

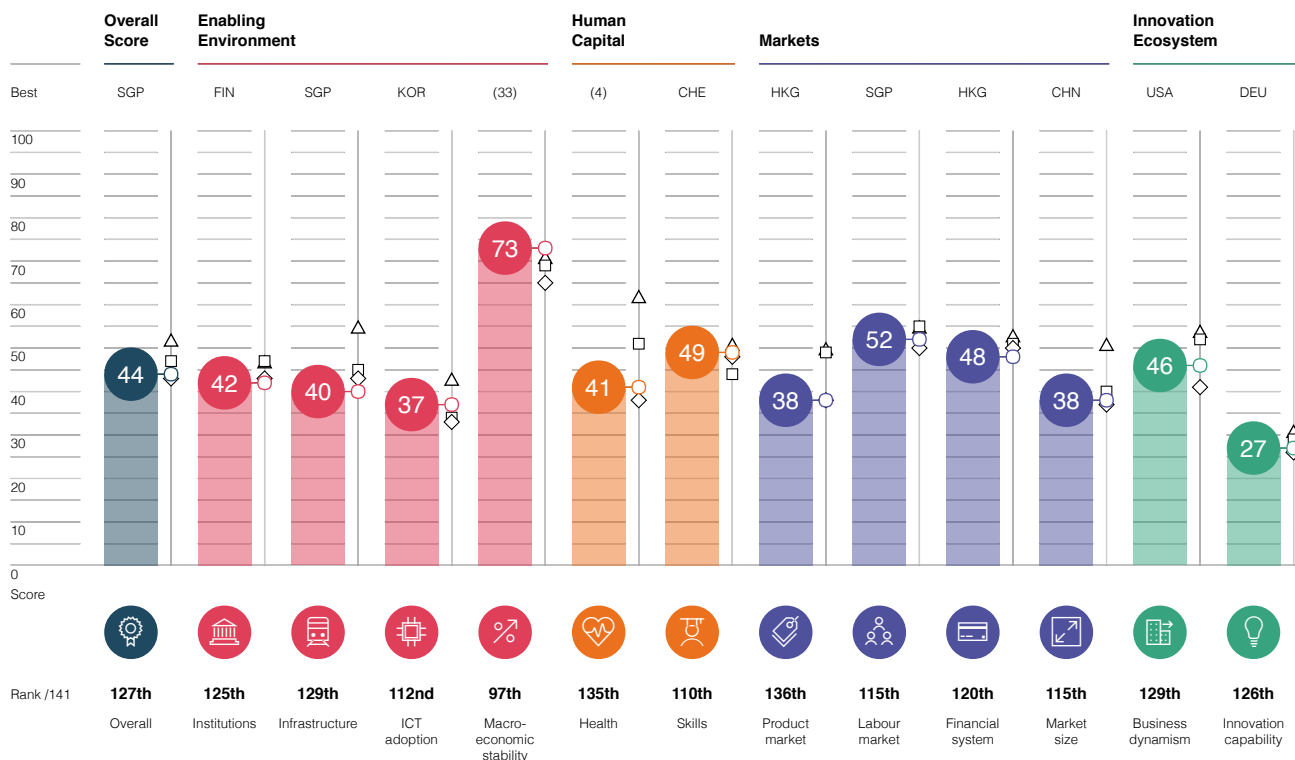
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 128th/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	15.3	GDP (PPP) % world GDP	0.03
GDP per capita US\$	1,711.8	5-year average FDI inward flow % GDP	2.5
10-year average annual GDP growth %	6.1		

Social and environmental performance

Environmental footprint gha/capita	1.8	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	81.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	43.2
Unemployment rate %	4.9		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	41.8 ↓	125	Finland
Security 0–100	-	70.4 ↓	92	Finland
1.01 Organized crime 1–7 (best)	4.8	63.9 ↓	58	Finland
1.02 Homicide rate per 100,000 pop.	6.7	79.0 ↓	104	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.9	99.9 =	68	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.3	39.0 ↓	116	Finland
Social capital 0–100	-	47.7 ↓	93	New Zealand
1.05 Social capital 0–100 (best)	47.7	47.7 ↓	85	New Zealand
Checks and balances 0–100	-	35.3 ↓	122	Finland
1.06 Budget transparency 0–100 (best)	23	23.0	80	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.8	30.4 ↓	113	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.8	30.1 ↑	104	Finland
1.09 Freedom of the press 0–100 (worst)	42.2	57.8 ↓	104	Norway
Public-sector performance 0–100	-	30.1 ↑	134	Singapore
1.10 Burden of government regulation 1–7 (best)	2.4	24.1 ↑	132	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.3	38.6 ↓	92	Singapore
1.12 E-Participation 0–1 (best)	0.28	27.5 =	126	Multiple (3)
Transparency 0–100	-	22.0 =	133	Denmark
1.13 Incidence of corruption 0–100 (best)	22.0	22.0 =	133	Denmark
Property rights 0–100	-	35.4 ↑	127	Finland
1.14 Property rights 1–7 (best)	2.8	30.6 ↑	137	Finland
1.15 Intellectual property protection 1–7 (best)	3.5	42.2 ↑	109	Finland
1.16 Quality of land administration 0–30 (best)	10.0	33.3 =	103	Multiple (5)
Corporate governance 0–100	-	56.8 ↓	84	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.8	63.5 ↓	64	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.0	50.0 =	97	Kenya
1.19 Shareholder governance 0–10 (best)	5.7	57.0 =	75	Kazakhstan
Future orientation of government 0–100	-	36.8	130	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.6	27.2	131	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.6	26.8	127	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.5	25.2	128	United States
1.23 Government long-term vision 1–7 (best)	3.4	39.2	92	Singapore
1.24 Energy efficiency regulation 0–100 (best)	22.7	22.7	96	Italy
1.25 Renewable energy regulation 0–100 (best)	44.0	44.0	79	Germany
1.26 Environment-related treaties in force count (out of 29)	19	65.5	107	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	39.8 ↓	129	Singapore
Transport infrastructure 0–100	-	35.7 ↑	117	Singapore
2.01 Road connectivity 0–100 (best)	85.9	85.9 ↑	39	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.8	30.6 ↑	122	Singapore
2.03 Railroad density km/1,000 km ²	7.1	17.8 ↑	62	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	1.9	15.2 ↑	96	Japan
2.05 Airport connectivity score	3,605.3	22.5 =	123	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.5	42.1 ↑	119	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)	3.1	34.6 =	112	Singapore
Utility infrastructure 0–100	-	43.9 ↓	130	Iceland
2.09 Electricity access % of population	33.6	33.6 ↓	127	Multiple (67)
2.10 Electricity supply quality % of output	17.2	86.2 ↓	104	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	66.6	34.1 ↓	120	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	2.3	21.5 ↓	135	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	37.4 ↑	112	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	89.4	74.5 ↑	114	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	52.3	N/Appl.	102	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	1.4	2.8 ↑	108	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.2	N/Appl.	85	Korea, Rep.
3.05 Internet users % of adult population	27.1	27.1 ↑	115	Qatar
 4th pillar: Macroeconomic stability 0–100	-	72.6 ↑	97	Multiple (33)
4.01 Inflation %	5.8	95.1 ↓	115	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 5th pillar: Health 0–100	-	41.1 ↑	135	Multiple (4)
5.01 Healthy life expectancy years	53.2	41.1 ↑	134	Multiple (4)
 6th pillar: Skills 0–100	-	48.8 ↑	110	Switzerland
Current workforce 0–100	-	51.7 ↑	88	Switzerland
6.01 Mean years of schooling years	8.1	54.3 ↑	91	Germany
Skills of current workforce 0–100	-	49.0 ↑	89	Switzerland
6.02 Extent of staff training 1–7 (best)	3.8	47.4 ↑	83	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.6	43.8 ↑	105	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.0	49.2 ↑	81	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.9	48.3 ↑	86	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.4	56.3 ↑	56	United States
Future workforce 0–100	-	46.0 ↑	119	Denmark
6.07 School life expectancy years	10.2	56.7 =	108	Multiple (11)
Skills of future workforce 0–100	-	35.3 ↑	118	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.2	36.7 ↑	91	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	36.4	34.0 =	119	Multiple (5)
 7th pillar: Product market 0–100	-	38.3 ↑	136	Hong Kong SAR
Domestic competition 0–100	-	41.8 ↓	125	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.0	33.5 ↓	127	Singapore
7.02 Extent of market dominance 1–7 (best)	3.1	34.5 ↑	120	Switzerland
7.03 Competition in services 1–7 (best)	4.4	57.3 ↓	112	Hong Kong SAR
Trade openness 0–100	-	34.8 ↑	141	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.1	52.0 ↑	101	Singapore
7.05 Trade tariffs %	14.55	3.0	137	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	4.5	59.2 ↑	99	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.0	25.0 =	131	Germany
 8th pillar: Labour market 0–100	-	52.0 ↑	115	Singapore
Flexibility 0–100	-	42.5 ↑	138	Singapore
8.01 Redundancy costs weeks of salary	25.3	55.6 ↓	111	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	2.8	29.6 ↑	132	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.3	55.5 ↑	83	Singapore
8.04 Flexibility of wage determination 1–7 (best)	3.1	35.5 ↑	137	Estonia
8.05 Active labour market policies 1–7 (best)	1.8	13.1 ↑	136	Switzerland
8.06 Workers' rights 0–100 (best)	57.0	57.0 ↓	113	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	2.7	28.3 ↑	140	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	65.4 ↑	35	United States
Meritocracy and incentivization 0–100	-	61.5 ↑	76	Denmark
8.09 Reliance on professional management 1–7 (best)	5.0	66.3 ↑	33	Finland
8.10 Pay and productivity 1–7 (best)	3.5	41.3 ↑	110	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.51	38.5 ↑	96	Multiple (4)
8.12 Labour tax rate %	5.6	100.0 =	19	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	48.0 ↓	120	Hong Kong SAR
Depth 0–100	-	21.0 ↓	122	United States
9.01 Domestic credit to private sector % GDP	22.4	23.5 ↓	113	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.0	32.8 ↑	123	Finland
9.03 Venture capital availability 1–7 (best)	2.1	17.6 ↑	130	United States
9.04 Market capitalization % GDP	10.5	10.5 ↓	93	Multiple (15)
9.05 Insurance premium volume to GDP	n/a	20.6 ↑	n/a	Multiple (17)
Stability 0–100	-	81.7 ↑	111	Finland
9.06 Soundness of banks 1–7 (best)	3.4	40.3 ↑	128	Finland
9.07 Non-performing loans % of gross total loans	7.2	86.5 ↓	85	Multiple (3)
9.08 Credit gap %	-6.8	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	25.8	100.0 =	6	Multiple (74)
 10th pillar: Market size 0–100	-	38.2 ↑	115	China
10.01 Gross domestic product PPP \$ billions	38	N/Appl.	108	China
10.02 Imports of goods and services % GDP	20.9	N/Appl.	129	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	45.8 ↑	129	United States
Administrative requirements 0–100	-	40.9 ↑	135	United States
11.01 Cost of starting a business % of GNI per capita	110.7	44.7 ↓	135	Multiple (2)
11.02 Time to start a business days	32.0	68.3 ↑	120	New Zealand
11.03 Insolvency recovery rate cents to the dollar	18.0	19.4 ↓	120	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 =	120	Multiple (6)
Entrepreneurial culture 0–100	-	50.7 ↑	66	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.2	53.9 ↑	50	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.6	59.7 ↑	48	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.0	50.0 ↑	82	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	39.4 ↑	100	Israel
 12th pillar: Innovation capability 0–100	-	27.2 ↑	126	Germany
Interaction and diversity 0–100	-	31.7 ↑	115	Singapore
12.01 Diversity of workforce 1–7 (best)	4.4	56.6 ↑	73	Singapore
12.02 State of cluster development 1–7 (best)	2.9	31.4 ↑	129	Italy
12.03 International co-inventions per million pop.	0.04	1.2 ↑	94	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	37.4 ↑	111	Israel
Research and development 0–100	-	20.8 ↑	100	Japan
12.05 Scientific publications score	119.3	70.9 ↑	87	Multiple (9)
12.06 Patent applications per million pop.	0.04	0.7 ↑	107	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	0.4 ↓	107	Multiple (7)
Commercialization 0–100	-	30.9 ↑	128	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.8	30.4 ↑	119	Korea, Rep.
12.10 Trademark applications per million pop.	17.51	31.4 ↓	122	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/>