.6			
69	Oman	4.6			
70	Côte d'Ivoire	4.6			
71	Syria	4.5			
72	Qatar	4.5			
73	Croatia	4.5			
74	Gambia, The	4.5			
75	Dominican Republic	4.5			
76	Burkina Faso	4.5			
77	Trinidad and Tobago	4.4			
78	Bulgaria	4.4			
79	Jamaica	4.4			
80	El Salvador	4.4			
81	Uruguay	4.4			
82	Brunei Darussalam	4.3			
83	Romania	4.3			
84	Honduras	4.3			
85	Montenegro	4.3			
86	Morocco	4.3			
87	Ukraine	4.3			
88	Azerbaijan	4.2			
89	Benin	4.2			
90	Namibia	4.1			
91	Libya	4.1			
92	Guyana	4.1			
93	Pakistan	4.1			
94	Macedonia, FYR	4.1			
95	Bangladesh	4.0			
96	Suriname	4.0			
97	Vietnam	4.0			
98	Kazakhstan	4.0			
99	Zambia	4.0			
100	Russian Federation	4.0			
101	Ecuador	4.0			
102	Madagascar	3.9			
103	Egypt	3.9			
104	Ghana	3.9			
105	Mali	3.9			
106	Cameroon	3.9			
107	Paraguay	3.9			
108	Uganda	3.9			
109	Serbia	3.9			
110	Mauritania	3.9			
111	Armenia	3.8			
112	Nicaragua	3.8			
113	Bosnia and Herzegovina	3.8			
114	Venezuela	3.7			
115	Malawi	3.7			
116	Nepal	3.6			
117	Cambodia	3.6			
118	Botswana	3.6			
119	Burundi	3.5			
120	Albania	3.5			
121	Zimbabwe	3.5			
122	Tajikistan	3.5			
123	Tanzania	3.5			
124	Ethiopia	3.5			
125	Kyrgyz Republic	3.4			
126	Moldova	3.4			
127	Lesotho	3.3			
128	Bolivia	3.3			
129	Mongolia	3.3			
130	Algeria	3.3			
131	Georgia	3.2			
132	Chad	3.2			
133	Mozambique	3.1			
134	Timor-Leste	2.6			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.03 State of cluster development

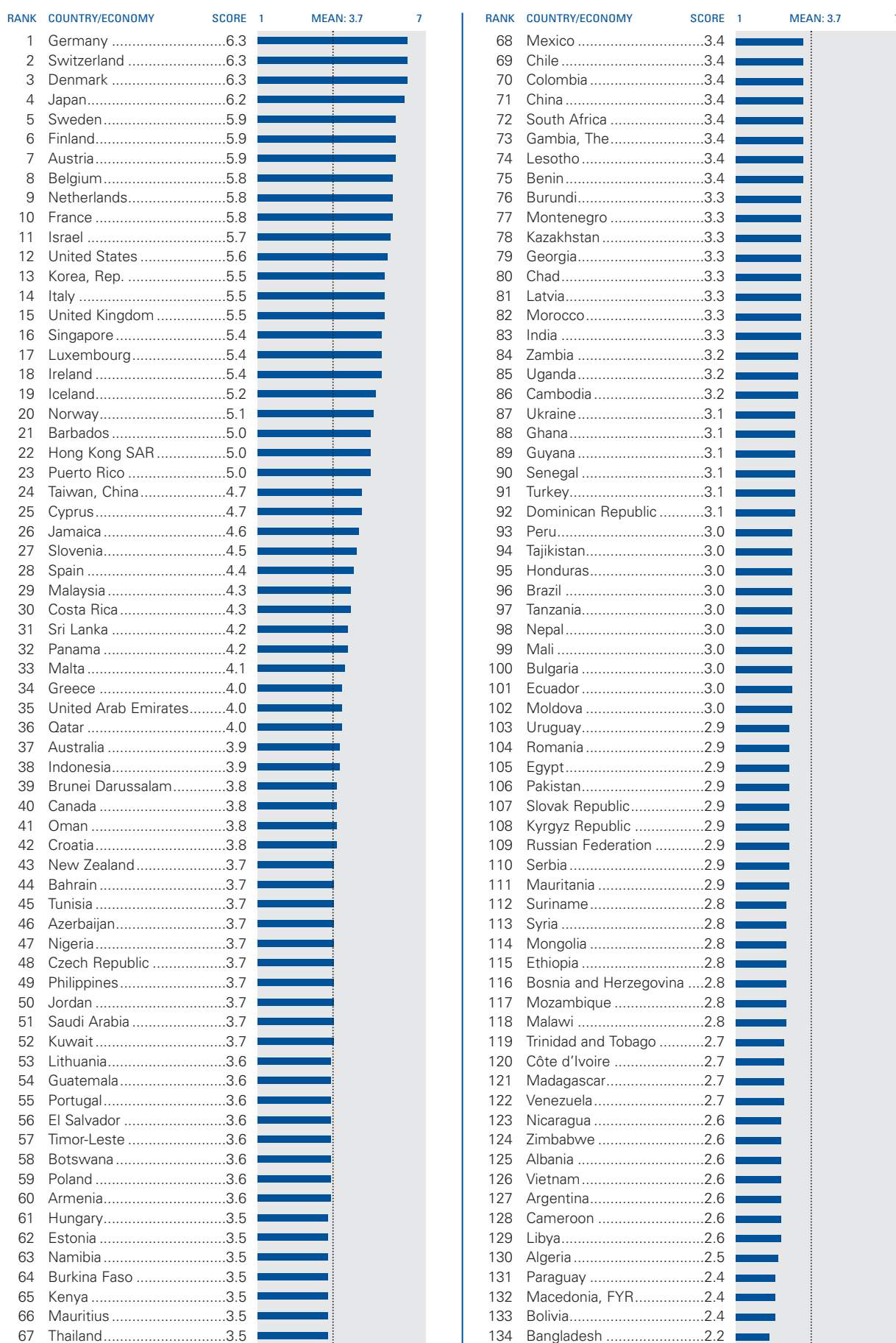
In your country's economy, well-developed and deep clusters are (1 = rare or absent, 7 = widespread in many fields)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.6	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.6	7
1	Taiwan, China	5.6				68	Portugal	3.5			
2	United States	5.6				69	Senegal	3.5			
3	Singapore	5.3				70	Slovak Republic	3.5			
4	Italy	5.3				71	New Zealand	3.5			
5	Japan	5.2				72	Honduras	3.5			
6	Finland	5.2				73	Peru	3.4			
7	Hong Kong SAR	5.0				74	Côte d'Ivoire	3.4			
8	Korea, Rep.	5.0				75	Estonia	3.4			
9	Switzerland	4.9				76	Lithuania	3.4			
10	Germany	4.9				77	Bangladesh	3.4			
11	Denmark	4.9				78	Brunei Darussalam	3.3			
12	Netherlands	4.8				79	Tanzania	3.3			
13	Malaysia	4.8				80	Kazakhstan	3.3			
14	Sweden	4.8				81	Botswana	3.3			
15	United Kingdom	4.7				82	Argentina	3.3			
16	Canada	4.7				83	Ukraine	3.3			
17	Austria	4.7				84	Uganda	3.3			
18	Indonesia	4.6				85	Dominican Republic	3.2			
19	China	4.6				86	El Salvador	3.2			
20	Norway	4.6				87	Namibia	3.2			
21	United Arab Emirates	4.6				88	Greece	3.1			
22	Luxembourg	4.5				89	Mauritania	3.1			
23	France	4.5				90	Ethiopia	3.1			
24	India	4.5				91	Georgia	3.1			
25	Vietnam	4.4				92	Poland	3.1			
26	Ireland	4.4				93	Libya	3.1			
27	Belgium	4.4				94	Jamaica	3.1			
28	Sri Lanka	4.4				95	Malta	3.1			
29	Cyprus	4.2				96	Russian Federation	3.0			
30	Puerto Rico	4.1				97	Syria	3.0			
31	Thailand	4.1				98	Lesotho	3.0			
32	Israel	4.1				99	Bulgaria	3.0			
33	Qatar	4.1				100	Uruguay	3.0			
34	Australia	4.0				101	Ghana	3.0			
35	Czech Republic	4.0				102	Nepal	3.0			
36	Saudi Arabia	4.0				103	Madagascar	2.9			
37	Spain	4.0				104	Serbia	2.9			
38	Bahrain	3.9				105	Guyana	2.9			
39	Nigeria	3.9				106	Malawi	2.9			
40	South Africa	3.9				107	Azerbaijan	2.9			
41	Jordan	3.9				108	Timor-Leste	2.9			
42	Kuwait	3.9				109	Ecuador	2.9			
43	Brazil	3.9				110	Mozambique	2.8			
44	Iceland	3.9				111	Mongolia	2.8			
45	Panama	3.9				112	Latvia	2.8			
46	Egypt	3.8				113	Benin	2.8			
47	Kenya	3.8				114	Croatia	2.7			
48	Slovenia	3.8				115	Bolivia	2.7			
49	Oman	3.8				116	Zimbabwe	2.7			
50	Tunisia	3.8				117	Nicaragua	2.7			
51	Hungary	3.7				118	Suriname	2.7			
52	Morocco	3.7				119	Burkina Faso	2.7			
53	Chile	3.7				120	Algeria	2.6			
54	Turkey	3.7				121	Kyrgyz Republic	2.6			
55	Mauritius	3.7				122	Paraguay	2.6			
56	Philippines	3.7				123	Macedonia, FYR	2.6			
57	Gambia, The	3.6				124	Cameroon	2.6			
58	Mexico	3.6				125	Tajikistan	2.6			
59	Romania	3.6				126	Albania	2.5			
60	Cambodia	3.6				127	Mali	2.5			
61	Guatemala	3.6				128	Montenegro	2.5			
62	Colombia	3.6				129	Venezuela	2.5			
63	Trinidad and Tobago	3.6				130	Armenia	2.4			
64	Barbados	3.6				131	Burundi	2.4			
65	Zambia	3.5				132	Chad	2.2			
66	Pakistan	3.5				133	Bosnia and Herzegovina	2.2			
67	Costa Rica	3.5				134	Moldova	1.5			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.04 Nature of competitive advantage

Competitiveness of your country's companies in international markets is primarily due to (1 = low-cost or local natural resources, 7 = unique products and processes)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.05 Value chain breadth

Exporting companies in your country are (1 = primarily involved in individual steps of the value chain, e.g., resource extraction or production, 7 = present across the entire value chain, e.g., do not only produce but also perform product design, marketing sales, logistics and after-sales services)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7
1	Sweden	6.1				68	Estonia	3.6			
2	Japan	6.0				69	Kenya	3.6			
3	France	6.0				70	Azerbaijan	3.6			
4	Germany	6.0				71	New Zealand	3.5			
5	Switzerland	5.9				72	Australia	3.5			
6	Denmark	5.8				73	Egypt	3.5			
7	Finland	5.7				74	Benin	3.5			
8	United States	5.7				75	South Africa	3.5			
9	Netherlands	5.6				76	Dominican Republic	3.4			
10	Austria	5.6				77	Burundi	3.4			
11	Hong Kong SAR	5.5				78	Pakistan	3.4			
12	Korea, Rep.	5.5				79	Peru	3.4			
13	Italy	5.4				80	Latvia	3.4			
14	Singapore	5.4				81	Trinidad and Tobago	3.4			
15	United Kingdom	5.3				82	Kuwait	3.4			
16	Belgium	5.2				83	Gambia, The	3.4			
17	Taiwan, China	5.1				84	Chad	3.3			
18	Israel	5.0				85	Uruguay	3.3			
19	Ireland	4.9				86	Bulgaria	3.3			
20	Luxembourg	4.9				87	Guyana	3.3			
21	Spain	4.8				88	Cambodia	3.2			
22	Czech Republic	4.8				89	Ukraine	3.2			
23	Poland	4.7				90	Macedonia, FYR	3.2			
24	Slovenia	4.7				91	Vietnam	3.2			
25	Mauritius	4.7				92	Georgia	3.2			
26	Malaysia	4.7				93	Burkina Faso	3.2			
27	Iceland	4.6				94	Armenia	3.1			
28	India	4.5				95	Mali	3.1			
29	Lithuania	4.5				96	Serbia	3.1			
30	Sri Lanka	4.4				97	Tajikistan	3.1			
31	Tunisia	4.4				98	Nigeria	3.1			
32	Portugal	4.3				99	Montenegro	3.1			
33	Saudi Arabia	4.2				100	Nepal	3.1			
34	Costa Rica	4.2				101	Madagascar	3.1			
35	Cyprus	4.2				102	Ecuador	3.0			
36	Indonesia	4.2				103	Lesotho	3.0			
37	Puerto Rico	4.1				104	Kazakhstan	3.0			
38	Turkey	4.1				105	Russian Federation	3.0			
39	Norway	4.1				106	Argentina	3.0			
40	Morocco	4.1				107	Uganda	3.0			
41	United Arab Emirates	4.1				108	Botswana	2.9			
42	Malta	4.0				109	Moldova	2.9			
43	Qatar	4.0				110	Côte d'Ivoire	2.9			
44	Oman	4.0				111	Kyrgyz Republic	2.9			
45	Barbados	4.0				112	Bangladesh	2.9			
46	Hungary	4.0				113	Bosnia and Herzegovina	2.8			
47	Philippines	4.0				114	Ethiopia	2.8			
48	Canada	4.0				115	Timor-Leste	2.8			
49	Colombia	3.9				116	Cameroon	2.7			
50	Slovak Republic	3.9				117	Zambia	2.7			
51	Bahrain	3.9				118	Tanzania	2.7			
52	Jordan	3.9				119	Nicaragua	2.7			
53	Greece	3.9				120	Namibia	2.7			
54	Thailand	3.9				121	Ghana	2.7			
55	Chile	3.9				122	Paraguay	2.7			
56	China	3.8				123	Albania	2.6			
57	Romania	3.8				124	Bolivia	2.6			
58	Senegal	3.8				125	Malawi	2.5			
59	Mexico	3.8				126	Mozambique	2.5			
60	Guatemala	3.8				127	Suriname	2.4			
61	El Salvador	3.7				128	Brunei Darussalam	2.4			
62	Panama	3.7				129	Venezuela	2.4			
63	Croatia	3.7				130	Libya	2.3			
64	Syria	3.7				131	Zimbabwe	2.3			
65	Jamaica	3.7				132	Algeria	2.3			
66	Brazil	3.6				133	Mauritania	2.2			
67	Honduras	3.6				134	Mongolia	2.1			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.06 Control of international distribution

International distribution and marketing from your country (1 = take place through foreign companies, 7 = are owned and controlled by local companies)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7
1	France	5.5				68	Morocco	4.0			
2	Germany	5.4				69	Mexico	4.0			
3	Switzerland	5.4				70	El Salvador	3.9			
4	United States	5.3				71	Costa Rica	3.9			
5	Iceland	5.2				72	Malawi	3.9			
6	Syria	5.2				73	Romania	3.9			
7	Austria	5.1				74	Peru	3.9			
8	Japan	5.1				75	Dominican Republic	3.9			
9	Netherlands	5.1				76	Trinidad and Tobago	3.9			
10	Denmark	5.1				77	Kyrgyz Republic	3.9			
11	Taiwan, China	5.1				78	Macedonia, FYR	3.9			
12	Korea, Rep.	5.0				79	Guyana	3.9			
13	United Kingdom	5.0				80	Suriname	3.9			
14	Finland	4.9				81	Barbados	3.9			
15	Saudi Arabia	4.9				82	Uruguay	3.9			
16	Senegal	4.8				83	Thailand	3.9			
17	Sweden	4.8				84	Guatemala	3.9			
18	Malaysia	4.8				85	Czech Republic	3.9			
19	Sri Lanka	4.8				86	Bulgaria	3.9			
20	Canada	4.8				87	Côte d'Ivoire	3.8			
21	Kuwait	4.7				88	Montenegro	3.8			
22	Cyprus	4.7				89	Jamaica	3.8			
23	Norway	4.7				90	Slovak Republic	3.8			
24	Chile	4.7				91	Albania	3.8			
25	Hong Kong SAR	4.7				92	Ecuador	3.8			
26	Bahrain	4.7				93	Burkina Faso	3.8			
27	Israel	4.6				94	Burundi	3.8			
28	Belgium	4.6				95	Libya	3.8			
29	India	4.6				96	Benin	3.8			
30	Italy	4.6				97	Pakistan	3.7			
31	Tunisia	4.6				98	Russian Federation	3.7			
32	Spain	4.6				99	Cameroon	3.7			
33	Australia	4.5				100	Mali	3.7			
34	Slovenia	4.5				101	Uganda	3.7			
35	Indonesia	4.5				102	Serbia	3.7			
36	Lithuania	4.5				103	Latvia	3.7			
37	South Africa	4.5				104	Honduras	3.7			
38	United Arab Emirates	4.5				105	Nepal	3.7			
39	Nigeria	4.5				106	Puerto Rico	3.6			
40	Ukraine	4.5				107	Mauritania	3.6			
41	Jordan	4.5				108	Argentina	3.6			
42	Mauritius	4.4				109	Venezuela	3.6			
43	Qatar	4.3				110	Madagascar	3.5			
44	New Zealand	4.3				111	Georgia	3.5			
45	Oman	4.3				112	Namibia	3.5			
46	Brazil	4.3				113	Zimbabwe	3.5			
47	China	4.3				114	Ghana	3.5			
48	Luxembourg	4.3				115	Hungary	3.4			
49	Egypt	4.3				116	Zambia	3.4			
50	Azerbaijan	4.3				117	Chad	3.4			
51	Turkey	4.3				118	Nicaragua	3.4			
52	Ireland	4.3				119	Vietnam	3.4			
53	Poland	4.2				120	Tanzania	3.4			
54	Portugal	4.2				121	Mozambique	3.4			
55	Greece	4.2				122	Armenia	3.3			
56	Kenya	4.2				123	Cambodia	3.3			
57	Singapore	4.2				124	Bangladesh	3.3			
58	Tajikistan	4.2				125	Bolivia	3.3			
59	Gambia, The	4.2				126	Algeria	3.3			
60	Kazakhstan	4.2				127	Brunei Darussalam	3.3			
61	Estonia	4.2				128	Botswana	3.2			
62	Ethiopia	4.2				129	Paraguay	3.2			
63	Malta	4.1				130	Bosnia and Herzegovina	3.1			
64	Croatia	4.1				131	Mongolia	3.1			
65	Panama	4.1				132	Moldova	3.0			
66	Colombia	4.0				133	Lesotho	2.9			
67	Philippines	4.0				134	Timor-Leste	2.9			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.07 Production process sophistication

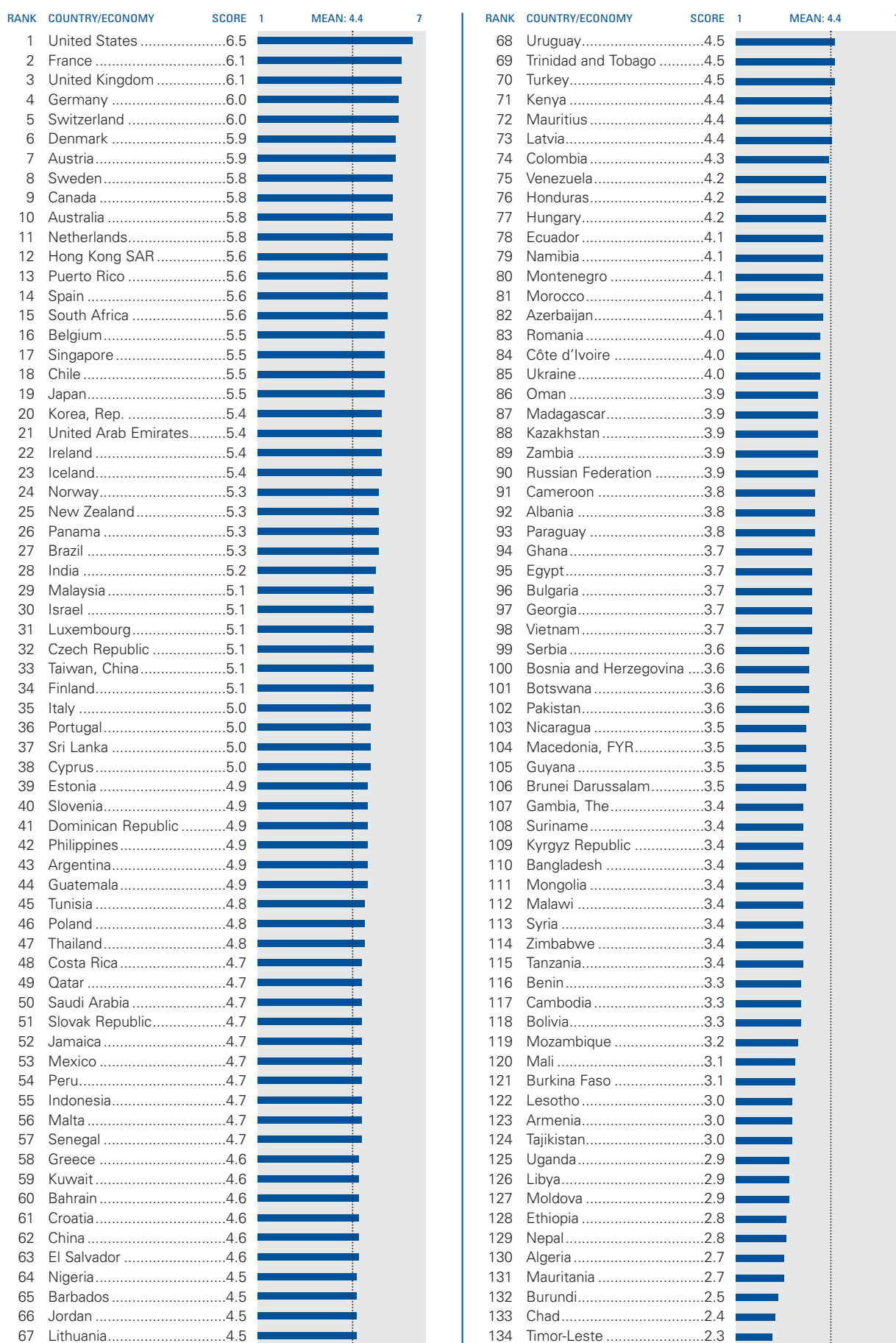
In your country, production processes use (1 = labor-intensive methods or previous generations of process technology, 7 = the world's best and most efficient process technology)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.8	7
1	Japan	6.2				68	Thailand	3.6			
2	Sweden	6.2				69	Guatemala	3.5			
3	Germany	6.2				70	Morocco	3.5			
4	Switzerland	6.1				71	Argentina	3.5			
5	Denmark	6.0				72	Indonesia	3.5			
6	Finland	6.0				73	Romania	3.5			
7	France	5.9				74	Uruguay	3.4			
8	Netherlands	5.9				75	Colombia	3.4			
9	Austria	5.8				76	Tajikistan	3.4			
10	Belgium	5.8				77	Philippines	3.4			
11	United States	5.7				78	Syria	3.4			
12	Norway	5.7				79	Peru	3.3			
13	Taiwan, China	5.6				80	Nigeria	3.3			
14	Singapore	5.6				81	Namibia	3.3			
15	Luxembourg	5.4				82	Libya	3.2			
16	Iceland	5.4				83	Montenegro	3.2			
17	Korea, Rep.	5.3				84	Georgia	3.2			
18	Ireland	5.3				85	Mongolia	3.2			
19	Israel	5.2				86	Senegal	3.1			
20	United Kingdom	5.2				87	Brunei Darussalam	3.1			
21	Puerto Rico	5.1				88	Honduras	3.1			
22	Canada	5.0				89	El Salvador	3.1			
23	Australia	5.0				90	Moldova	3.1			
24	Hong Kong SAR	5.0				91	Jamaica	3.1			
25	Italy	4.7				92	Dominican Republic	3.1			
26	Czech Republic	4.7				93	Albania	3.1			
27	Malaysia	4.6				94	Vietnam	3.0			
28	Spain	4.6				95	Bulgaria	3.0			
29	Qatar	4.6				96	Suriname	3.0			
30	New Zealand	4.6				97	Lesotho	3.0			
31	Oman	4.6				98	Kyrgyz Republic	3.0			
32	Saudi Arabia	4.5				99	Botswana	3.0			
33	Brazil	4.5				100	Venezuela	2.9			
34	Slovenia	4.4				101	Kenya	2.9			
35	United Arab Emirates	4.4				102	Gambia, The	2.9			
36	Chile	4.4				103	Armenia	2.9			
37	Portugal	4.3				104	Benin	2.9			
38	Malta	4.3				105	Macedonia, FYR	2.8			
39	Estonia	4.3				106	Mozambique	2.8			
40	Tunisia	4.2				107	Cambodia	2.8			
41	India	4.2				108	Côte d'Ivoire	2.7			
42	Slovak Republic	4.2				109	Ecuador	2.7			
43	South Africa	4.2				110	Pakistan	2.7			
44	Jordan	4.2				111	Mauritania	2.7			
45	Kuwait	4.2				112	Mali	2.7			
46	Cyprus	4.1				113	Burkina Faso	2.7			
47	Azerbaijan	4.1				114	Serbia	2.7			
48	Costa Rica	4.1				115	Cameroon	2.6			
49	Sri Lanka	4.0				116	Madagascar	2.6			
50	Bahrain	3.9				117	Paraguay	2.6			
51	Greece	3.9				118	Nicaragua	2.6			
52	Kazakhstan	3.9				119	Timor-Leste	2.6			
53	Ukraine	3.9				120	Guyana	2.6			
54	Poland	3.8				121	Zambia	2.5			
55	Hungary	3.8				122	Algeria	2.5			
56	Turkey	3.8				123	Bosnia and Herzegovina	2.5			
57	Trinidad and Tobago	3.8				124	Tanzania	2.5			
58	Mauritius	3.8				125	Nepal	2.4			
59	China	3.7				126	Bolivia	2.4			
60	Croatia	3.7				127	Burundi	2.4			
61	Egypt	3.7				128	Ethiopia	2.3			
62	Barbados	3.7				129	Bangladesh	2.3			
63	Panama	3.7				130	Zimbabwe	2.3			
64	Lithuania	3.7				131	Uganda	2.2			
65	Latvia	3.6				132	Ghana	2.0			
66	Russian Federation	3.6				133	Chad	2.0			
67	Mexico	3.6				134	Malawi	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 11.08 Extent of marketing

In your country, the extent of marketing is (1 = limited and primitive, 7 = extensive and employs the world's most sophisticated tools and techniques)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 11.09 Willingness to delegate authority

In your company, willingness to delegate authority to subordinates is (1 = low—top management controls all important decisions, 7 = high—authority is mostly delegated to business unit heads and other lower-level managers)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.1	7
1	Sweden	6.2			
2	Denmark	6.0			
3	Netherlands	5.8			
4	Norway	5.7			
5	Switzerland	5.6			
6	United States	5.5			
7	Finland	5.5			
8	Iceland	5.4			
9	Austria	5.4			
10	Germany	5.4			
11	New Zealand	5.3			
12	Canada	5.3			
13	Belgium	5.2			
14	Australia	5.1			
15	Singapore	5.1			
16	United Kingdom	5.0			
17	Luxembourg	5.0			
18	Japan	4.9			
19	Costa Rica	4.9			
20	Malaysia	4.9			
21	Hong Kong SAR	4.8			
22	South Africa	4.8			
23	Israel	4.8			
24	Ireland	4.8			
25	India	4.8			
26	Korea, Rep.	4.7			
27	Estonia	4.7			
28	Indonesia	4.7			
29	Slovak Republic	4.6			
30	Guatemala	4.6			
31	Philippines	4.6			
32	Puerto Rico	4.6			
33	Taiwan, China	4.6			
34	Oman	4.6			
35	France	4.6			
36	Chile	4.6			
37	Brazil	4.6			
38	Egypt	4.6			
39	Kuwait	4.6			
40	Spain	4.5			
41	United Arab Emirates	4.5			
42	Ghana	4.5			
43	Portugal	4.5			
44	Sri Lanka	4.4			
45	Gambia, The	4.4			
46	Czech Republic	4.4			
47	Jordan	4.4			
48	Croatia	4.4			
49	Bahrain	4.3			
50	Panama	4.3			
51	Barbados	4.3			
52	Montenegro	4.2			
53	Qatar	4.2			
54	Mexico	4.2			
55	Argentina	4.2			
56	Kenya	4.2			
57	Honduras	4.2			
58	China	4.2			
59	Mauritius	4.2			
60	Nigeria	4.2			
61	Peru	4.2			
62	Uruguay	4.1			
63	El Salvador	4.1			
64	Slovenia	4.1			
65	Malta	4.1			
66	Jamaica	4.1			
67	Thailand	4.1			
68	Saudi Arabia	4.1			
69	Zimbabwe	4.1			
70	Lithuania	4.0			
71	Dominican Republic	4.0			
72	Tunisia	4.0			
73	Cyprus	4.0			
74	Pakistan	4.0			
75	Namibia	4.0			
76	Guyana	4.0			
77	Malawi	3.9			
78	Azerbaijan	3.9			
79	Latvia	3.9			
80	Lesotho	3.9			
81	Ecuador	3.8			
82	Colombia	3.8			
83	Tanzania	3.8			
84	Greece	3.8			
85	Russian Federation	3.8			
86	Trinidad and Tobago	3.8			
87	Georgia	3.7			
88	Paraguay	3.7			
89	Venezuela	3.7			
90	Poland	3.7			
91	Nicaragua	3.7			
92	Syria	3.7			
93	Moldova	3.7			
94	Serbia	3.6			
95	Turkey	3.6			
96	Vietnam	3.6			
97	Kyrgyz Republic	3.6			
98	Ethiopia	3.6			
99	Kazakhstan	3.6			
100	Zambia	3.6			
101	Botswana	3.5			
102	Mozambique	3.5			
103	Romania	3.5			
104	Brunei Darussalam	3.5			
105	Suriname	3.5			
106	Uganda	3.5			
107	Ukraine	3.4			
108	Bolivia	3.4			
109	Italy	3.4			
110	Libya	3.3			
111	Senegal	3.3			
112	Nepal	3.3			
113	Tajikistan	3.3			
114	Morocco	3.3			
115	Bangladesh	3.3			
116	Côte d'Ivoire	3.3			
117	Albania	3.2			
118	Macedonia, FYR	3.2			
119	Bosnia and Herzegovina	3.2			
120	Cambodia	3.1			
121	Timor-Leste	3.1			
122	Hungary	3.1			
123	Armenia	3.0			
124	Madagascar	2.9			
125	Bulgaria	2.9			
126	Mongolia	2.8			
127	Benin	2.7			
128	Mali	2.7			
129	Cameroon	2.7			
130	Burundi	2.6			
131	Burkina Faso	2.6			
132	Algeria	2.5			
133	Mauritania	2.5			
134	Chad	2.4			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

# Section XII

## Innovation

## 12.01 Capacity for innovation

In your country, companies obtain technology (1 = exclusively from licensing or imitating foreign companies, 7 = by conducting formal research and pioneering their own new products and processes)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.4	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.4	7
1	Germany	6.0				68	Armenia	3.1			
2	Japan	5.9				69	Lesotho	3.0			
3	Switzerland	5.9				70	Poland	3.0			
4	Sweden	5.8				71	Latvia	3.0			
5	Finland	5.6				72	Malta	3.0			
6	United States	5.5				73	Pakistan	3.0			
7	Denmark	5.5				74	United Arab Emirates	3.0			
8	France	5.4				75	Uganda	3.0			
9	Korea, Rep.	5.3				76	Uruguay	3.0			
10	Israel	5.2				77	Barbados	3.0			
11	Netherlands	5.1				78	Senegal	3.0			
12	Austria	5.1				79	Argentina	2.9			
13	Norway	4.9				80	Bulgaria	2.9			
14	United Kingdom	4.9				81	Jamaica	2.9			
15	Belgium	4.9				82	Gambia, The	2.9			
16	Taiwan, China	4.7				83	Macedonia, FYR	2.9			
17	Iceland	4.6				84	Benin	2.9			
18	Canada	4.5				85	Egypt	2.9			
19	Singapore	4.5				86	Peru	2.8			
20	Slovenia	4.5				87	Morocco	2.8			
21	Malaysia	4.3				88	Madagascar	2.8			
22	Italy	4.3				89	Greece	2.8			
23	Luxembourg	4.3				90	Kyrgyz Republic	2.8			
24	Czech Republic	4.2				91	Dominican Republic	2.8			
25	China	4.2				92	Serbia	2.8			
26	Ireland	4.1				93	Honduras	2.8			
27	Brazil	4.0				94	Kuwait	2.7			
28	New Zealand	4.0				95	Mongolia	2.7			
29	Australia	4.0				96	El Salvador	2.7			
30	Spain	3.8				97	Georgia	2.7			
31	Ukraine	3.8				98	Botswana	2.7			
32	Portugal	3.8				99	Mauritius	2.7			
33	Hong Kong SAR	3.8				100	Guyana	2.6			
34	Sri Lanka	3.8				101	Mali	2.6			
35	India	3.8				102	Panama	2.6			
36	South Africa	3.8				103	Brunei Darussalam	2.6			
37	Saudi Arabia	3.7				104	Suriname	2.6			
38	Tunisia	3.7				105	Zambia	2.6			
39	Azerbaijan	3.7				106	Ethiopia	2.6			
40	Estonia	3.6				107	Cambodia	2.6			
41	Vietnam	3.5				108	Chad	2.6			
42	Croatia	3.5				109	Mauritania	2.6			
43	Costa Rica	3.5				110	Cameroon	2.6			
44	Kenya	3.5				111	Trinidad and Tobago	2.6			
45	Russian Federation	3.4				112	Namibia	2.6			
46	Hungary	3.4				113	Venezuela	2.5			
47	Nigeria	3.4				114	Burundi	2.5			
48	Puerto Rico	3.4				115	Timor-Leste	2.5			
49	Oman	3.3				116	Ecuador	2.5			
50	Kazakhstan	3.3				117	Syria	2.5			
51	Cyprus	3.3				118	Bahrain	2.5			
52	Lithuania	3.3				119	Tanzania	2.5			
53	Indonesia	3.3				120	Montenegro	2.5			
54	Colombia	3.3				121	Malawi	2.4			
55	Turkey	3.3				122	Côte d'Ivoire	2.4			
56	Slovak Republic	3.3				123	Bangladesh	2.3			
57	Chile	3.3				124	Nepal	2.3			
58	Romania	3.3				125	Mozambique	2.3			
59	Moldova	3.3				126	Bosnia and Herzegovina	2.3			
60	Qatar	3.3				127	Nicaragua	2.3			
61	Tajikistan	3.2				128	Bolivia	2.2			
62	Burkina Faso	3.2				129	Paraguay	2.2			
63	Philippines	3.2				130	Ghana	2.2			
64	Thailand	3.2				131	Libya	2.2			
65	Guatemala	3.1				132	Zimbabwe	2.1			
66	Jordan	3.1				133	Algeria	2.1			
67	Mexico	3.1				134	Albania	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 12.02 Quality of scientific research institutions

Scientific research institutions in your country (e.g., university laboratories, government laboratories) are (1 = nonexistent, 7 = the best in their fields internationally)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 4.0	7
1	United States	6.3			
2	Switzerland	6.2			
3	Israel	5.9			
4	Canada	5.8			
5	Belgium	5.8			
6	Germany	5.8			
7	United Kingdom	5.7			
8	Australia	5.7			
9	Finland	5.7			
10	Netherlands	5.7			
11	Sweden	5.7			
12	Denmark	5.6			
13	Singapore	5.6			
14	Korea, Rep.	5.5			
15	Japan	5.4			
16	France	5.4			
17	Ireland	5.3			
18	Austria	5.3			
19	New Zealand	5.1			
20	Malaysia	5.1			
21	Taiwan, China	5.1			
22	Norway	5.0			
23	Iceland	5.0			
24	Hungary	5.0			
25	Estonia	4.9			
26	Czech Republic	4.9			
27	India	4.8			
28	Slovenia	4.8			
29	Hong Kong SAR	4.7			
30	Qatar	4.7			
31	South Africa	4.7			
32	Kenya	4.7			
33	Portugal	4.6			
34	Costa Rica	4.6			
35	Puerto Rico	4.5			
36	Sri Lanka	4.4			
37	China	4.4			
38	Jamaica	4.4			
39	Indonesia	4.4			
40	Azerbaijan	4.4			
41	Uganda	4.3			
42	Tunisia	4.3			
43	Brazil	4.3			
44	Barbados	4.3			
45	Russian Federation	4.3			
46	Lithuania	4.3			
47	Saudi Arabia	4.3			
48	Ukraine	4.2			
49	Serbia	4.2			
50	Croatia	4.1			
51	Jordan	4.1			
52	Turkey	4.1			
53	Luxembourg	4.1			
54	Kuwait	4.1			
55	Spain	4.1			
56	Poland	4.1			
57	Thailand	4.0			
58	Kazakhstan	4.0			
59	Oman	4.0			
60	Tanzania	4.0			
61	Mauritius	4.0			
62	Chile	3.9			
63	Cyprus	3.9			
64	Senegal	3.9			
65	Malawi	3.9			
66	Botswana	3.9			
67	Malta	3.8			
68	Tajikistan	3.8			
69	Trinidad and Tobago	3.8			
70	Ghana	3.8			
71	Gambia, The	3.8			
72	Zambia	3.8			
73	Greece	3.8			
74	United Arab Emirates	3.7			
75	Bulgaria	3.7			
76	Burkina Faso	3.7			
77	Colombia	3.7			
78	Mali	3.7			
79	Mexico	3.7			
80	Pakistan	3.7			
81	Slovak Republic	3.7			
82	Libya	3.6			
83	Nigeria	3.6			
84	Romania	3.6			
85	Vietnam	3.6			
86	Philippines	3.6			
87	Panama	3.6			
88	Latvia	3.6			
89	Syria	3.6			
90	Argentina	3.6			
91	Uruguay	3.5			
92	Montenegro	3.5			
93	Brunei Darussalam	3.5			
94	Morocco	3.5			
95	Macedonia, FYR	3.5			
96	Egypt	3.4			
97	Benin	3.4			
98	Zimbabwe	3.4			
99	Italy	3.4			
100	Bahrain	3.4			
101	Armenia	3.4			
102	Ethiopia	3.3			
103	Guatemala	3.3			
104	Côte d'Ivoire	3.3			
105	Burundi	3.3			
106	Venezuela	3.2			
107	Bangladesh	3.2			
108	Algeria	3.2			
109	Namibia	3.2			
110	Mongolia	3.2			
111	Suriname	3.2			
112	Nepal	3.1			
113	Georgia	3.1			
114	Mozambique	3.1			
115	Guyana	3.1			
116	Cameroon	3.1			
117	Lesotho	3.0			
118	Madagascar	3.0			
119	Moldova	3.0			
120	Cambodia	3.0			
121	Peru	2.9			
122	Honduras	2.9			
123	Kyrgyz Republic	2.9			
124	Dominican Republic	2.9			
125	Nicaragua	2.7			
126	Chad	2.7			
127	El Salvador	2.7			
128	Bosnia and Herzegovina	2.7			
129	Ecuador	2.6			
130	Bolivia	2.5			
131	Mauritania	2.5			
132	Timor-Leste	2.3			
133	Albania	2.2			
134	Paraguay	2.1			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 12.03 Company spending on R&D

Companies in your country (1 = do not spend money on research and development, 7 = spend heavily on research and development relative to international peers)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.4	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.4	7
1	Switzerland	6.0				68	Senegal	3.0			
2	Japan	5.8				69	Morocco	3.0			
3	United States	5.8				70	Mauritius	3.0			
4	Sweden	5.8				71	Mexico	3.0			
5	Germany	5.8				72	Latvia	3.0			
6	Denmark	5.6				73	Turkey	3.0			
7	Korea, Rep.	5.4				74	Romania	3.0			
8	Israel	5.4				75	Cambodia	3.0			
9	Finland	5.3				76	Montenegro	3.0			
10	Singapore	5.1				77	Madagascar	3.0			
11	Netherlands	5.0				78	Namibia	2.9			
12	United Kingdom	5.0				79	Jordan	2.9			
13	France	5.0				80	Peru	2.9			
14	Belgium	4.9				81	Argentina	2.9			
15	Austria	4.8				82	Bahrain	2.9			
16	Taiwan, China	4.8				83	Hungary	2.9			
17	Iceland	4.6				84	Trinidad and Tobago	2.9			
18	Malaysia	4.6				85	Greece	2.8			
19	Norway	4.6				86	Pakistan	2.8			
20	Ireland	4.6				87	Uruguay	2.8			
21	Luxembourg	4.4				88	Zimbabwe	2.8			
22	Canada	4.4				89	Suriname	2.8			
23	Australia	4.3				90	Guyana	2.8			
24	China	4.2				91	Benin	2.8			
25	Hong Kong SAR	4.2				92	Brunei Darussalam	2.8			
26	Czech Republic	4.0				93	Kuwait	2.8			
27	Slovenia	4.0				94	Honduras	2.8			
28	South Africa	4.0				95	Botswana	2.7			
29	India	3.9				96	Armenia	2.7			
30	Costa Rica	3.9				97	Serbia	2.7			
31	Brazil	3.9				98	Macedonia, FYR	2.7			
32	Sri Lanka	3.9				99	Zambia	2.7			
33	Nigeria	3.8				100	Dominican Republic	2.7			
34	Indonesia	3.8				101	Bulgaria	2.7			
35	Qatar	3.8				102	Malawi	2.7			
36	New Zealand	3.7				103	Mali	2.7			
37	Kenya	3.7				104	Cameroon	2.6			
38	Tunisia	3.7				105	Mongolia	2.6			
39	Spain	3.7				106	Venezuela	2.6			
40	Estonia	3.6				107	Tajikistan	2.6			
41	Puerto Rico	3.6				108	Moldova	2.6			
42	Vietnam	3.6				109	Burundi	2.6			
43	Saudi Arabia	3.6				110	Burkina Faso	2.6			
44	Oman	3.5				111	Uganda	2.6			
45	Croatia	3.5				112	Gambia, The	2.6			
46	Russian Federation	3.4				113	Côte d'Ivoire	2.6			
47	Philippines	3.4				114	Tanzania	2.6			
48	Lithuania	3.4				115	Syria	2.6			
49	Cyprus	3.4				116	Algeria	2.6			
50	United Arab Emirates	3.4				117	El Salvador	2.5			
51	Italy	3.3				118	Kyrgyz Republic	2.5			
52	Ukraine	3.3				119	Bosnia and Herzegovina	2.5			
53	Portugal	3.3				120	Timor-Leste	2.5			
54	Thailand	3.3				121	Georgia	2.5			
55	Slovak Republic	3.3				122	Mauritania	2.5			
56	Lesotho	3.3				123	Mozambique	2.4			
57	Egypt	3.3				124	Libya	2.4			
58	Jamaica	3.2				125	Ecuador	2.3			
59	Barbados	3.2				126	Nepal	2.3			
60	Guatemala	3.2				127	Bangladesh	2.3			
61	Malta	3.2				128	Ethiopia	2.3			
62	Kazakhstan	3.2				129	Chad	2.2			
63	Panama	3.2				130	Bolivia	2.2			
64	Chile	3.1				131	Paraguay	2.2			
65	Poland	3.1				132	Nicaragua	2.2			
66	Colombia	3.1				133	Albania	2.1			
67	Azerbaijan	3.0				134	Ghana	2.1			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 12.04 University-industry research collaboration

In the area of R&D, collaboration between the business community and local universities is (1 = minimal or nonexistent, 7 = intensive and ongoing)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 12.05 Government procurement of advanced technology products

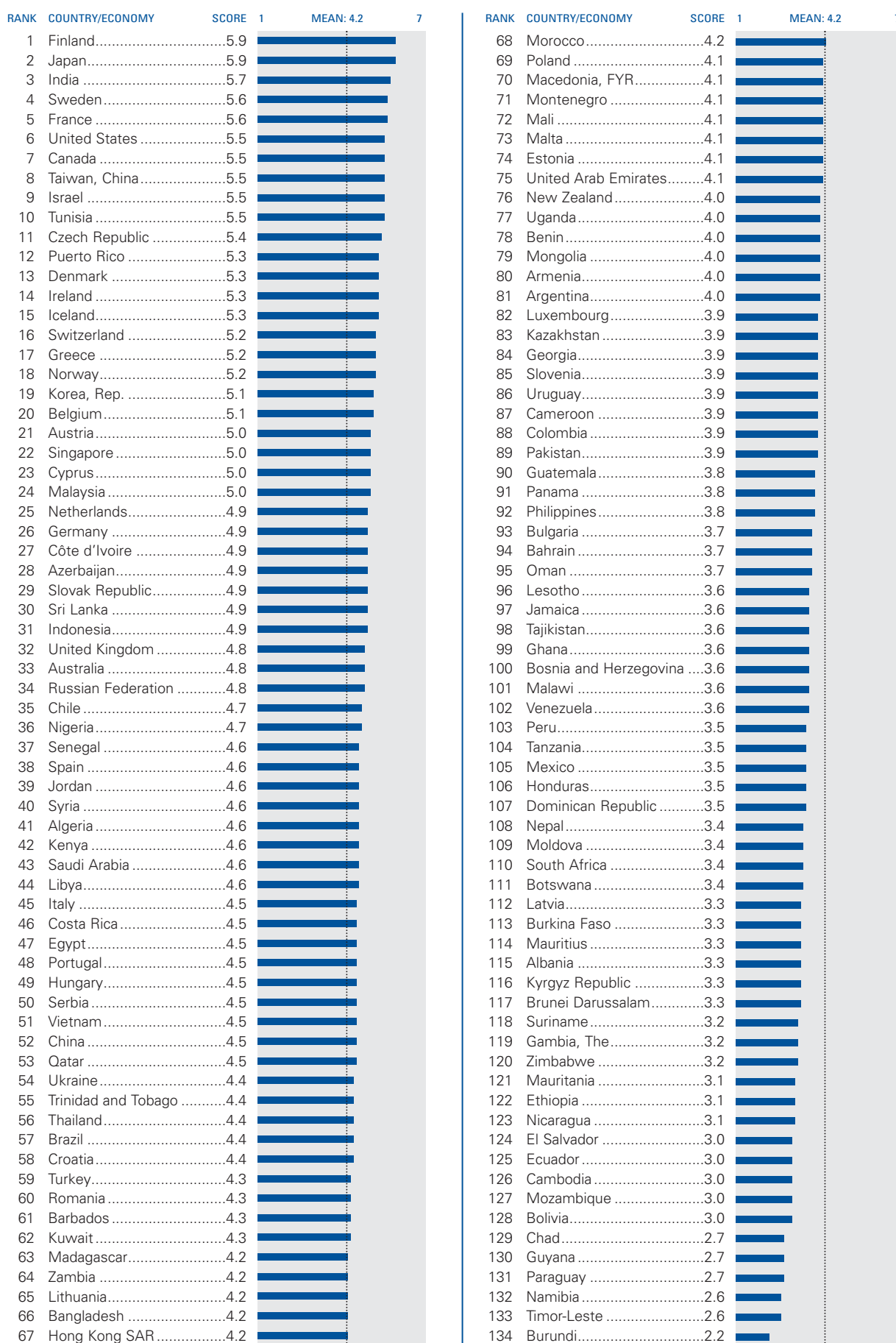
In your country, government procurement decisions result in technological innovation (1 = strongly disagree, 7 = strongly agree)

RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.6	7	RANK	COUNTRY/ECONOMY	SCORE	1	MEAN: 3.6	7
1	Singapore	5.5				68	Guatemala	3.5			
2	Korea, Rep.	5.1				69	Croatia	3.5			
3	Tunisia	5.1				70	Mongolia	3.5			
4	United States	4.9				71	Ethiopia	3.5			
5	Israel	4.8				72	Dominican Republic	3.5			
6	Malaysia	4.7				73	Romania	3.5			
7	Finland	4.7				74	Mauritius	3.5			
8	Sweden	4.7				75	Puerto Rico	3.5			
9	Qatar	4.6				76	Mauritania	3.5			
10	Denmark	4.5				77	Honduras	3.4			
11	United Arab Emirates	4.5				78	Uruguay	3.4			
12	Taiwan, China	4.5				79	Burundi	3.4			
13	Iceland	4.4				80	Côte d'Ivoire	3.4			
14	Luxembourg	4.4				81	Lesotho	3.4			
15	Saudi Arabia	4.3				82	Bulgaria	3.4			
16	Norway	4.3				83	Lithuania	3.4			
17	Hong Kong SAR	4.3				84	Brazil	3.4			
18	Estonia	4.3				85	Cambodia	3.4			
19	France	4.3				86	Uganda	3.4			
20	China	4.2				87	Indonesia	3.4			
21	Vietnam	4.2				88	India	3.4			
22	Oman	4.2				89	Slovenia	3.4			
23	Azerbaijan	4.2				90	Syria	3.4			
24	Senegal	4.2				91	Pakistan	3.4			
25	Mali	4.2				92	Serbia	3.3			
26	Switzerland	4.1				93	Georgia	3.3			
27	Bahrain	4.1				94	Mozambique	3.3			
28	Madagascar	4.1				95	El Salvador	3.3			
29	Canada	4.1				96	Libya	3.3			
30	Australia	4.1				97	Slovak Republic	3.2			
31	Portugal	4.0				98	Kuwait	3.2			
32	United Kingdom	4.0				99	Cameroon	3.2			
33	Jordan	4.0				100	Latvia	3.2			
34	Germany	4.0				101	Chad	3.2			
35	Czech Republic	4.0				102	Jamaica	3.2			
36	Cyprus	4.0				103	Greece	3.2			
37	Netherlands	4.0				104	Mexico	3.2			
38	Costa Rica	4.0				105	Tanzania	3.2			
39	Gambia, The	4.0				106	Turkey	3.1			
40	Austria	4.0				107	Zambia	3.0			
41	Belgium	4.0				108	Nicaragua	3.0			
42	Japan	3.9				109	Timor-Leste	3.0			
43	Ireland	3.9				110	Philippines	3.0			
44	Malta	3.9				111	Macedonia, FYR	3.0			
45	Brunei Darussalam	3.9				112	Peru	3.0			
46	Colombia	3.9				113	Namibia	3.0			
47	Burkina Faso	3.9				114	Guyana	3.0			
48	Thailand	3.8				115	Ghana	2.9			
49	Benin	3.8				116	Hungary	2.9			
50	Botswana	3.8				117	Italy	2.9			
51	Sri Lanka	3.8				118	Algeria	2.9			
52	Panama	3.8				119	Albania	2.9			
53	Chile	3.7				120	Nepal	2.8			
54	Ukraine	3.7				121	Trinidad and Tobago	2.8			
55	Spain	3.7				122	Armenia	2.7			
56	Kenya	3.7				123	Argentina	2.7			
57	Egypt	3.7				124	Venezuela	2.7			
58	Morocco	3.7				125	Nigeria	2.7			
59	Kazakhstan	3.7				126	Ecuador	2.6			
60	Malawi	3.7				127	Kyrgyz Republic	2.6			
61	Tajikistan	3.7				128	Suriname	2.5			
62	Poland	3.7				129	Bangladesh	2.5			
63	South Africa	3.6				130	Moldova	2.4			
64	New Zealand	3.6				131	Bosnia and Herzegovina	2.4			
65	Barbados	3.6				132	Paraguay	2.4			
66	Russian Federation	3.6				133	Zimbabwe	2.3			
67	Montenegro	3.5				134	Bolivia	2.0			

SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008

## 12.06 Availability of scientists and engineers

Scientists and engineers in your country are (1 = nonexistent or rare, 7 = widely available)



SOURCE: World Economic Forum, Executive Opinion Survey 2007, 2008



## 12.07 Utility patents (hard data)

Number of utility patents (i.e., patents for invention) granted between January 1 and December 31, 2007, per million population | 2007

RANK	COUNTRY/ECONOMY	HARD DATA	RANK	COUNTRY/ECONOMY	HARD DATA
1	Taiwan, China	270.4	68	Philippines	0.2
2	United States	261.7	69	Thailand	0.2
3	Japan	260.0	70	Egypt	0.2
4	Finland	160.4	71	Sri Lanka	0.1
5	Israel	158.1	72	Kazakhstan	0.1
6	Switzerland	141.8	73	Honduras	0.1
7	Korea, Rep.	130.9	74	Benin	0.1
8	Sweden	116.6	75	Dominican Republic	0.1
9	Germany	109.4	76	Zimbabwe	0.1
10	Canada	100.9	77	Peru	0.1
11	Singapore	89.3	78	Colombia	0.1
12	Luxembourg	79.3	79	Cameroon	0.1
13	Netherlands	76.2	80	Syria	0.1
14	Denmark	70.5	81	Ghana	0.0
15	Australia	61.5	82	Morocco	0.0
16	Iceland	60.9	83	Kenya	0.0
17	Austria	55.6	84	Indonesia	0.0
18	United Kingdom	54.9	85	Ethiopia	0.0
19	Norway	52.6	86	Bangladesh	0.0
20	France	51.4	87	Pakistan	0.0
21	Belgium	49.5	88	Albania	0.0
22	Hong Kong SAR	46.9	88	Algeria	0.0
23	Ireland	34.0	88	Bahrain	0.0
24	New Zealand	27.6	88	Bolivia	0.0
25	Italy	22.4	88	Bosnia and Herzegovina	0.0
26	Slovenia	8.0	88	Botswana	0.0
27	Puerto Rico	7.0	88	Brunei Darussalam	0.0
28	Spain	6.1	88	Burkina Faso	0.0
29	Malaysia	6.0	88	Burundi	0.0
30	Estonia	5.4	88	Cambodia	0.0
31	Hungary	4.7	88	Chad	0.0
32	Cyprus	3.8	88	Côte d'Ivoire	0.0
33	Barbados	3.6	88	El Salvador	0.0
34	Czech Republic	3.6	88	Gambia, The	0.0
35	Croatia	3.3	88	Guatemala	0.0
36	Malta	2.4	88	Guyana	0.0
37	Kuwait	2.1	88	Kyrgyz Republic	0.0
38	Greece	1.8	88	Lesotho	0.0
39	South Africa	1.7	88	Libya	0.0
40	Chile	1.5	88	Macedonia, FYR	0.0
41	Russian Federation	1.3	88	Madagascar	0.0
42	Portugal	1.2	88	Malawi	0.0
43	Lithuania	1.2	88	Mali	0.0
44	Georgia	1.1	88	Mauritania	0.0
45	Argentina	0.9	88	Mauritius	0.0
46	Slovak Republic	0.9	88	Moldova	0.0
47	Uruguay	0.9	88	Mongolia	0.0
48	Poland	0.8	88	Montenegro	0.0
49	Serbia	0.8	88	Mozambique	0.0
50	Bulgaria	0.8	88	Namibia	0.0
51	Saudi Arabia	0.8	88	Nepal	0.0
52	Trinidad and Tobago	0.8	88	Nicaragua	0.0
53	Costa Rica	0.7	88	Nigeria	0.0
54	China	0.6	88	Oman	0.0
55	Romania	0.5	88	Panama	0.0
56	Mexico	0.5	88	Paraguay	0.0
57	India	0.5	88	Qatar	0.0
58	Brazil	0.5	88	Senegal	0.0
59	Latvia	0.4	88	Suriname	0.0
60	Venezuela	0.4	88	Tajikistan	0.0
61	Jamaica	0.4	88	Tanzania	0.0
62	Ecuador	0.4	88	Timor-Leste	0.0
63	Armenia	0.3	88	Tunisia	0.0
63	Jordan	0.3	88	Uganda	0.0
65	Ukraine	0.3	88	United Arab Emirates	0.0
66	Turkey	0.3	88	Vietnam	0.0
67	Azerbaijan	0.2	88	Zambia	0.0

SOURCE: The United States Patent and Trademark Office (June 2008)

# Technical Notes and Sources

The following section complements the Data Tables by providing additional information and definitions for the hard data indicators that enter the composition of the Global Competitiveness Index 2008–2009. In the following pages, 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.

The data used in this *Report* represent the best available estimates from various international agencies, private sources, and national authorities at the time the *Report* was prepared. It is possible that some data will have been updated or revised after publication.

## Basic indicators

### 0.01 GDP valued at current prices (hard data)

[Gross domestic product \(current prices\) in millions of US dollars | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); national sources

### 0.02 Population (hard data)

[Population in millions | 2007](#)

Source: UNFPA, *State of World Population 2007*; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); national sources

### 0.03 GDP (current prices) per capita (hard data)

[Gross domestic product \(current prices\) per capita in US dollars | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); European Bank for Reconstruction and Development; national sources

## Section II: Infrastructure

### 2.06 Available seat kilometers (hard data)

[Scheduled available seat kilometers per week originating in country \(in millions\) | January 2008 and June 2008 average](#)

This variable measures an airline's passenger-carrying capacity; it is composed of the number of seats available on each flight originating in the country multiplied by the flight distance in kilometers. The resulting variable is an average of the total for all scheduled flights in a week during January (winter schedule) and June (summer schedule) 2008.

Source: International Air Transport Association, SRS Analyser

### 2.08 Telephone lines (hard data)

[Main telephone lines per 100 population | 2006](#)

A main telephone line is a telephone line connecting the subscriber's terminal equipment to the public switched telephone network and that has a dedicated port in the telephone exchange equipment.

Source: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

## Section III: Macroeconomic stability

### 3.01 Government surplus/deficit (hard data)

[Central government gross surplus/deficit as a percentage of GDP | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); IMF country reports; European Central Bank; European Bank for Reconstruction and Development; African Development Bank; Economist Intelligence Unit, *CountryData Database* (June 2008); national sources

### 3.02 National savings rate (hard data)

[National savings rate as a percentage of GDP | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (June 2008); The World Bank, *World Development Indicators 2008*; national sources

### 3.03 Inflation (hard data)

[Annual percent change in consumer price index | 2007 average](#)

Source: IMF, *World Economic Outlook Database* (April 2008); national sources

### 3.04 Interest rate spread (hard data)

[Average interest rate spread \(difference between typical lending and deposit rates\) | 2007](#)

This measures the difference between the typical short-term lending and deposit rates.

Source: IMF, *International Financial Statistics*; Economist Intelligence Unit, *CountryData Database* (June 2008); *World Development Indicators 2008*; national sources

### 3.05 Government debt (hard data)

[Government gross debt as a percentage of GDP | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); IMF country reports; OECD, *OECD Economic Outlook* no. 83 (June 2008); European Central Bank; European Bank for Reconstruction and Development; Economist Intelligence Unit, *CountryData Database* (June 2008); national sources

## Section IV: Health and primary education

### 4.02 Malaria incidence (hard data)

[Number of malaria cases per 100,000 population | 2003](#)

Source: World Health Organization, *Global Health Atlas* database (July 2008); World Health Organization Regional Offices; The World Bank, *World Development Indicators 2007*; UNDP, *Human Development Report 2006*; national sources

### 4.04 Tuberculosis incidence (hard data)

[Number of tuberculosis cases per 100,000 population | 2006](#)

Source: World Health Organization, *Global Atlas of Infectious Diseases* database (May 2008); national sources

**4.06 HIV prevalence (hard data)**

[HIV prevalence as a percentage of adults aged 15–49 years | 2007](#)

Source: UNAIDS, *2008 Report on the Global AIDS Epidemic*; UNDP, *Human Development Report 2006*; national sources

**4.07 Infant mortality (hard data)**

[Infant \(children aged 0–12 months\) mortality per 1,000 live births | 2005](#)

Source: World Health Organization, *WHO Statistical Information System (WHOSIS)* (May 2008); national sources

**4.08 Life expectancy (hard data)**

[Life expectancy at birth \(years\) | 2006](#)

Source: World Health Organization, *WHO Statistical Information System (WHOSIS)* (May 2008); UNDP, *Human Development Report 2007/2008* online database (May 2008); national sources

**4.10 Primary enrollment (hard data)**

[Net primary education enrollment rate | 2006](#)

According to the World Bank's *World Development Indicators*, this 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 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.

Source: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

**4.11 Education expenditure (hard data)**

[Adjusted savings: Education expenditure as percentage of GNI | 2006](#)

Current operating expenditures in education, including wages and salaries and excluding capital investments in buildings and equipment.

Source: The World Bank, *World Development Indicators 2008*; national sources

**Section V: Higher education and training**

**5.01 Secondary enrollment (hard data)**

[Gross secondary education enrollment rate | 2006](#)

According to the World Bank's *World Development Indicators*, this corresponds to the ratio of total enrollment, regardless of age, to the population of the age group that officially corresponds to the secondary education level. Secondary education completes the provision of basic education that began at the primary level, and aims at laying the foundations for lifelong learning and human development, by offering more subject- or skill-oriented instruction using more specialized teachers.

Source: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

**5.02 Tertiary enrollment (hard data)**

[Gross tertiary education enrollment rate | 2006](#)

According to the World Bank's *World Development Indicators*, this corresponds to the ratio of total enrollment, regardless of age, to the population of the age group that officially corresponds to the tertiary education level. Tertiary education, 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.

Source: UNESCO Institute for Statistics (June 2008); The World Bank, *World Development Indicators 2008*; national sources

**Section VI: Goods market efficiency**

**6.05 Total tax rate (hard data)**

[This variable is a combination of profit tax \(% of profits\), labor tax and contribution \(% of profits\), and other taxes \(% of profits\) | 2007](#)

Source: The World Bank, *Doing Business 2008*

**6.06 Number of procedures required to start a business (hard data)**

[Number of procedures required to start a business | 2007](#)

Source: The World Bank, *Doing Business 2008*

**6.07 Time required to start a business (hard data)**

[Number of days required to start a business | 2007](#)

Source: The World Bank, *Doing Business 2008*

**6.10 Trade-weighted tariff rate (hard data)**

[The average rate of duty per imported value unit | 2007](#)

This variable measures the average rate of duty per imported value unit weighted by 2006 imports value.

Source: International Trade Centre

**Section VII: Labor market efficiency**

**7.03 Non-wage labor costs (hard data)**

[This variable estimates social security payments and payroll taxes associated with hiring an employee in fiscal year 2006, expressed as a percentage of the worker's salary | 2007](#)

Social security payments include retirement fund, sickness, maternity and health insurance, workplace injury, family allowance, and other obligatory contributions.

Source: The World Bank, *Doing Business 2008*

**7.04 Rigidity of employment (hard data)**

[Rigidity of Employment Index on a 0–100 \(worst\) scale | 2007](#)

This index is the average of three subindexes: Difficulty of hiring, Rigidity of hours, and Difficulty of firing. The three subindexes have several components and all take values between 0 and 100, with higher values indicating more rigid regulation.

Source: The World Bank, *Doing Business 2008*

**7.06 Firing costs (hard data)**

[Firing costs \(in weeks of wages\) | 2007](#)

This variable estimates the cost of advance notice requirements, severance payments, and penalties due when terminating a redundant worker, expressed in weekly wages.

Source: The World Bank, *Doing Business 2008*

**7.10 Female participation in labor force (hard data)**

[Female participation in the labor force as a percentage of male participation | 2006](#)

This measure is the percentage of women aged 14–65 participating in the labor force divided by the percentage of men aged 14–65 participating in the labor force.

Source: International Labour Organization, *Key Indicators of the Labour Market (KILM) 5th Edition* (2006)

## Section VIII: Financial market sophistication

### 8.06 Strength of investor protection (hard data)

[Strength of Investor Protection Index on a 0–10 \(best\) scale | 2007](#)

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).

Source: The World Bank, *Doing Business 2008*

### 8.09 Legal rights index (hard data)

[Strength of legal rights index on a 0–10 \(best\) scale | 2007](#)

This index measures the degree to which collateral and bankruptcy laws protect borrowers and lenders' rights and thus facilitate lending.

Source: The World Bank, *Doing Business 2008*

## Section IX: Technological readiness

### 9.05 Mobile telephone subscribers (hard data)

[Mobile telephone subscribers per 100 population | 2006](#)

The term *subscribers* refers to users of mobile telephones subscribing to an automatic public mobile telephone service that provides access to the public switched telephone network using cellular technology. This can include analogue and digital cellular systems but should not include non-cellular systems. Subscribers to fixed wireless, public mobile data services, or radio paging services are not included.

Source: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

### 9.06 Internet users (hard data)

[Internet users per 100 population | 2006](#)

*Internet users* are people with access to the worldwide network.

Source: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

### 9.07 Personal computers (hard data)

[Personal computers per 100 population | 2006](#)

According to the World Bank, *personal computers* are self-contained computers designed to be used by a single individual.

Source: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

### 9.08 Broadband Internet subscribers (hard data)

[Broadband internet subscribers per 100 population | 2006](#)

The International Telecommunication Union considers broadband to be any dedicated connection to the Internet of 256 kilobits per second or faster, in both directions. *Broadband subscribers* refers to the sum of DSL, cable modem, and other broadband (for example, fiber optic, fixed wireless, apartment LANs, satellite connections) subscribers.

Source: International Telecommunication Union, *World Telecommunication Indicators* (June 2008 update); national sources

## Section X: Market size

### 10.01 Domestic market size index (hard data)

[Sum of gross domestic product plus value of imports of goods and services, minus the value of exports of goods and services, normalized on a 1–7 \(best\) scale | 2007](#)

The size of the domestic market is estimated 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' calculations; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2008*; national sources

### 10.02 Foreign market size index (hard data)

[Value of exports of goods and services, normalized on a 1–7 \(best\) scale | 2007](#)

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 is obtained by taking the product of exports as a percentage of GDP and GDP valued at PPP.

Source: Authors' calculations; IMF, *World Economic Outlook Database* (April 2008); Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2008*; national sources

### 10.03 GDP valued at PPP (hard data)

[Gross domestic product valued at purchasing power parity in millions of international dollars | 2007](#)

Source: IMF, *World Economic Outlook Database* (April 2008); national sources

### 10.04 Imports as a percentage of GDP (hard data)

[Imports of goods and services as a percentage of GDP | 2007](#)

Source: Economist Intelligence Unit, *CountryData Database* (May 2008); The World Bank, *World Development Indicators 2007*; national sources

### 10.05 Exports as a percentage of GDP (hard data)

[Exports of goods and services as a percentage of GDP | 2007](#)

Source: Economist Intelligence Unit, *CountryData Database* (May 2007); The World Bank, *World Development Indicators 2007*; The World Bank, *World Development Indicators 2008*; national sources

## Section XII: Innovation

### 12.07 Utility patents (hard data)

[Number of utility patents \(i.e., patents for invention\) granted between January 1 and December 31, 2007, per million population | 2007](#)

Utility patents are recorded such that the origin of the patent is determined by the first-named inventor at the time of the grant. Patents per million population are calculated by dividing the number of patents granted to a country in 2006 by that country's population in the same year.

Source: The United States Patent and Trademark Office (June 2008)



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