

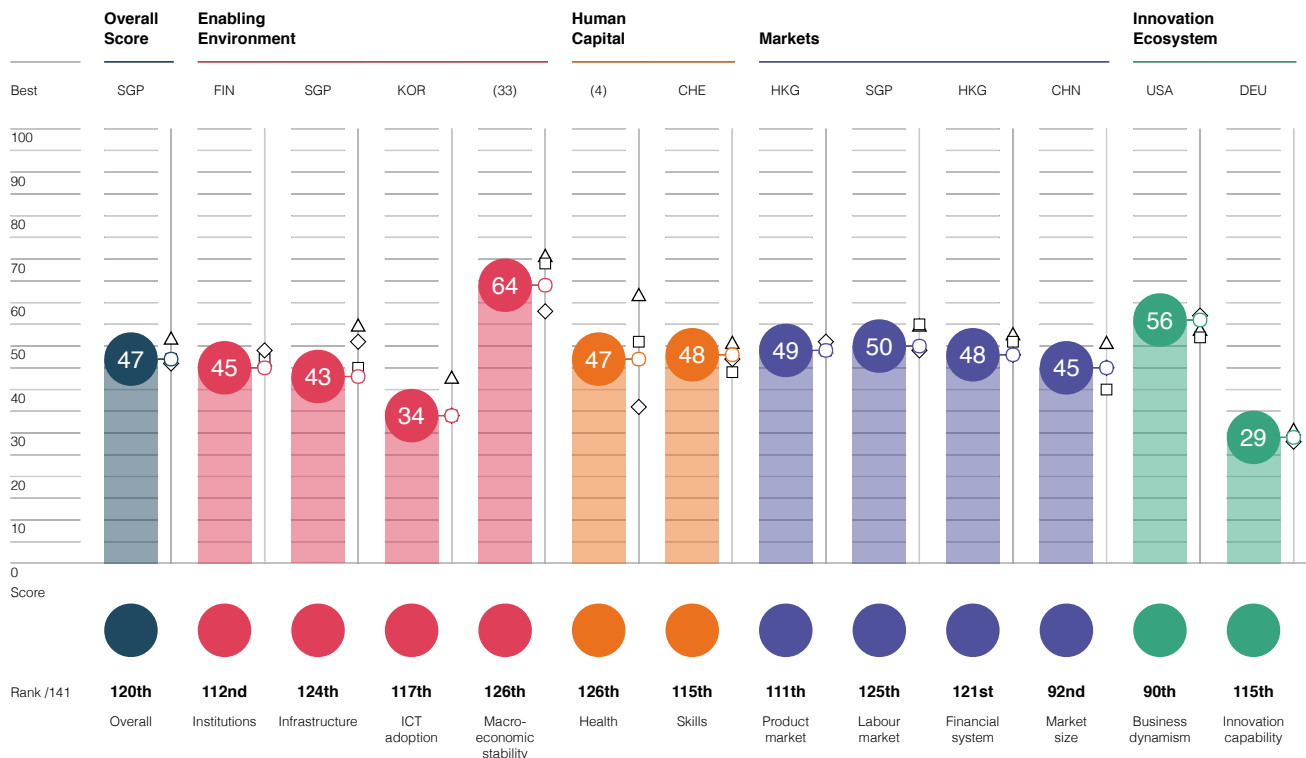
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 118th/140

## Performance Overview Key

◇ Previous edition   △ Lower-middle-income group average   □ Sub-Saharan Africa average

### 2019



### Selected contextual indicators

Population millions	17.8	GDP (PPP) % world GDP	0.05
GDP per capita US\$	1,416.7	5-year average FDI inward flow % GDP	4.2
10-year average annual GDP growth %	4.5		

### Social and environmental performance

Environmental footprint gha/capita	1.7	Unemployment rate %	7.2
Renewable energy consumption share %	88.0	Income Gini 0 (perfect equality) -100 (perfect inequality)	57.1

Index Component	Value	Score *	Rank/141	Best Performer
<b>1st pillar: Institutions 0–100</b>	-	<b>45.2 ↓</b>	<b>112</b>	<b>Finland</b>
<b>Security 0–100</b>	-	<b>69.6 ↓</b>	<b>95</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	4.5	58.8 ↓	79	Finland
1.02 Homicide rate per 100,000 pop.	5.3	83.7 ↓	96	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.9	99.9 =	51	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.1	35.8 ↓	123	Finland
<b>Social capital 0–100</b>	-	<b>54.5 ↑</b>	<b>45</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	54.5	54.5 ↑	41	New Zealand
<b>Checks and balances 0–100</b>	-	<b>30.6 ↓</b>	<b>136</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	8	8.0	88	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.7	28.0 ↓	117	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.4	22.7 ↓	131	Finland
1.09 Freedom of the press 0–100 (worst)	36.4	63.6 ↓	97	Norway
<b>Public-sector performance 0–100</b>	-	<b>41.3 ↓</b>	<b>105</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	3.5	42.2 ↓	70	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.5	41.8 ↓	81	Singapore
1.12 E-Participation 0–1 (best)	0.40	39.9 =	114	Multiple (3)
<b>Transparency 0–100</b>	-	<b>35.0 ↓</b>	<b>91</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	35.0	35.0 ↓	91	Denmark
<b>Property rights 0–100</b>	-	<b>39.9 ↓</b>	<b>117</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	4.1	52.3 ↓	85	Finland
1.15 Intellectual property protection 1–7 (best)	3.6	44.1 ↓	106	Finland
1.16 Quality of land administration 0–30 (best)	7.0	23.3 =	124	Multiple (5)
<b>Corporate governance 0–100</b>	-	<b>47.6 ↓</b>	<b>109</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	3.6	42.7 ↓	129	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 =	68	Kenya
1.19 Shareholder governance 0–10 (best)	4.3	43.0 ↓	100	Kazakhstan
<b>Future orientation of government 0–100</b>	-	<b>43.0</b>	<b>116</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	3.7	45.2	86	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.4	39.5	89	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.1	34.8	106	United States
1.23 Government long-term vision 1–7 (best)	3.8	47.1	74	Singapore
1.24 Energy efficiency regulation 0–100 (best)	16.1	16.1	101	Italy
1.25 Renewable energy regulation 0–100 (best)	51.4	51.4	68	Germany
1.26 Environment-related treaties in force count (out of 29)	19	65.5	107	Multiple (6)
<b>2nd pillar: Infrastructure 0–100</b>	-	<b>43.3 ↓</b>	<b>124</b>	<b>Singapore</b>
<b>Transport infrastructure 0–100</b>	-	<b>36.6 ↓</b>	<b>115</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	77.5	77.5 ↑	64	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.4	40.6 ↑	101	Singapore
2.03 Railroad density km/1,000 km <sup>2</sup>	2.9	7.2 ↓	84	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.1	17.7 ↓	93	Japan
2.05 Airport connectivity score	4,819.8	25.0 =	118	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.1	51.5 ↑	97	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)	2.7	28.2 ↑	120	Singapore
<b>Utility infrastructure 0–100</b>	-	<b>50.0 ↓</b>	<b>123</b>	<b>Iceland</b>
2.09 Electricity access % of population	32.6	32.6 ↓	129	Multiple (67)
2.10 Electricity supply quality % of output	14.5	89.0 ↓	93	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	61.4	39.4 ↓	111	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.3	38.8 ↑	122	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
<b>3rd pillar: ICT adoption</b> 0–100	-	<b>34.2</b> ↑	<b>117</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	89.2	74.3 ↑	116	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	56.6	N/Appl.	95	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.2	0.5 ↑	123	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	105	Korea, Rep.
3.05 Internet users % of adult population	14.3	14.3 ↓	134	Qatar
<b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>64.1</b> ↑	<b>126</b>	<b>Multiple (33)</b>
4.01 Inflation %	6.8	92.2 ↑	120	Multiple (88)
4.02 Debt dynamics 0–100 (best)	35.9	35.9 ↓	138	Multiple (34)
<b>5th pillar: Health</b> 0–100	-	<b>47.3</b> ↑	<b>126</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	55.1	47.3 ↑	125	Multiple (4)
<b>6th pillar: Skills</b> 0–100	-	<b>47.6</b> ↑	<b>115</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>49.8</b> ↓	<b>95</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	7.9	52.7 =	93	Germany
<b>Skills of current workforce</b> 0–100	-	<b>46.9</b> ↓	<b>97</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	3.6	43.3 ↑	109	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.5	41.0 ↓	118	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.8	46.0 ↓	96	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.5	41.7 ↓	118	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.8	62.7 ↑	30	United States
<b>Future workforce</b> 0–100	-	<b>45.5</b> ↑	<b>122</b>	<b>Denmark</b>
6.07 School life expectancy years	n/a	66.1 ↓	n/a	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>24.8</b> ↑	<b>131</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	2.8	29.8 ↓	119	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	42.1	19.9 ↑	125	Multiple (5)
<b>7th pillar: Product market</b> 0–100	-	<b>48.6</b> ↓	<b>111</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>45.6</b> ↓	<b>111</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.4	39.2 ↓	106	Singapore
7.02 Extent of market dominance 1–7 (best)	2.9	32.3 ↓	127	Switzerland
7.03 Competition in services 1–7 (best)	4.9	65.4 ↑	71	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>51.5</b> ↓	<b>110</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.2	52.8 ↓	97	Singapore
7.05 Trade tariffs %	10.27	31.5 ↑	111	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.5	92.3 ↑	31	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.2	29.5 =	122	Germany
<b>8th pillar: Labour market</b> 0–100	-	<b>49.7</b> ↑	<b>125</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>48.4</b> ↑	<b>127</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	50.5	3.1 ↑	134	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.9	48.0 ↑	69	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.8	45.9 ↓	125	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.5	74.9 ↑	26	Estonia
8.05 Active labour market policies 1–7 (best)	2.1	18.0 ↓	128	Switzerland
8.06 Workers' rights 0–100 (best)	70.0	70.0 ↓	77	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.7	61.4 ↑	24	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	65.6 ↑	33	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>51.1</b> ↑	<b>117</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	3.9	47.9 ↑	103	Finland
8.10 Pay and productivity 1–7 (best)	3.5	40.9 ↓	114	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.35	18.9 ↑	119	Multiple (4)
8.12 Labour tax rate %	10.4	96.7 =	32	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
<b>9th pillar: Financial system</b> 0–100	-	<b>47.8 ↓</b>	<b>121</b>	<b>Hong Kong SAR</b>
<b>Depth</b> 0–100	-	<b>19.5 ↓</b>	<b>127</b>	<b>United States</b>
9.01 Domestic credit to private sector % GDP	15.5	16.3 ↓	123	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.1	34.4 ↓	121	Finland
9.03 Venture capital availability 1–7 (best)	1.8	13.4 ↓	139	United States
9.04 Market capitalization % GDP	16.5	16.5 ↑	85	Multiple (15)
9.05 Insurance premium volume to GDP	1.0	17.1 ↓	98	Multiple (17)
<b>Stability</b> 0–100	-	<b>83.2 ↓</b>	<b>102</b>	<b>Finland</b>
9.06 Soundness of banks 1–7 (best)	4.4	56.0 ↑	101	Finland
9.07 Non-performing loans % of gross total loans	12.0	76.8 ↓	118	Multiple (3)
9.08 Credit gap %	-5.5	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	24.5	100.0 =	10	Multiple (74)
<b>10th pillar: Market size</b> 0–100	-	<b>45.4 ↑</b>	<b>92</b>	<b>China</b>
10.01 Gross domestic product PPP \$ billions	65	N/Appl.	92	China
10.02 Imports of goods and services % GDP	44.0	N/Appl.	69	Hong Kong SAR
<b>11th pillar: Business dynamism</b> 0–100	-	<b>56.4 ↓</b>	<b>90</b>	<b>United States</b>
<b>Administrative requirements</b> 0–100	-	<b>65.1 ↓</b>	<b>88</b>	<b>United States</b>
11.01 Cost of starting a business % of GNI per capita	32.8	83.6 ↑	118	Multiple (2)
11.02 Time to start a business days	8.5	92.0 =	53	New Zealand
11.03 Insolvency recovery rate cents to the dollar	49.8	53.6 ↑	42	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 ↓	120	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	<b>47.8 ↓</b>	<b>89</b>	<b>Israel</b>
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.9	47.8 ↓	82	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.5	58.9 ↑	53	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.8	46.8 ↓	91	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.3	37.7 ↑	114	Israel
<b>12th pillar: Innovation capability</b> 0–100	-	<b>28.6 ↑</b>	<b>115</b>	<b>Germany</b>
<b>Interaction and diversity</b> 0–100	-	<b>34.1 ↑</b>	<b>104</b>	<b>Singapore</b>
12.01 Diversity of workforce 1–7 (best)	4.5	57.6 ↑	69	Singapore
12.02 State of cluster development 1–7 (best)	3.5	41.7 ↓	95	Italy
12.03 International co-inventions per million pop.	0.02	0.5 ↓	107	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	36.7 ↑	117	Israel
<b>Research and development</b> 0–100	-	<b>19.9 ↑</b>	<b>110</b>	<b>Japan</b>
12.05 Scientific publications score	109.7	69.7 ↑	94	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.3 ↓	116	Multiple (8)
12.07 R&D expenditures % GDP	0.3	9.3 =	84	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4 ↓	98	Multiple (7)
<b>Commercialization</b> 0–100	-	<b>34.7 ↑</b>	<b>123</b>	<b>Luxembourg</b>
12.09 Buyer sophistication 1–7 (best)	2.6	26.6 ↓	130	Korea, Rep.
12.10 Trademark applications per million pop.	52.62	42.8 ↑	113	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/>