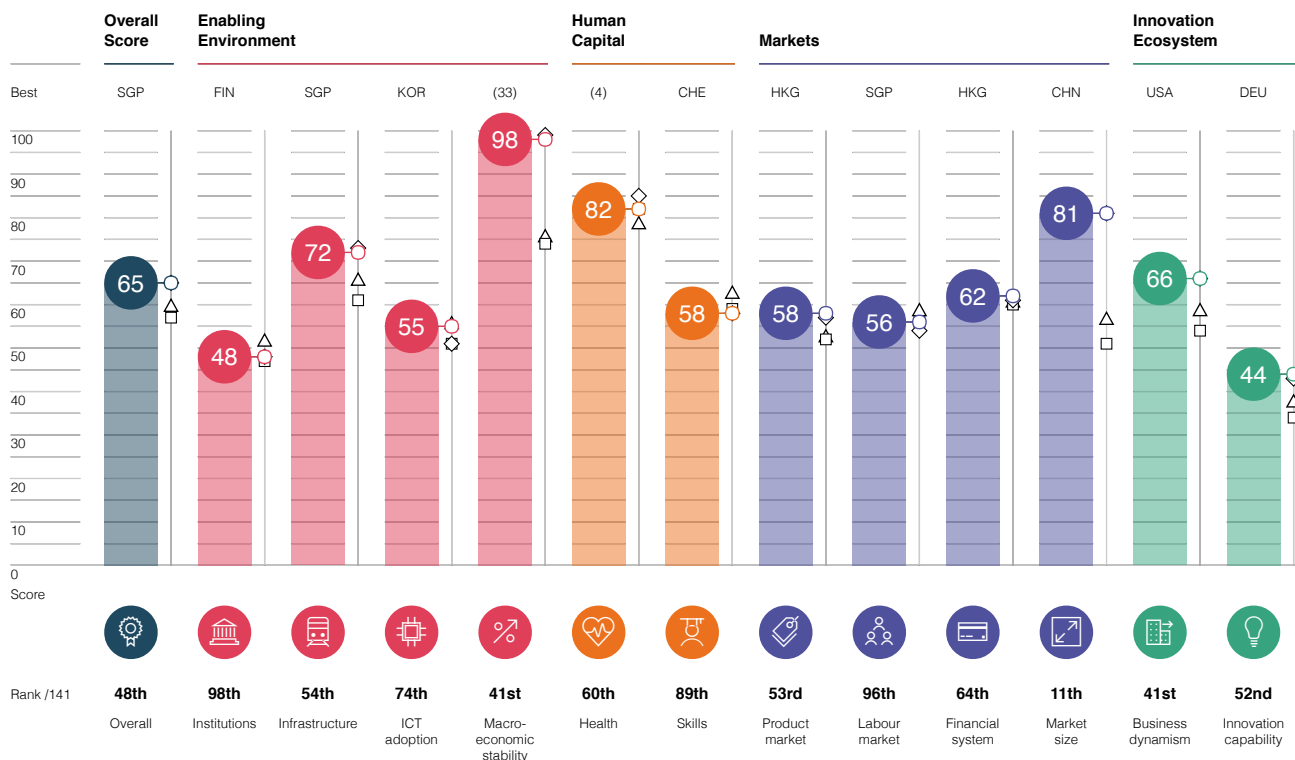


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 46th/140

**Performance Key** ◇ Previous edition ▲ Upper-middle-income group average □ Latin America and the Caribbean average  
**Overview 2019**





## Selected contextual indicators

Population millions	124.7	GDP (PPP) % world GDP	1.90
GDP per capita US\$	9,807.4	5-year average FDI inward flow % GDP	2.7
10-year average annual GDP growth %	2.6		

## Social and environmental performance

Environmental footprint gha/capita	2.1	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	9.2	Income Gini 0 (perfect equality) -100 (perfect inequality)	48.3
Unemployment rate %	3.3		

Index Component	Value	Score *	Rank/141	Best Performer
 <b>1st pillar: Institutions</b> 0–100	-	<b>48.3</b> ↑	<b>98</b>	<b>Finland</b>
<b>Security</b> 0–100	-	<b>40.1</b> ↓	<b>138</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	2.2	20.1 ↓	140	Finland
1.02 Homicide rate per 100,000 pop.	24.8	17.6 ↓	129	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	98.1	98.1 =	103	Multiple (25)
1.04 Reliability of police services 1–7 (best)	2.5	24.7 ↑	139	Finland
<b>Social capital</b> 0–100	-	<b>44.7</b> ↓	<b>121</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	44.7	44.7 ↓	112	New Zealand
<b>Checks and balances</b> 0–100	-	<b>49.3</b> ↓	<b>66</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	79	79.0	6	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.0	33.2 ↑	103	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.9	32.0 ↑	98	Finland
1.09 Freedom of the press 0–100 (worst)	46.8	53.2 ↑	118	Norway
<b>Public-sector performance</b> 0–100	-	<b>52.9</b> ↑	<b>59</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	2.9	31.1 ↑	116	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.0	33.1 ↑	112	Singapore
1.12 E-Participation 0–1 (best)	0.94	94.4 =	17	Multiple (3)
<b>Transparency</b> 0–100	-	<b>28.0</b> ↓	<b>116</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	28.0	28.0 ↓	116	Denmark
<b>Property rights</b> 0–100	-	<b>52.9</b> ↑	<b>74</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	4.1	51.9 ↑	86	Finland
1.15 Intellectual property protection 1–7 (best)	4.1	52.4 ↑	67	Finland
1.16 Quality of land administration 0–30 (best)	16.3	54.3 =	69	Multiple (5)
<b>Corporate governance</b> 0–100	-	<b>62.2</b> ↑	<b>60</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	5.2	69.5 ↑	43	Finland
1.18 Conflict of interest regulation 0–10 (best)	6.0	60.0 =	53	Kenya
1.19 Shareholder governance 0–10 (best)	5.7	57.0 =	75	Kazakhstan
<b>Future orientation of government</b> 0–100	-	<b>56.2</b>	<b>67</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	3.6	43.3	94	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.0	33.4	109	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.8	46.6	53	United States
1.23 Government long-term vision 1–7 (best)	3.0	32.9	114	Singapore
1.24 Energy efficiency regulation 0–100 (best)	68.6	68.6	30	Italy
1.25 Renewable energy regulation 0–100 (best)	68.7	68.7	30	Germany
1.26 Environment-related treaties in force count (out of 29)	24	82.8	36	Multiple (6)
 <b>2nd pillar: Infrastructure</b> 0–100	-	<b>72.4</b> ↓	<b>54</b>	<b>Singapore</b>
<b>Transport infrastructure</b> 0–100	-	<b>57.4</b> ↓	<b>51</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	90.3	90.3 ↓	22	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.5	58.4 ↑	49	Singapore
2.03 Railroad density km/1,000 km <sup>2</sup>	7.3	18.4 ↓	60	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.3	38.0 ↑	58	Japan
2.05 Airport connectivity score	497,154.0	92.4 =	15	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.4	57.4 ↓	80	Singapore
2.07 Liner shipping connectivity 0–100 (best)	49.1	49.1 ↑	34	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.3	55.2 ↑	63	Singapore
<b>Utility infrastructure</b> 0–100	-	<b>87.5</b> ↑	<b>63</b>	<b>Iceland</b>
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	12.5	91.2 ↑	81	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	6.8	95.1 ↓	48	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.8	63.7 ↑	72	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 <b>3rd pillar: ICT adoption</b> 0–100	-	<b>55.0</b> ↑	<b>74</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	93.0	77.5 ↑	112	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	70.0	N/Appl.	78	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	14.6	29.3 ↑	62	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	2.5	N/Appl.	50	Korea, Rep.
3.05 Internet users % of adult population	65.8	65.8 ↑	72	Qatar
 <b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>97.8</b> ↓	<b>41</b>	<b>Multiple (33)</b>
4.01 Inflation %	5.5	95.9 ↓	111	Multiple (88)
4.02 Debt dynamics 0–100 (best)	99.7	99.7 ↓	36	Multiple (34)
 <b>5th pillar: Health</b> 0–100	-	<b>82.0</b> ↓	<b>60</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	66.2	82.0 ↓	59	Multiple (4)
 <b>6th pillar: Skills</b> 0–100	-	<b>58.3</b> ↑	<b>89</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>53.8</b> ↓	<b>81</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	8.6	57.3 ↓	84	Germany
<b>Skills of current workforce</b> 0–100	-	<b>50.3</b> ↓	<b>79</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	3.8	47.0 ↑	86	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.2	53.9 ↑	62	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.1	51.5 ↓	70	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.8	46.0 ↓	99	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.2	53.0 ↓	69	United States
<b>Future workforce</b> 0–100	-	<b>62.7</b> ↑	<b>87</b>	<b>Denmark</b>
6.07 School life expectancy years	14.3	79.4 ↑	68	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>46.0</b> ↑	<b>102</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	3.0	33.3 ↑	103	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	26.6	58.6 ↑	98	Multiple (5)
 <b>7th pillar: Product market</b> 0–100	-	<b>57.7</b> ↑	<b>53</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>50.6</b> ↑	<b>83</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.4	40.2 ↑	102	Singapore
7.02 Extent of market dominance 1–7 (best)	3.6	43.3 ↑	88	Switzerland
7.03 Competition in services 1–7 (best)	5.1	68.4 ↑	59	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>64.8</b> ↓	<b>27</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.7	61.1 ↑	47	Singapore
7.05 Trade tariffs %	5.12	65.8 ↓	67	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.3	87.9 ↓	50	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.8	44.2 =	54	Germany
 <b>8th pillar: Labour market</b> 0–100	-	<b>55.8</b> ↑	<b>96</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>56.8</b> ↑	<b>76</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	22.0	62.5 =	103	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.4	40.5 ↑	107	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.5	59.1 ↑	60	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.2	70.0 ↑	50	Estonia
8.05 Active labour market policies 1–7 (best)	2.8	29.3 ↑	102	Switzerland
8.06 Workers' rights 0–100 (best)	71.0	71.0 ↑	70	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.4	56.7 ↑	48	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	65.7 ↓	32	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>54.8</b> ↑	<b>102</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	4.2	53.9 ↑	75	Finland
8.10 Pay and productivity 1–7 (best)	3.8	46.4 ↑	82	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.56	45.2 ↑	89	Multiple (4)
8.12 Labour tax rate %	26.9	73.8 ↓	116	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 <b>9th pillar: Financial system</b> 0–100	-	<b>61.8</b> ↑	<b>64</b>	<b>Hong Kong SAR</b>
<b>Depth</b> 0–100	-	<b>36.9</b> ↑	<b>73</b>	<b>United States</b>
9.01 Domestic credit to private sector % GDP	33.8	35.6 ↑	92	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.7	45.4 ↑	85	Finland
9.03 Venture capital availability 1–7 (best)	3.3	38.3 ↑	58	United States
9.04 Market capitalization % GDP	34.4	34.4 ↓	56	Multiple (15)
9.05 Insurance premium volume to GDP	1.8	30.6 ↓	62	Multiple (17)
<b>Stability</b> 0–100	-	<b>92.9</b> ↑	<b>30</b>	<b>Finland</b>
9.06 Soundness of banks 1–7 (best)	5.7	78.7 ↑	32	Finland
9.07 Non-performing loans % of gross total loans	2.1	96.8 ↑	35	Multiple (3)
9.08 Credit gap %	1.3	100.0 ↑	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.1	96.2 ↓	101	Multiple (74)
 <b>10th pillar: Market size</b> 0–100	-	<b>80.8</b> ↑	<b>11</b>	<b>China</b>
10.01 Gross domestic product PPP \$ billions	2,284	N/Appl.	11	China
10.02 Imports of goods and services % GDP	42.0	N/Appl.	74	Hong Kong SAR
 <b>11th pillar: Business dynamism</b> 0–100	-	<b>65.8</b> ↑	<b>41</b>	<b>United States</b>
<b>Administrative requirements</b> 0–100	-	<b>81.4</b> ↓	<b>34</b>	<b>United States</b>
11.01 Cost of starting a business % of GNI per capita	16.2	91.9 ↑	102	Multiple (2)
11.02 Time to start a business days	8.4	92.1 =	52	New Zealand
11.03 Insolvency recovery rate cents to the dollar	64.7	69.6 ↓	35	Japan
11.04 Insolvency regulatory framework 0–16 (best)	11.5	71.9 =	38	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	<b>50.3</b> ↑	<b>70</b>	<b>Israel</b>
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.1	51.0 ↑	65	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.4	57.1 ↑	66	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.0	50.0 ↓	81	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.6	43.0 ↑	77	Israel
 <b>12th pillar: Innovation capability</b> 0–100	-	<b>43.6</b> ↑	<b>52</b>	<b>Germany</b>
<b>Interaction and diversity</b> 0–100	-	<b>41.2</b> ↑	<b>62</b>	<b>Singapore</b>
12.01 Diversity of workforce 1–7 (best)	4.4	55.9 ↑	79	Singapore
12.02 State of cluster development 1–7 (best)	4.3	54.7 ↑	36	Italy
12.03 International co-inventions per million pop.	0.34	9.0 ↑	62	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.7	45.3 ↑	71	Israel
<b>Research and development</b> 0–100	-	<b>38.3</b> ↑	<b>45</b>	<b>Japan</b>
12.05 Scientific publications score	380.3	88.0 ↑	35	Multiple (9)
12.06 Patent applications per million pop.	1.84	19.2 ↑	59	Multiple (8)
12.07 R&D expenditures % GDP	0.5	16.2 ↓	64	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.11	29.8 ↑	22	Multiple (7)
<b>Commercialization</b> 0–100	-	<b>58.8</b> ↑	<b>58</b>	<b>Luxembourg</b>
12.09 Buyer sophistication 1–7 (best)	3.6	43.9 ↑	67	Korea, Rep.
12.10 Trademark applications per million pop.	950.38	73.8 ↑	52	Multiple (7)

\* Scores are on a 0 to 100 scale, where 100 represents the optimal situation or 'frontier'. Arrows indicate the direction of the change in score from the previous edition, if available.

Note: For detailed methodology, definitions, sources, and periods, visit <http://gcr.weforum.org/>