

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 112nd/140

## Performance Overview Key

◇ Previous edition   △ Lower-middle-income group average   □ East Asia and Pacific average

### 2019





## Selected contextual indicators

Population millions	6.8	GDP (PPP) % world GDP	0.04
GDP per capita US\$	2,720.3	5-year average FDI inward flow % GDP	7.3
10-year average annual GDP growth %	6.5		

## Social and environmental performance

Environmental footprint gha/capita	1.6	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	59.3	Income Gini 0 (perfect equality) -100 (perfect inequality)	36.4
Unemployment rate %	0.6		

Index Component	Value	Score *	Rank/141	Best Performer
 <b>1st pillar: Institutions</b> 0–100	-	<b>42.8</b> ↓	<b>119</b>	<b>Finland</b>
<b>Security</b> 0–100	-	<b>74.0</b> ↑	<b>73</b>	<b>Finland</b>
1.01 Organized crime 1–7 (best)	4.4	55.9 ↓	89	Finland
1.02 Homicide rate per 100,000 pop.	4.5	86.5 ↑	91	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.7	99.7 =	81	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.2	53.7 ↑	76	Finland
<b>Social capital</b> 0–100	-	<b>40.4</b> ↓	<b>138</b>	<b>New Zealand</b>
1.05 Social capital 0–100 (best)	40.4	40.4 ↓	129	New Zealand
<b>Checks and balances</b> 0–100	-	<b>34.9</b> ↓	<b>125</b>	<b>Finland</b>
1.06 Budget transparency 0–100 (best)	n/a	17.5	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	4.0	50.1 ↑	61	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.2	36.4 ↓	81	Finland
1.09 Freedom of the press 0–100 (worst)	64.5	35.5 ↑	137	Norway
<b>Public-sector performance</b> 0–100	-	<b>37.8</b> ↓	<b>118</b>	<b>Singapore</b>
1.10 Burden of government regulation 1–7 (best)	3.6	43.8 ↓	63	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	4.1	52.2 ↑	51	Singapore
1.12 E-Participation 0–1 (best)	0.17	17.4 =	132	Multiple (3)
<b>Transparency</b> 0–100	-	<b>29.0</b> =	<b>111</b>	<b>Denmark</b>
1.13 Incidence of corruption 0–100 (best)	29.0	29.0 =	111	Denmark
<b>Property rights</b> 0–100	-	<b>44.3</b> ↑	<b>99</b>	<b>Finland</b>
1.14 Property rights 1–7 (best)	3.9	48.5 ↑	107	Finland
1.15 Intellectual property protection 1–7 (best)	4.0	49.4 ↑	81	Finland
1.16 Quality of land administration 0–30 (best)	10.5	35.0 =	98	Multiple (5)
<b>Corporate governance</b> 0–100	-	<b>37.2</b> ↑	<b>136</b>	<b>New Zealand</b>
1.17 Strength of auditing and accounting standards 1–7 (best)	3.9	48.5 ↑	115	Finland
1.18 Conflict of interest regulation 0–10 (best)	3.3	33.0 =	133	Kenya
1.19 Shareholder governance 0–10 (best)	3.0	30.0 =	132	Kazakhstan
<b>Future orientation of government</b> 0–100	-	<b>44.5</b>	<b>113</b>	<b>Luxembourg</b>
1.20 Government ensuring policy stability 1–7 (best)	3.8	46.7	79	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	4.1	52.3	42	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.7	45.8	56	United States
1.23 Government long-term vision 1–7 (best)	4.8	63.6	20	Singapore
1.24 Energy efficiency regulation 0–100 (best)	11.4	11.4	107	Italy
1.25 Renewable energy regulation 0–100 (best)	30.6	30.6	96	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>59.2</b> ↑	<b>93</b>	<b>Singapore</b>
<b>Transport infrastructure</b> 0–100	-	<b>45.3</b> ↑	<b>87</b>	<b>Singapore</b>
2.01 Road connectivity 0–100 (best)	51.5	51.5 ↑	126	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.7	44.3 ↑	89	Singapore
2.03 Railroad density km/1,000 km <sup>2</sup>	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	14,364.3	35.9 =	88	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.0	49.3 ↑	104	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)	3.0	34.1 ↑	115	Singapore
<b>Utility infrastructure</b> 0–100	-	<b>73.2</b> ↓	<b>97</b>	<b>Iceland</b>
2.09 Electricity access % of population	94.2	94.2 ↑	96	Multiple (67)
2.10 Electricity supply quality % of output	n/a	95.2 ↑	n/a	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	53.7	47.3 ↓	108	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.4	56.1 ↑	93	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 <b>3rd pillar: ICT adoption</b> 0–100	-	<b>44.2</b> ↑	<b>102</b>	<b>Korea, Rep.</b>
3.01 Mobile-cellular telephone subscriptions per 100 pop.	51.9	43.2 ↓	134	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	42.0	N/Appl.	111	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.6	1.3 ↑	117	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.4	N/Appl.	82	Korea, Rep.
3.05 Internet users % of adult population	25.5	25.5 ↑	117	Qatar
 <b>4th pillar: Macroeconomic stability</b> 0–100	-	<b>69.7</b> ↑	<b>113</b>	<b>Multiple (33)</b>
4.01 Inflation %	1.4	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	39.4	39.4 ↑	128	Multiple (34)
 <b>5th pillar: Health</b> 0–100	-	<b>60.9</b> ↑	<b>109</b>	<b>Multiple (4)</b>
5.01 Healthy life expectancy years	59.5	60.9 ↑	108	Multiple (4)
 <b>6th pillar: Skills</b> 0–100	-	<b>51.3</b> ↑	<b>104</b>	<b>Switzerland</b>
<b>Current workforce</b> 0–100	-	<b>44.2</b> ↑	<b>114</b>	<b>Switzerland</b>
6.01 Mean years of schooling years	5.6	37.3 =	120	Germany
<b>Skills of current workforce</b> 0–100	-	<b>51.1</b> ↑	<b>73</b>	<b>Switzerland</b>
6.02 Extent of staff training 1–7 (best)	4.0	49.9 ↑	69	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.7	45.7 ↑	97	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.3	54.5 ↑	55	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.1	52.3 ↑	74	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.2	53.2 ↑	67	United States
<b>Future workforce</b> 0–100	-	<b>58.4</b> ↑	<b>101</b>	<b>Denmark</b>
6.07 School life expectancy years	11.1	61.4 ↓	102	Multiple (11)
<b>Skills of future workforce</b> 0–100	-	<b>55.4</b> ↑	<b>79</b>	<b>Denmark</b>
6.08 Critical thinking in teaching 1–7 (best)	3.5	41.6 ↑	68	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	22.3	69.2 ↑	85	Multiple (5)
 <b>7th pillar: Product market</b> 0–100	-	<b>54.1</b> ↑	<b>77</b>	<b>Hong Kong SAR</b>
<b>Domestic competition</b> 0–100	-	<b>48.3</b> ↓	<b>94</b>	<b>Hong Kong SAR</b>
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.5	42.4 ↓	88	Singapore
7.02 Extent of market dominance 1–7 (best)	4.1	51.0 ↑	44	Switzerland
7.03 Competition in services 1–7 (best)	4.1	51.5 ↓	132	Hong Kong SAR
<b>Trade openness</b> 0–100	-	<b>60.0</b> ↑	<b>59</b>	<b>Singapore</b>
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.3	55.2 ↑	81	Singapore
7.05 Trade tariffs %	6.58	56.1 ↑	85	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.3	88.3 ↑	46	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.6	40.3 =	73	Germany
 <b>8th pillar: Labour market</b> 0–100	-	<b>57.0</b> ↑	<b>87</b>	<b>Singapore</b>
<b>Flexibility</b> 0–100	-	<b>52.1</b> ↑	<b>112</b>	<b>Singapore</b>
8.01 Redundancy costs weeks of salary	34.1	37.3 ↑	129	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.7	44.6 ↑	89	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.7	61.0 ↑	49	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.0	66.1 ↓	72	Estonia
8.05 Active labour market policies 1–7 (best)	3.2	36.8 ↑	77	Switzerland
8.06 Workers' rights 0–100 (best)	62.0	62.0 ↑	104	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.0	49.2 ↓	86	Albania
8.08 Internal labour mobility 1–7 (best)	4.6	59.8 ↑	64	United States
<b>Meritocracy and incentivization</b> 0–100	-	<b>61.9</b> ↑	<b>74</b>	<b>Denmark</b>
8.09 Reliance on professional management 1–7 (best)	3.9	48.8 ↑	100	Finland
8.10 Pay and productivity 1–7 (best)	4.4	55.9 ↑	44	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.54	42.9 ↑	91	Multiple (4)
8.12 Labour tax rate %	6.8	100.0 =	23	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 <b>9th pillar: Financial system</b> 0–100	-	55.2 ↑	97	Hong Kong SAR
<b>Depth</b> 0–100	-	31.9 ↑	93	United States
9.01 Domestic credit to private sector % GDP	n/a	55.8 ↑	n/a	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.8	47.1 ↑	80	Finland
9.03 Venture capital availability 1–7 (best)	3.2	36.1 ↓	67	United States
9.04 Market capitalization % GDP	12.7	12.7	91	Multiple (15)
9.05 Insurance premium volume to GDP	0.5	7.7 ↓	120	Multiple (17)
<b>Stability</b> 0–100	-	84.4 ↓	95	Finland
9.06 Soundness of banks 1–7 (best)	4.5	57.6 ↑	96	Finland
9.07 Non-performing loans % of gross total loans	9.3	82.2 ↓	102	Multiple (3)
9.08 Credit gap %	1.5	100.0 ↑	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.8	97.7 ↓	93	Multiple (74)
 <b>10th pillar: Market size</b> 0–100	-	42.1 ↑	102	China
10.01 Gross domestic product PPP \$ billions	48	N/Appl.	98	China
10.02 Imports of goods and services % GDP	40.6	N/Appl.	80	Hong Kong SAR
 <b>11th pillar: Business dynamism</b> 0–100	-	36.8 ↓	137	United States
<b>Administrative requirements</b> 0–100	-	24.2 ↓	139	United States
11.01 Cost of starting a business % of GNI per capita	6.6	96.7 ↓	69	Multiple (2)
11.02 Time to start a business days	174.0	0.0	140	New Zealand
11.03 Insolvency recovery rate cents to the dollar	0.0	0.0	133	Japan
11.04 Insolvency regulatory framework 0–16 (best)	0.0	0.0	135	Multiple (6)
<b>Entrepreneurial culture</b> 0–100	-	49.4 ↑	78	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.8	46.3 ↑	95	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.1	51.7 ↓	95	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.1	52.1 ↑	65	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.8	47.4 ↑	52	Israel
 <b>12th pillar: Innovation capability</b> 0–100	-	28.0 ↑	119	Germany
<b>Interaction and diversity</b> 0–100	-	40.3 ↑	71	Singapore
12.01 Diversity of workforce 1–7 (best)	4.7	60.9 ↑	54	Singapore
12.02 State of cluster development 1–7 (best)	4.0	50.8 ↑	49	Italy
12.03 International co-inventions per million pop.	0.03	0.9 ↓	99	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.9	48.7 ↑	52	Israel
<b>Research and development</b> 0–100	-	17.8 ↓	122	Japan
12.05 Scientific publications score	73.3	63.8 ↑	118	Multiple (9)
12.06 Patent applications per million pop.	0.08	1.4 ↓	100	Multiple (8)
12.07 R&D expenditures % GDP	n/a	6.1 ↓	n/a	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
<b>Commercialization</b> 0–100	-	23.7 ↑	134	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.8	47.3 ↑	49	Korea, Rep.
12.10 Trademark applications per million pop.	0.00	0.0	126	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/>