

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 69th/140

## Performance Overview 2019

Key ◇ Previous edition △ Upper-middle-income group average □ Eurasia average





## Selected contextual indicators

Population millions	9.9	GDP (PPP) % world GDP	0.13
GDP per capita US\$	4,569.2	5-year average FDI inward flow % GDP	7.1
10-year average annual GDP growth %	1.3		

## Social and environmental performance

Renewable energy consumption share %	2.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Unemployment rate %	5.2	Income Gini 0 (perfect equality) -100 (perfect inequality)	26.6

Index Component	Value	Score *	Rank/141	Best Performer
 <b>1st pillar: Institutions</b> 0–100	-	<b>58.5</b> ↑	<b>49</b>	<b>Finland</b>
<b>Security</b> 0–100	-	<b>87.6</b> ↑	<b>22</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	5.8	79.6 ↑	18	Finland
1.02 Homicide rate per 100,000 pop.	2.0	94.9 ↑	64	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.7	99.7 =	78	Multiple (25)
1.04 Reliability of police services 1–7 (best)	5.6	76.0 ↑	30	Finland
<b>Social capital</b> 0–100	-	<b>41.7</b> ↑	<b>133</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	41.7	41.7 ↑	124	New Zealand
<b>Checks and balances</b> 0–100	-	<b>49.1</b> ↑	<b>69</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	34	34.0	71	Multiple (2)
1.07 Judicial independence 1–7 (best)	4.6	60.7 ↑	39	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.7	61.0 ↑	13	Finland
1.09 Freedom of the press 0–100 (worst)	59.1	40.9 ↑	133	Norway
<b>Public-sector performance</b> 0–100	-	<b>66.8</b> ↑	<b>23</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	5.3	72.1 ↑	3	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	4.6	60.5 ↓	28	Singapore
1.12 E-Participation 0–1 (best)	0.68	68.0 =	76	Multiple (3)
<b>Transparency</b> 0–100	-	<b>25.0</b> ↓	<b>127</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	25.0	25.0 ↓	127	Denmark
<b>Property rights</b> 0–100	-	<b>65.6</b> ↑	<b>44</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	5.1	68.1 ↑	37	Finland
1.15 Intellectual property protection 1–7 (best)	5.2	70.4 ↑	30	Finland
1.16 Quality of land administration 0–30 (best)	17.5	58.3 ↑	59	Multiple (5)
<b>Corporate governance</b> 0–100	-	<b>76.6</b> ↑	<b>9</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	4.9	65.8 ↑	55	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.7	77.0 =	18	Kenya
1.19 Shareholder governance 0–10 (best)	8.7	87.0 ↑	2	Kazakhstan
<b>Future orientation of government</b> 0–100	-	<b>55.3</b>	<b>70</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	5.4	73.6	11	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.5	75.4	5	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.6	60.1	23	United States
1.23 Government long-term vision 1–7 (best)	5.3	72.1	10	Singapore
1.24 Energy efficiency regulation 0–100 (best)	27.5	27.5	87	Italy
1.25 Renewable energy regulation 0–100 (best)	31.3	31.3	94	Germany
1.26 Environment-related treaties in force count (out of 29)	18	62.1	119	Multiple (6)
 <b>2nd pillar: Infrastructure</b> 0–100	-	<b>77.4</b> ↑	<b>38</b>	<b>Singapore</b>
<b>Transport infrastructure</b> 0–100	-	<b>65.8</b> ↑	<b>31</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	69.1	69.1 ↑	88	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.2	69.4 ↑	27	Singapore
2.03 Railroad density km/1,000 km <sup>2</sup>	25.8	64.5 ↑	34	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	5.2	70.8 ↑	11	Japan
2.05 Airport connectivity score	23,795.6	41.9 =	79	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.8	79.3 ↓	12	Singapore
2.07 Liner shipping connectivity 0–100 (best)	n/a	n/a	n/a	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	5.1	68.6 ↑	25	Singapore
<b>Utility infrastructure</b> 0–100	-	<b>88.9</b> ↑	<b>56</b>	<b>Iceland</b>
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	9.8	94.0 ↑	59	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	10.3	91.5 ↓	60	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	5.2	70.1 ↑	58	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 <b>3rd pillar: ICT adoption</b> 0–100	-	<b>55.1</b> ↑	<b>73</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	103.9	86.6 ↑	93	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	59.6	N/Appl.	90	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	18.2	36.4 ↓	55	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.4	N/Appl.	64	Korea, Rep.
3.05 Internet users % of adult population	79.8	79.8 ↑	43	Qatar
 <b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>70.0</b> ↑	<b>103</b>	<b>Multiple (33)</b>
4.01 Inflation %	7.6	90.1 ↑	123	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 <b>5th pillar: Health</b> 0–100	-	<b>68.9</b> ↓	<b>98</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	62.0	68.9 ↓	97	Multiple (4)
 <b>6th pillar: Skills</b> 0–100	-	<b>69.8</b> ↑	<b>48</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>65.6</b> ↑	<b>37</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	10.5	69.9 ↑	50	Germany
<b>Skills of current workforce</b> 0–100	-	<b>61.3</b> ↑	<b>31</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	4.6	59.8 ↑	34	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.5	58.4 ↑	43	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.4	57.0 ↓	45	Switzerland
6.05 Digital skills among active population 1–7 (best)	5.1	68.2 ↓	19	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.8	63.2 ↑	29	United States
<b>Future workforce</b> 0–100	-	<b>73.9</b> ↑	<b>54</b>	<b>Denmark</b>
6.07 School life expectancy years	n/a	75.5 ↑	n/a	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>72.3</b> ↑	<b>27</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	4.5	58.3 ↑	20	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	15.5	86.4 ↑	51	Multiple (5)
 <b>7th pillar: Product market</b> 0–100	-	<b>64.3</b> ↑	<b>23</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>68.9</b> ↑	<b>10</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	5.4	72.8 ↑	3	Singapore
7.02 Extent of market dominance 1–7 (best)	4.7	62.0 ↑	19	Switzerland
7.03 Competition in services 1–7 (best)	5.3	72.0 ↑	36	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>59.7</b> ↓	<b>60</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.0	66.3 ↑	25	Singapore
7.05 Trade tariffs %	7.78	48.1 ↑	93	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.1	85.0 ↓	61	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.6	39.3 =	82	Germany
 <b>8th pillar: Labour market</b> 0–100	-	<b>69.4</b> ↑	<b>21</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>71.2</b> ↑	<b>5</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	13.7	79.8 ↑	57	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	5.3	72.5 ↑	4	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.3	71.9 ↑	17	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.9	81.8 ↑	7	Estonia
8.05 Active labour market policies 1–7 (best)	4.4	56.6 ↑	36	Switzerland
8.06 Workers' rights 0–100 (best)	n/a	71.5 ↑	n/a	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	5.5	75.0 ↑	3	Albania
8.08 Internal labour mobility 1–7 (best)	4.6	60.8 ↑	58	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>67.6</b> ↑	<b>48</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	4.8	63.9 ↑	38	Finland
8.10 Pay and productivity 1–7 (best)	5.0	67.4 ↑	9	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.70	62.6 ↑	74	Multiple (4)
8.12 Labour tax rate %	24.8	76.7 =	107	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 <b>9th pillar: Financial system</b> 0–100	-	<b>55.4</b> ↑	<b>96</b>	<b>Hong Kong SAR</b>
<b>Depth</b> 0–100	-	<b>32.0</b> ↑	<b>92</b>	<b>United States</b>
9.01 Domestic credit to private sector % GDP	31.2	32.8 ↓	97	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.7	61.0 ↑	24	Finland
9.03 Venture capital availability 1–7 (best)	4.1	52.0 ↑	24	United States
9.04 Market capitalization % GDP	4.5	4.5 ↑	110	Multiple (15)
9.05 Insurance premium volume to GDP	0.6	9.5 ↑	118	Multiple (17)
<b>Stability</b> 0–100	-	<b>84.7</b> ↑	<b>91</b>	<b>Finland</b>
9.06 Soundness of banks 1–7 (best)	4.9	65.6 ↑	77	Finland
9.07 Non-performing loans % of gross total loans	13.8	73.1 =	123	Multiple (3)
9.08 Credit gap %	-9.2	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	18.6	100.0 =	47	Multiple (74)
 <b>10th pillar: Market size</b> 0–100	-	<b>54.0</b> ↑	<b>67</b>	<b>China</b>
10.01 Gross domestic product PPP \$ billions	160	N/Appl.	69	China
10.02 Imports of goods and services % GDP	38.9	N/Appl.	83	Hong Kong SAR
 <b>11th pillar: Business dynamism</b> 0–100	-	<b>71.5</b> ↑	<b>23</b>	<b>United States</b>
<b>Administrative requirements</b> 0–100	-	<b>81.0</b> ↑	<b>36</b>	<b>United States</b>
11.01 Cost of starting a business % of GNI per capita	1.3	99.4 ↑	34	Multiple (2)
11.02 Time to start a business days	3.5	97.0 ↑	8	New Zealand
11.03 Insolvency recovery rate cents to the dollar	40.1	43.2 ↓	62	Japan
11.04 Insolvency regulatory framework 0–16 (best)	13.5	84.4 ↑	14	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	<b>62.1</b> ↑	<b>22</b>	<b>Israel</b>
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.8	63.2 ↑	13	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.9	64.4 ↑	33	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.8	64.1 ↑	21	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.4	56.6 ↑	18	Israel
 <b>12th pillar: Innovation capability</b> 0–100	-	<b>38.3</b> ↑	<b>68</b>	<b>Germany</b>
<b>Interaction and diversity</b> 0–100	-	<b>48.0</b> ↑	<b>38</b>	<b>Singapore</b>
12.01 Diversity of workforce 1–7 (best)	5.2	70.8 ↑	19	Singapore
12.02 State of cluster development 1–7 (best)	4.5	58.3 ↑	30	Italy
12.03 International co-inventions per million pop.	0.04	1.2 ↑	96	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.7	61.9 ↑	23	Israel
<b>Research and development</b> 0–100	-	<b>19.8</b> ↑	<b>111</b>	<b>Japan</b>
12.05 Scientific publications score	88.7	66.6 ↑	105	Multiple (9)
12.06 Patent applications per million pop.	0.28	4.6 ↑	83	Multiple (8)
12.07 R&D expenditures % GDP	0.2	6.2 ↓	94	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	1.7 ↑	78	Multiple (7)
<b>Commercialization</b> 0–100	-	<b>56.1</b> ↑	<b>68</b>	<b>Luxembourg</b>
12.09 Buyer sophistication 1–7 (best)	4.5	59.1 ↑	18	Korea, Rep.
12.10 Trademark applications per million pop.	138.01	53.1 ↑	103	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/>