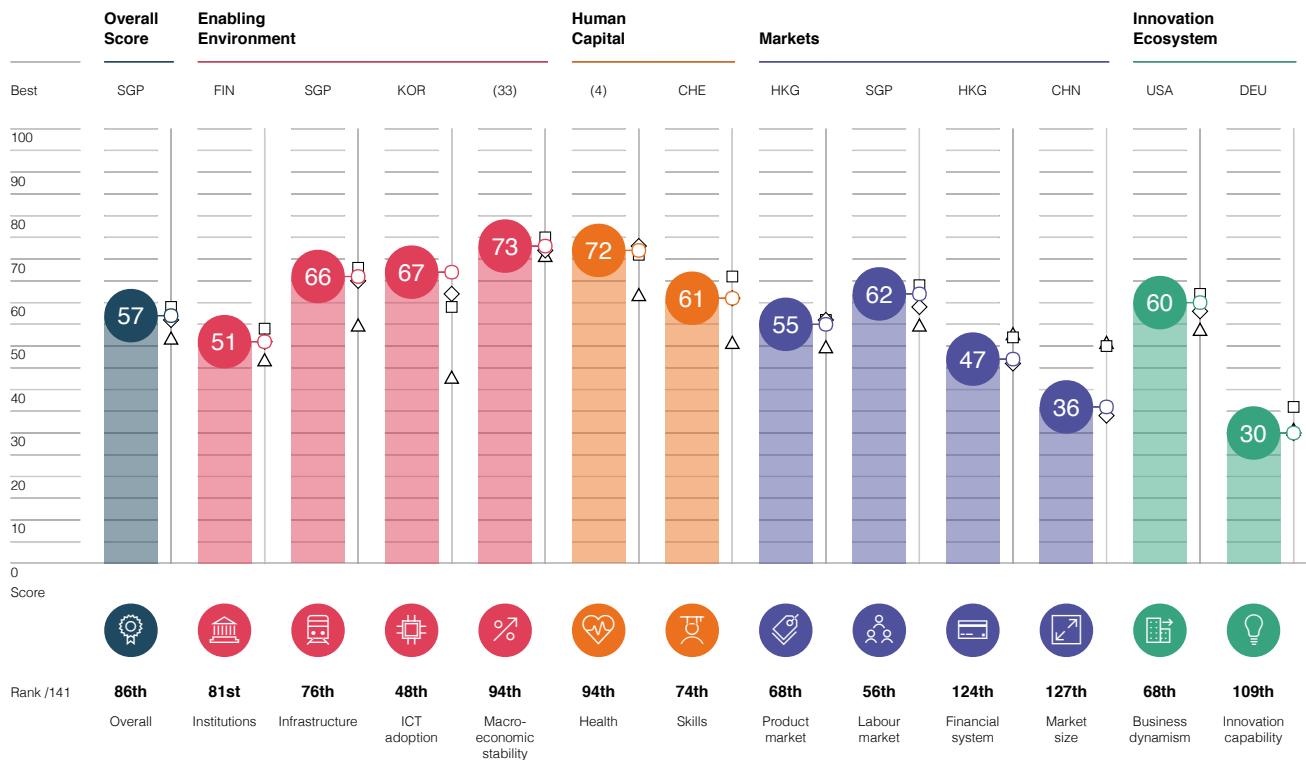


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 88th/140

## Performance Overview 2019

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





## Selected contextual indicators

Population millions	3.5	GDP (PPP) % world GDP	0.02
GDP per capita US\$	3,217.7	5-year average FDI inward flow % GDP	2.7
10-year average annual GDP growth %	3.8		

## Social and environmental performance

Renewable energy consumption share %	14.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Unemployment rate %	3.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	25.9

Index Component	Value	Score *	Rank/141	Best Performer
 <b>1st pillar: Institutions</b> 0–100	-	<b>51.4</b> ↑	<b>81</b>	<b>Finland</b>
<b>Security</b> 0–100	-	<b>73.3</b> ↑	<b>78</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	4.5	58.0 ↓	83	Finland
1.02 Homicide rate per 100,000 pop.	3.2	90.8 ↓	81	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	33	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.7	44.2 ↑	103	Finland
<b>Social capital</b> 0–100	-	<b>45.0</b> ↑	<b>117</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	45.0	45.0 ↑	108	New Zealand
<b>Checks and balances</b> 0–100	-	<b>43.9</b> ↓	<b>95</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	58	58.0	32	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.3	21.4 ↑	132	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.6	27.3 ↑	116	Finland
1.09 Freedom of the press 0–100 (worst)	31.2	68.8 ↓	72	Norway
<b>Public-sector performance</b> 0–100	-	<b>51.8</b> ↑	<b>65</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	3.4	40.2 ↑	76	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.8	29.3 ↑	119	Singapore
1.12 E-Participation 0–1 (best)	0.86	86.0 =	36	Multiple (3)
<b>Transparency</b> 0–100	-	<b>33.0</b> ↑	<b>101</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	33.0	33.0 ↑	101	Denmark
<b>Property rights</b> 0–100	-	<b>56.2</b> ↑	<b>61</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	3.9	48.1 ↑	108	Finland
1.15 Intellectual property protection 1–7 (best)	3.8	47.1 ↑	91	Finland
1.16 Quality of land administration 0–30 (best)	22.0	73.3 =	38	Multiple (5)
<b>Corporate governance</b> 0–100	-	<b>63.5</b> ↑	<b>51</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	4.3	54.4 ↑	98	Finland
1.18 Conflict of interest regulation 0–10 (best)	6.3	63.0 =	47	Kenya
1.19 Shareholder governance 0–10 (best)	7.3	73.0 ↑	17	Kazakhstan
<b>Future orientation of government</b> 0–100	-	<b>44.2</b>	<b>114</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	3.0	33.4	116	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.1	35.2	104	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.2	37.4	98	United States
1.23 Government long-term vision 1–7 (best)	2.9	32.2	116	Singapore
1.24 Energy efficiency regulation 0–100 (best)	n/a	42.4	n/a	Italy
1.25 Renewable energy regulation 0–100 (best)	n/a	43.6	n/a	Germany
1.26 Environment-related treaties in force count (out of 29)	22	75.9	69	Multiple (6)
 <b>2nd pillar: Infrastructure</b> 0–100	-	<b>66.2</b> ↑	<b>76</b>	<b>Singapore</b>
<b>Transport infrastructure</b> 0–100	-	<b>52.2</b> ↑	<b>67</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	76.0	76.0 ↑	70	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.6	26.0 ↑	129	Singapore
2.03 Railroad density km/1,000 km <sup>2</sup>	35.0	87.5 ↑	27	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.0	33.8 ↓	69	Japan
2.05 Airport connectivity score	10,407.5	32.4 =	95	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.4	57.2 ↑	82	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)	2.3	21.9 ↓	127	Singapore
<b>Utility infrastructure</b> 0–100	-	<b>80.2</b> ↓	<b>84</b>	<b>Iceland</b>
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	18.8	84.6 ↑	110	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	22.3	79.3 ↓	82	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.4	56.9 ↑	88	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 <b>3rd pillar: ICT adoption</b> 0–100	-	<b>66.8</b> ↑	<b>48</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	88.0	73.3 ↓	118	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	72.8	N/Appl.	75	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	15.4	30.8 ↑	60	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	8.6	N/Appl.	30	Korea, Rep.
3.05 Internet users % of adult population	76.1	76.1 ↑	51	Qatar
 <b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>73.4</b> ↑	<b>94</b>	<b>Multiple (33)</b>
4.01 Inflation %	4.8	97.7 ↑	104	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.1	49.1 ↓	101	Multiple (34)
 <b>5th pillar: Health</b> 0–100	-	<b>71.9</b> ↓	<b>94</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	63.0	71.9 ↓	93	Multiple (4)
 <b>6th pillar: Skills</b> 0–100	-	<b>61.5</b> ↑	<b>74</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>60.8</b> ↑	<b>56</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	11.6	77.2 ↓	35	Germany
<b>Skills of current workforce</b> 0–100	-	<b>44.4</b> ↑	<b>109</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	3.6	42.8 ↑	112	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.5	41.6 ↑	114	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.6	43.5 ↑	106	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.5	57.6 ↑	55	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.2	36.7 ↑	136	United States
<b>Future workforce</b> 0–100	-	<b>62.1</b> ↓	<b>89</b>	<b>Denmark</b>
6.07 School life expectancy years	11.6	64.5 ↓	94	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>59.8</b> ↓	<b>69</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	3.3	38.7 ↑	81	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	17.7	80.8 ↓	64	Multiple (5)
 <b>7th pillar: Product market</b> 0–100	-	<b>55.0</b> ↓	<b>68</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>48.9</b> ↑	<b>91</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.7	44.9 ↑	75	Singapore
7.02 Extent of market dominance 1–7 (best)	3.2	37.1 ↑	112	Switzerland
7.03 Competition in services 1–7 (best)	4.9	64.8 ↑	75	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>61.1</b> ↓	<b>53</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.7	61.2 ↑	45	Singapore
7.05 Trade tariffs %	3.37	77.6 ↑	49	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	5.4	74.1 ↓	74	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.3	31.3 =	118	Germany
 <b>8th pillar: Labour market</b> 0–100	-	<b>61.9</b> ↑	<b>56</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>57.4</b> ↑	<b>70</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	23.7	59.0 =	107	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.8	47.2 ↑	72	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.4	57.5 ↑	71	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.5	75.8 ↑	24	Estonia
8.05 Active labour market policies 1–7 (best)	3.1	34.7 ↑	81	Switzerland
8.06 Workers' rights 0–100 (best)	83.0	83.0 ↑	31	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.1	51.3 ↑	77	Albania
8.08 Internal labour mobility 1–7 (best)	4.1	51.0 ↑	107	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>66.4</b> ↑	<b>52</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	3.7	45.6 ↑	113	Finland
8.10 Pay and productivity 1–7 (best)	4.1	52.4 ↑	59	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	1.01	100.0 =	3	Multiple (4)
8.12 Labour tax rate %	31.3	67.6 =	126	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 <b>9th pillar: Financial system</b> 0–100	-	<b>46.8</b> ↑	<b>124</b>	<b>Hong Kong SAR</b>
<b>Depth</b> 0–100	-	<b>23.4</b> ↑	<b>116</b>	<b>United States</b>
9.01 Domestic credit to private sector % GDP	30.7	32.3 ↓	99	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.6	43.8 ↑	93	Finland
9.03 Venture capital availability 1–7 (best)	2.5	24.6 ↑	116	United States
9.04 Market capitalization % GDP	0.3	0.3 =	122	Multiple (15)
9.05 Insurance premium volume to GDP	1.0	16.0 ↓	100	Multiple (17)
<b>Stability</b> 0–100	-	<b>76.1</b> ↑	<b>130</b>	<b>Finland</b>
9.06 Soundness of banks 1–7 (best)	3.4	40.7 ↑	127	Finland
9.07 Non-performing loans % of gross total loans	18.4	63.9 ↓	130	Multiple (3)
9.08 Credit gap %	-10.9	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	29.0	100.0 =	3	Multiple (74)
 <b>10th pillar: Market size</b> 0–100	-	<b>36.1</b> ↑	<b>127</b>	<b>China</b>
10.01 Gross domestic product PPP \$ billions	23	N/Appl.	127	China
10.02 Imports of goods and services % GDP	59.9	N/Appl.	39	Hong Kong SAR
 <b>11th pillar: Business dynamism</b> 0–100	-	<b>60.1</b> ↑	<b>68</b>	<b>United States</b>
<b>Administrative requirements</b> 0–100	-	<b>75.6</b> ↑	<b>54</b>	<b>United States</b>
11.01 Cost of starting a business % of GNI per capita	5.0	97.5 ↑	60	Multiple (2)
11.02 Time to start a business days	4.0	96.5 ↑	14	New Zealand
11.03 Insolvency recovery rate cents to the dollar	30.9	33.3 ↑	87	Japan
11.04 Insolvency regulatory framework 0–16 (best)	12.0	75.0 =	26	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	<b>44.7</b> ↑	<b>104</b>	<b>Israel</b>
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.9	48.2 ↑	80	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.2	52.7 ↑	86	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.3	38.7 ↑	129	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	39.3 ↑	104	Israel
 <b>12th pillar: Innovation capability</b> 0–100	-	<b>29.9</b> ↓	<b>109</b>	<b>Germany</b>
<b>Interaction and diversity</b> 0–100	-	<b>29.0</b> ↓	<b>130</b>	<b>Singapore</b>
12.01 Diversity of workforce 1–7 (best)	4.0	49.9 ↑	114	Singapore
12.02 State of cluster development 1–7 (best)	2.6	26.1 ↓	136	Italy
12.03 International co-inventions per million pop.	0.14	4.0 ↑	79	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	36.2 ↑	120	Israel
<b>Research and development</b> 0–100	-	<b>21.0</b> ↓	<b>95</b>	<b>Japan</b>
12.05 Scientific publications score	97.7	68.0 ↑	98	Multiple (9)
12.06 Patent applications per million pop.	0.33	5.2 ↑	80	Multiple (8)
12.07 R&D expenditures % GDP	0.3	10.1 ↓	81	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.7 ↑	92	Multiple (7)
<b>Commercialization</b> 0–100	-	<b>49.4</b> ↓	<b>94</b>	<b>Luxembourg</b>
12.09 Buyer sophistication 1–7 (best)	2.9	30.9 ↓	118	Korea, Rep.
12.10 Trademark applications per million pop.	553.47	68.0 ↓	68	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/>