

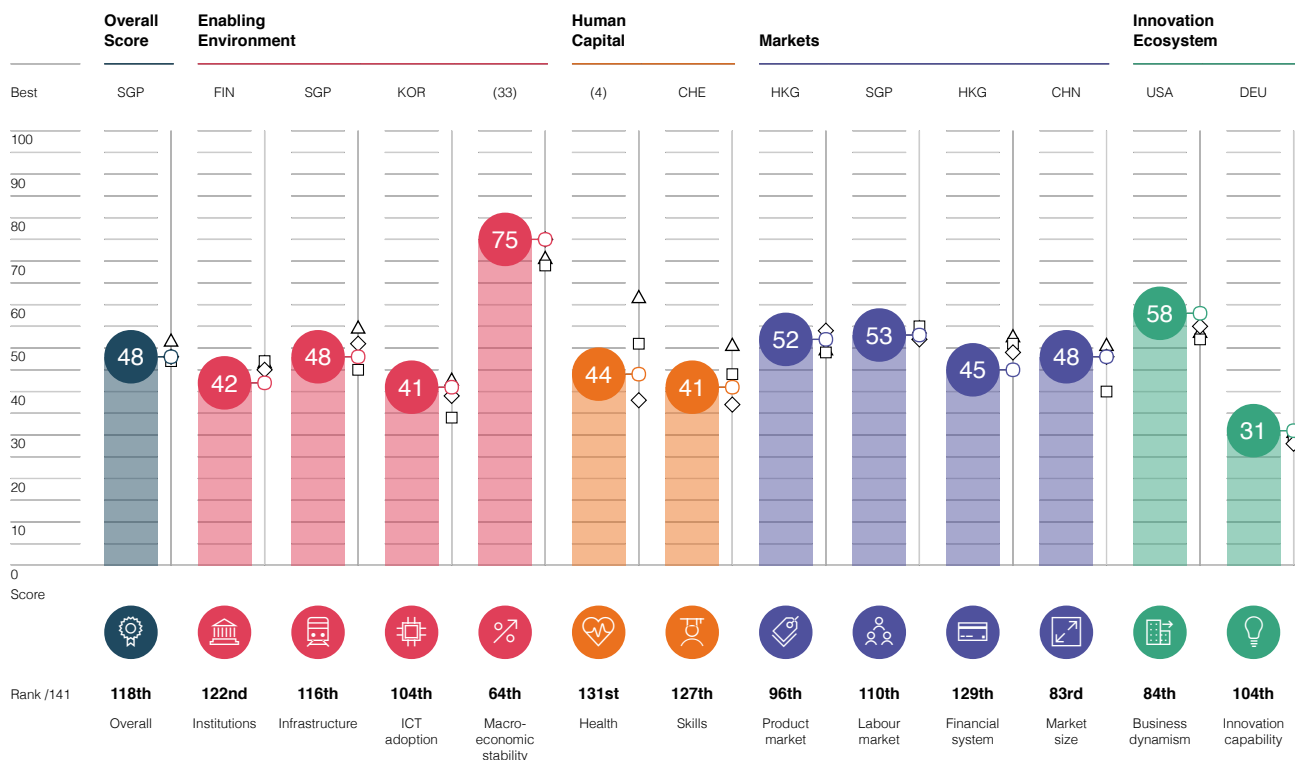
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 114th/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	25.6	GDP (PPP) % world GDP	0.08
GDP per capita US\$	1,680.4	5-year average FDI inward flow % GDP	1.8
10-year average annual GDP growth %	5.5		

Social and environmental performance

Environmental footprint gha/capita	1.6	Global Gender Gap Index 0-1 (gender parity)	0.6
Renewable energy consumption share %	64.5	Income Gini 0 (perfect equality) -100 (perfect inequality)	41.5
Unemployment rate %	2.5		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	42.4 ↓	122	Finland
Security 0–100	-	45.1 ↓	128	Finland
1.01 Organized crime 1–7 (best)	3.4	40.2 ↓	123	Finland
1.02 Homicide rate per 100,000 pop.	41.2	0.0	137	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	1	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.4	40.3 ↑	111	Finland
Social capital 0–100	-	41.4 ↓	134	New Zealand
1.05 Social capital 0–100 (best)	41.4	41.4 ↓	125	New Zealand
Checks and balances 0–100	-	39.8 ↓	109	Finland
1.06 Budget transparency 0–100 (best)	24	24.0	78	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.7	27.6 ↑	119	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.2	37.3 ↑	80	Finland
1.09 Freedom of the press 0–100 (worst)	29.5	70.5 ↑	59	Norway
Public-sector performance 0–100	-	35.5 ↓	123	Singapore
1.10 Burden of government regulation 1–7 (best)	3.4	40.4 ↑	74	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.9	48.6 ↑	65	Singapore
1.12 E-Participation 0–1 (best)	0.17	17.4 =	132	Multiple (3)
Transparency 0–100	-	35.0 ↓	91	Denmark
1.13 Incidence of corruption 0–100 (best)	35.0	35.0 ↓	91	Denmark
Property rights 0–100	-	44.0 ↑	103	Finland
1.14 Property rights 1–7 (best)	3.9	49.1 ↑	102	Finland
1.15 Intellectual property protection 1–7 (best)	3.9	47.9 ↑	88	Finland
1.16 Quality of land administration 0–30 (best)	10.5	35.0 ↓	98	Multiple (5)
Corporate governance 0–100	-	42.5 ↓	124	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.9	47.6 ↓	119	Finland
1.18 Conflict of interest regulation 0–10 (best)	4.3	43.0 =	112	Kenya
1.19 Shareholder governance 0–10 (best)	3.7	37.0 =	112	Kazakhstan
Future orientation of government 0–100	-	55.5	69	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	4.0	49.5	70	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.7	45.6	69	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.7	45.2	60	United States
1.23 Government long-term vision 1–7 (best)	4.3	54.3	52	Singapore
1.24 Energy efficiency regulation 0–100 (best)	43.2	43.2	67	Italy
1.25 Renewable energy regulation 0–100 (best)	54.3	54.3	60	Germany
1.26 Environment-related treaties in force count (out of 29)	26	89.7	17	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	47.9 ↓	116	Singapore
Transport infrastructure 0–100	-	38.9 ↑	112	Singapore
2.01 Road connectivity 0–100 (best)	77.7	77.7 ↑	62	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.6	43.2 ↑	94	Singapore
2.03 Railroad density km/1,000 km ²	2.0	5.0 ↑	88	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.9	32.5 ↑	72	Japan
2.05 Airport connectivity score	5,367.2	25.9 =	115	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.6	59.4 ↑	73	Singapore
2.07 Liner shipping connectivity 0–100 (best)	16.8	16.8 ↓	71	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.0	50.4 ↑	74	Singapore
Utility infrastructure 0–100	-	56.9 ↓	117	Iceland
2.09 Electricity access % of population	59.9	59.9 ↓	116	Multiple (67)
2.10 Electricity supply quality % of output	19.4	84.0 ↑	112	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	65.6	35.1 ↓	119	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.9	48.6 ↓	108	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	41.3 ↑	104	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	134.9	100.0 =	29	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	61.6	N/Appl.	87	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.7	1.4 ↑	116	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	112	Korea, Rep.
3.05 Internet users % of adult population	46.8	46.8 ↑	99	Qatar
 4th pillar: Macroeconomic stability 0–100	-	75.0 ↑	64	Multiple (33)
4.01 Inflation %	0.6	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 5th pillar: Health 0–100	-	44.2 ↑	131	Multiple (4)
5.01 Healthy life expectancy years	54.2	44.2 ↑	130	Multiple (4)
 6th pillar: Skills 0–100	-	40.6 ↑	127	Switzerland
Current workforce 0–100	-	40.5 ↑	121	Switzerland
6.01 Mean years of schooling years	4.4	29.6 ↑	127	Germany
Skills of current workforce 0–100	-	51.3 ↓	71	Switzerland
6.02 Extent of staff training 1–7 (best)	4.0	50.5 ↓	64	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.2	53.4 ↑	66	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.8	46.6 ↑	90	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.8	46.4 ↓	95	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.6	59.8 ↓	40	United States
Future workforce 0–100	-	40.7 ↑	129	Denmark
6.07 School life expectancy years	9.6	53.5 ↑	110	Multiple (11)
Skills of future workforce 0–100	-	27.9 ↑	126	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.2	36.9 ↑	90	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	42.4	18.9 ↑	126	Multiple (5)
 7th pillar: Product market 0–100	-	51.7 ↓	96	Hong Kong SAR
Domestic competition 0–100	-	47.7 ↑	99	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.6	43.1 ↑	83	Singapore
7.02 Extent of market dominance 1–7 (best)	3.3	38.3 ↑	106	Switzerland
7.03 Competition in services 1–7 (best)	4.7	61.6 ↑	92	Hong Kong SAR
Trade openness 0–100	-	55.8 ↓	83	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.1	52.1 ↓	99	Singapore
7.05 Trade tariffs %	10.19	32.1 ↓	104	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	94.7 ↑	11	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.8	44.5 =	52	Germany
 8th pillar: Labour market 0–100	-	52.8 ↑	110	Singapore
Flexibility 0–100	-	60.7 ↑	47	Singapore
8.01 Redundancy costs weeks of salary	13.1	81.0 ↓	53	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.0	49.5 ↓	61	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.8	63.4 ↑	43	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.4	73.6 ↓	34	Estonia
8.05 Active labour market policies 1–7 (best)	2.3	21.0 ↑	118	Switzerland
8.06 Workers' rights 0–100 (best)	73.0	73.0 ↑	57	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.5	57.9 ↓	40	Albania
8.08 Internal labour mobility 1–7 (best)	5.0	66.4 ↑	27	United States
Meritocracy and incentivization 0–100	-	45.0 ↑	131	Denmark
8.09 Reliance on professional management 1–7 (best)	4.0	49.5 ↓	95	Finland
8.10 Pay and productivity 1–7 (best)	3.3	38.9 ↑	120	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.30	12.8 ↑	123	Multiple (4)
8.12 Labour tax rate %	23.3	78.8 =	100	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	45.1 ↓	129	Hong Kong SAR
Depth 0–100	-	18.5 ↓	131	United States
9.01 Domestic credit to private sector % GDP	24.6	25.9 ↑	110	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.5	24.4 ↑	137	Finland
9.03 Venture capital availability 1–7 (best)	2.0	16.6 ↑	134	United States
9.04 Market capitalization % GDP	5.7	5.7 ↓	101	Multiple (15)
9.05 Insurance premium volume to GDP	1.2	19.9 ↓	87	Multiple (17)
Stability 0–100	-	78.5 ↓	121	Finland
9.06 Soundness of banks 1–7 (best)	4.2	53.4 ↓	104	Finland
9.07 Non-performing loans % of gross total loans	9.4	82.0 ↑	104	Multiple (3)
9.08 Credit gap %	2.5	98.8 ↓	105	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	9.0	79.7 ↓	140	Multiple (74)
 10th pillar: Market size 0–100	-	48.4 ↑	83	China
10.01 Gross domestic product PPP \$ billions	95	N/Appl.	77	China
10.02 Imports of goods and services % GDP	32.7	N/Appl.	99	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	57.6 ↑	84	United States
Administrative requirements 0–100	-	72.3 ↑	61	United States
11.01 Cost of starting a business % of GNI per capita	2.7	98.6 ↑	48	Multiple (2)
11.02 Time to start a business days	6.0	94.5 ↑	32	New Zealand
11.03 Insolvency recovery rate cents to the dollar	36.9	39.7 ↑	72	Japan
11.04 Insolvency regulatory framework 0–16 (best)	9.0	56.3 =	75	Multiple (6)
Entrepreneurial culture 0–100	-	42.9 ↑	116	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.3	38.3 ↑	128	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.0	49.8 ↑	107	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.7	44.2 ↑	101	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	39.3 ↑	103	Israel
 12th pillar: Innovation capability 0–100	-	30.7 ↑	104	Germany
Interaction and diversity 0–100	-	33.7 ↑	105	Singapore
12.01 Diversity of workforce 1–7 (best)	4.3	54.8 ↑	82	Singapore
12.02 State of cluster development 1–7 (best)	3.3	38.3 ↑	108	Italy
12.03 International co-inventions per million pop.	0.01	0.3 ↑	116	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.5	41.5 ↑	95	Israel
Research and development 0–100	-	20.1 ↑	108	Japan
12.05 Scientific publications score	104.7	69.0 ↑	95	Multiple (9)
12.06 Patent applications per million pop.	0.01	0.2 ↑	123	Multiple (8)
12.07 R&D expenditures % GDP	n/a	11.1 ↑	n/a	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
Commercialization 0–100	-	46.1 ↑	100	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.8	29.6 ↑	120	Korea, Rep.
12.10 Trademark applications per million pop.	331.78	62.5 ↑	85	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/>