

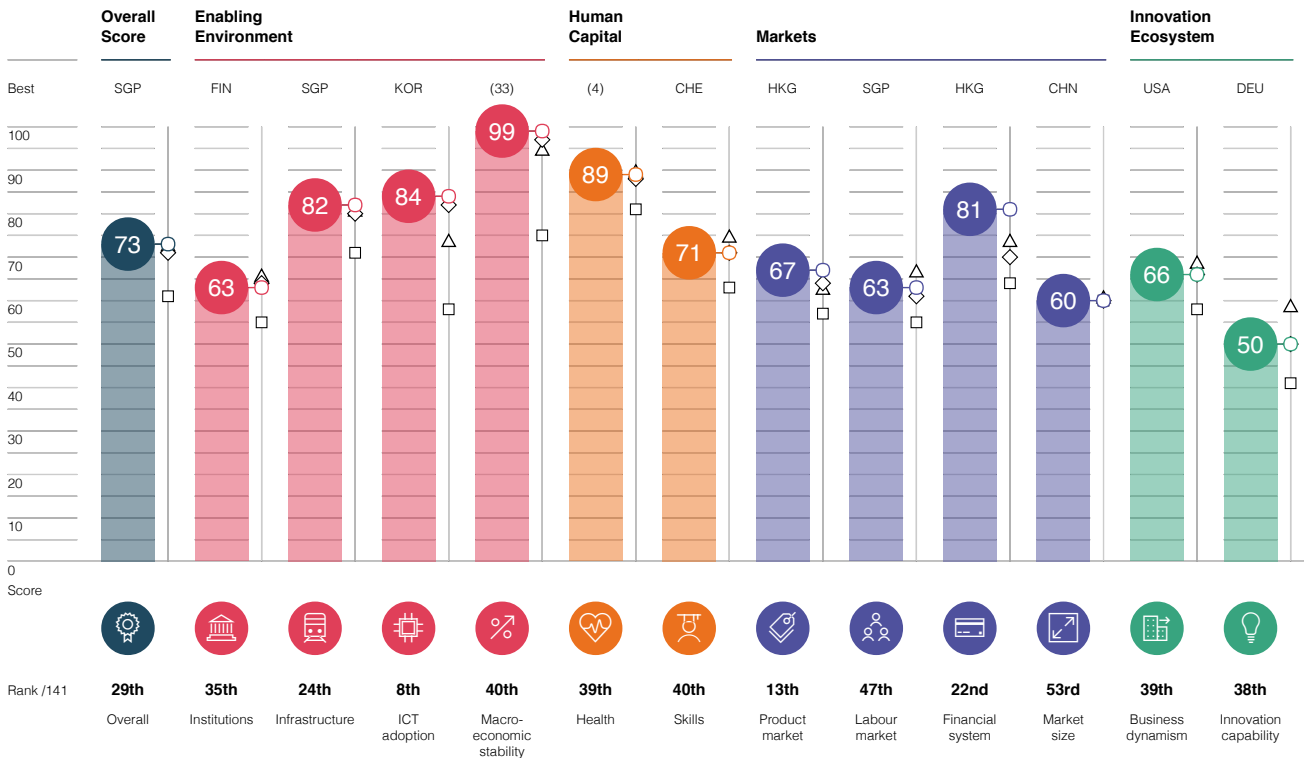
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 30th/140

## Performance Overview Key

◇ Previous edition   △ High-income group average   □ Middle East and North Africa average

### 2019





## Selected contextual indicators

Population millions	2.7	GDP (PPP) % world GDP	0.26
GDP per capita US\$	70,779.5	5-year average FDI inward flow % GDP	0.2
10-year average annual GDP growth %	5.1		

## Social and environmental performance

Renewable energy consumption share %	-	Global Gender Gap Index 0-1 (gender parity)	0.6
Unemployment rate %	0.1		

Index Component	Value	Score *	Rank/141	Best Performer
 <b>1st pillar: Institutions</b> 0–100	-	<b>63.2</b> ↓	<b>35</b>	<b>Finland</b>
<b>Security</b> 0–100	-	<b>89.4</b> ↓	<b>19</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	5.7	78.3 ↓	23	Finland
1.02 Homicide rate per 100,000 pop.	0.4	100.0 =	6	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	36	Multiple (25)
1.04 Reliability of police services 1–7 (best)	5.8	79.2 ↓	23	Finland
<b>Social capital</b> 0–100	-	<b>56.4</b> ↓	<b>33</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	56.4	56.4 ↓	30	New Zealand
<b>Checks and balances</b> 0–100	-	<b>49.3</b> ↓	<b>67</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	0	0.0	97	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.4	73.3 ↑	23	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	5.0	66.2 ↑	7	Finland
1.09 Freedom of the press 0–100 (worst)	42.5	57.5 ↓	105	Norway
<b>Public-sector performance</b> 0–100	-	<b>69.9</b> ↑	<b>17</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	5.0	66.1 ↑	6	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	5.3	72.3 ↑	8	Singapore
1.12 E-Participation 0–1 (best)	0.71	71.4 =	64	Multiple (3)
<b>Transparency</b> 0–100	-	<b>62.0</b> ↓	<b>31</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	62.0	62.0 ↓	31	Denmark
<b>Property rights</b> 0–100	-	<b>76.8</b> ↑	<b>18</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	5.4	74.1 ↑	26	Finland
1.15 Intellectual property protection 1–7 (best)	5.5	74.5 ↑	23	Finland
1.16 Quality of land administration 0–30 (best)	24.5	81.7 =	23	Multiple (5)
<b>Corporate governance</b> 0–100	-	<b>43.4</b> ↑	<b>121</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	5.4	73.2 ↓	33	Finland
1.18 Conflict of interest regulation 0–10 (best)	2.0	20.0 =	140	Kenya
1.19 Shareholder governance 0–10 (best)	3.7	37.0 ↑	112	Kazakhstan
<b>Future orientation of government</b> 0–100	-	<b>58.7</b>	<b>54</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	5.3	72.2	13	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.4	74.0	6	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.9	64.9	14	United States
1.23 Government long-term vision 1–7 (best)	5.6	76.2	8	Singapore
1.24 Energy efficiency regulation 0–100 (best)	39.9	39.9	68	Italy
1.25 Renewable energy regulation 0–100 (best)	27.9	27.9	101	Germany
1.26 Environment-related treaties in force count (out of 29)	20	69.0	95	Multiple (6)
 <b>2nd pillar: Infrastructure</b> 0–100	-	<b>81.6</b> ↑	<b>24</b>	<b>Singapore</b>
<b>Transport infrastructure</b> 0–100	-	<b>71.4</b> ↑	<b>19</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	92.0	92.0 ↑	18	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.5	75.0 ↓	16	Singapore
2.03 Railroad density km/1,000 km[2]	n/a	n/a	n/a	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	not assessed	n/a	n/a	Japan
2.05 Airport connectivity score	141,531.4	68.3 =	32	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.7	78.3 ↓	14	Singapore
2.07 Liner shipping connectivity 0–100 (best)	41.7	41.7 ↑	42	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	5.4	73.0 ↑	15	Singapore
<b>Utility infrastructure</b> 0–100	-	<b>91.9</b> ↓	<b>46</b>	<b>Iceland</b>
2.09 Electricity access % of population	100.0	100.0 ↑	69	Multiple (67)
2.10 Electricity supply quality % of output	6.0	97.9 ↓	32	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	10.4	91.4 ↓	61	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	5.7	78.2 ↓	46	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 <b>3rd pillar: ICT adoption</b> 0–100	-	<b>83.8</b> ↑	<b>8</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	141.9	100.0 =	19	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	125.9	N/Appl.	15	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	9.6	19.3 ↓	77	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	8.7	N/Appl.	29	Korea, Rep.
3.05 Internet users % of adult population	99.7	99.7 ↑	1	Qatar
 <b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>98.6</b> ↑	<b>40</b>	<b>Multiple (33)</b>
4.01 Inflation %	0.3	99.5 ↓	97	Multiple (88)
4.02 Debt dynamics 0–100 (best)	97.8	97.8 ↑	40	Multiple (34)
 <b>5th pillar: Health</b> 0–100	-	<b>88.6</b> ↑	<b>39</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	68.4	88.6 ↑	38	Multiple (4)
 <b>6th pillar: Skills</b> 0–100	-	<b>70.5</b> ↓	<b>40</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>66.8</b> ↑	<b>34</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	9.7	64.4 ↓	68	Germany
<b>Skills of current workforce</b> 0–100	-	<b>69.2</b> ↑	<b>11</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	4.9	64.8 ↑	21	Switzerland
6.03 Quality of vocational training 1–7 (best)	5.1	67.5 ↑	16	Switzerland
6.04 Skillset of graduates 1–7 (best)	5.3	70.9 ↑	8	Switzerland
6.05 Digital skills among active population 1–7 (best)	5.3	72.2 ↑	11	Finland
6.06 Ease of finding skilled employees 1–7 (best)	5.2	70.8 ↑	3	United States
<b>Future workforce</b> 0–100	-	<b>74.3</b> ↓	<b>52</b>	<b>Denmark</b>
6.07 School life expectancy years	11.9	66.1 ↓	91	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>82.4</b> ↓	<b>6</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	5.1	69.2 ↓	6	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	11.8	95.6 ↓	22	Multiple (5)
 <b>7th pillar: Product market</b> 0–100	-	<b>66.8</b> ↑	<b>13</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>67.5</b> ↑	<b>14</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	5.2	70.3 ↑	6	Singapore
7.02 Extent of market dominance 1–7 (best)	4.7	62.4 ↑	18	Switzerland
7.03 Competition in services 1–7 (best)	5.2	70.0 ↑	45	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>66.2</b> ↑	<b>19</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.0	66.3 ↓	26	Singapore
7.05 Trade tariffs %	5.60	62.7 ↓	74	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.1	85.7 ↓	59	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	3.0	50.0 =	39	Germany
 <b>8th pillar: Labour market</b> 0–100	-	<b>63.4</b> ↑	<b>47</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>59.9</b> ↑	<b>54</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	23.2	60.0 ↑	106	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	5.2	69.6 ↑	8	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.2	70.2 ↑	22	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.4	74.0 ↓	29	Estonia
8.05 Active labour market policies 1–7 (best)	5.1	67.6 ↑	10	Switzerland
8.06 Workers' rights 0–100 (best)	10.0	10.0	116	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	5.1	67.8 ↑	10	Albania
8.08 Internal labour mobility 1–7 (best)	Not applicable	Not applicable	n/a	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>66.9</b> ↑	<b>51</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	5.1	68.4 ↓	29	Finland
8.10 Pay and productivity 1–7 (best)	5.1	67.5 ↑	8	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.49	36.1 ↓	101	Multiple (4)
8.12 Labour tax rate %	11.3	95.4 =	36	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 <b>9th pillar: Financial system</b> 0–100	-	<b>81.3</b> ↑	<b>22</b>	<b>Hong Kong SAR</b>
<b>Depth</b> 0–100	-	<b>77.0</b> ↑	<b>18</b>	<b>United States</b>
9.01 Domestic credit to private sector % GDP	76.0	80.0 ↑	41	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	5.2	70.1 ↑	4	Finland
9.03 Venture capital availability 1–7 (best)	4.8	63.8 ↑	5	United States
9.04 Market capitalization % GDP	89.5	89.5 ↓	21	Multiple (15)
9.05 Insurance premium volume to GDP	n/a	81.7 ↑	n/a	Multiple (17)
<b>Stability</b> 0–100	-	<b>86.8</b> ↑	<b>79</b>	<b>Finland</b>
9.06 Soundness of banks 1–7 (best)	5.4	72.5 ↑	56	Finland
9.07 Non-performing loans % of gross total loans	1.7	97.6 =	24	Multiple (3)
9.08 Credit gap %	9.9	79.1 ↑	137	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.9	97.9 ↓	92	Multiple (74)
 <b>10th pillar: Market size</b> 0–100	-	<b>60.4</b> ↑	<b>53</b>	<b>China</b>
10.01 Gross domestic product PPP \$ billions	315	N/Appl.	50	China
10.02 Imports of goods and services % GDP	33.8	N/Appl.	94	Hong Kong SAR
 <b>11th pillar: Business dynamism</b> 0–100	-	<b>66.0</b> ↑	<b>39</b>	<b>United States</b>
<b>Administrative requirements</b> 0–100	-	<b>66.3</b> ↓	<b>86</b>	<b>United States</b>
11.01 Cost of starting a business % of GNI per capita	7.1	96.5 ↓	74	Multiple (2)
11.02 Time to start a business days	8.0	92.5 ↑	47	New Zealand
11.03 Insolvency recovery rate cents to the dollar	30.2	32.5 ↓	88	Japan
11.04 Insolvency regulatory framework 0–16 (best)	7.0	43.8 =	101	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	<b>65.6</b> ↑	<b>12</b>	<b>Israel</b>
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.9	64.3 ↓	12	Israel
11.06 Willingness to delegate authority 1–7 (best)	5.1	67.9 ↓	23	Denmark
11.07 Growth of innovative companies 1–7 (best)	5.0	66.8 ↑	11	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.8	63.4 ↑	6	Israel
 <b>12th pillar: Innovation capability</b> 0–100	-	<b>50.0</b> ↓	<b>38</b>	<b>Germany</b>
<b>Interaction and diversity</b> 0–100	-	<b>58.7</b> ↑	<b>27</b>	<b>Singapore</b>
12.01 Diversity of workforce 1–7 (best)	5.5	74.8 ↑	10	Singapore
12.02 State of cluster development 1–7 (best)	4.9	65.5 ↑	17	Italy
12.03 International co-inventions per million pop.	1.54	28.6 ↓	39	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.9	65.8 ↑	12	Israel
<b>Research and development</b> 0–100	-	<b>31.3</b> ↓	<b>58</b>	<b>Japan</b>
12.05 Scientific publications score	124.0	71.5 ↑	86	Multiple (9)
12.06 Patent applications per million pop.	5.67	34.9 ↓	43	Multiple (8)
12.07 R&D expenditures % GDP	0.5	17.0 ↑	62	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	1.8 ↑	77	Multiple (7)
<b>Commercialization</b> 0–100	-	<b>70.2</b> ↓	<b>30</b>	<b>Luxembourg</b>
12.09 Buyer sophistication 1–7 (best)	4.8	64.1 ↑	7	Korea, Rep.
12.10 Trademark applications per million pop.	1,214.70	76.4 ↓	50	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/>