

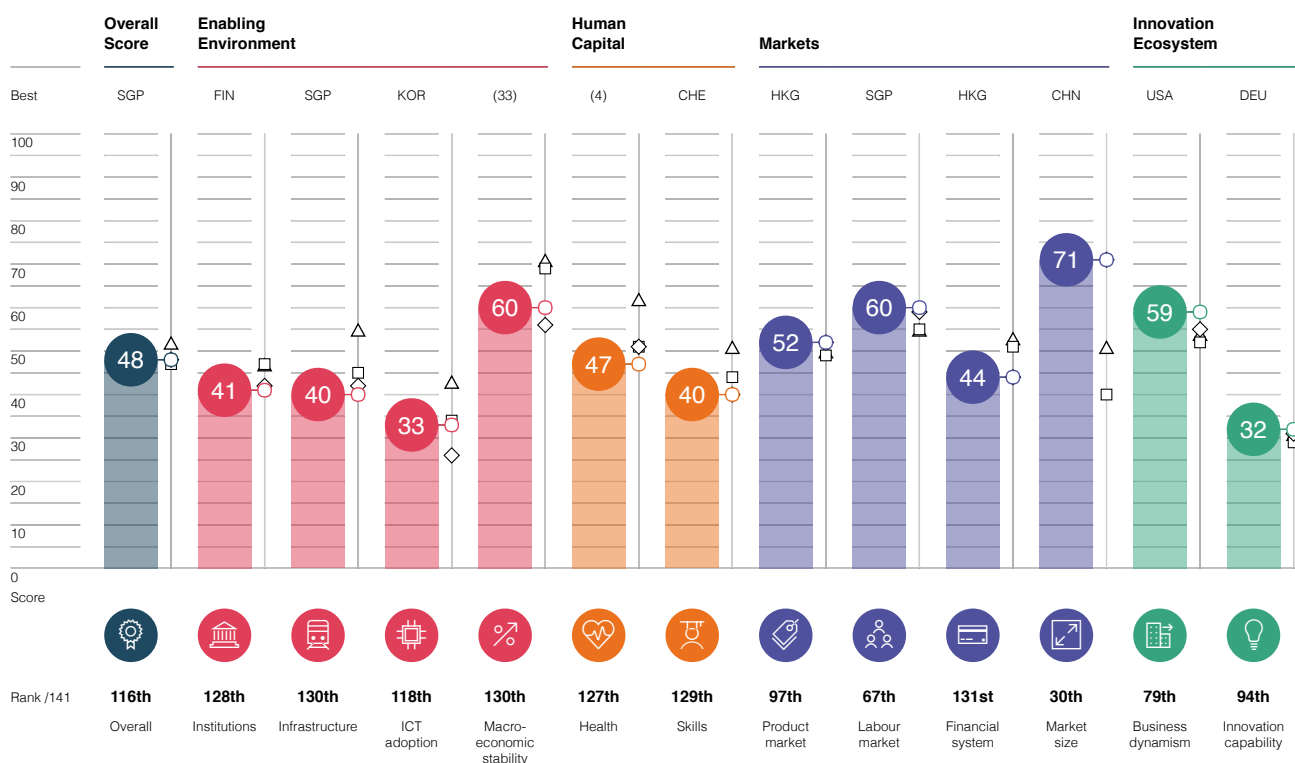
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 115th/140

Performance Overview Key

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

2019






Selected contextual indicators

Population millions	193.9	GDP (PPP) % world GDP	0.86
GDP per capita US\$	2,049.1	5-year average FDI inward flow % GDP	0.8
10-year average annual GDP growth %	3.5		

Social and environmental performance

Environmental footprint gha/capita	1.0	Global Gender Gap Index 0-1 (gender parity)	0.6
Renewable energy consumption share %	86.6	Income Gini 0 (perfect equality) -100 (perfect inequality)	43.0
Unemployment rate %	6.0		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	41.4 ↓	128	Finland
Security 0–100	-	42.7 ↑	136	Finland
1.01 Organized crime 1–7 (best)	3.5	42.2 ↓	119	Finland
1.02 Homicide rate per 100,000 pop.	1.1	97.9 ↑	39	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	0.0	0.0 =	140	Multiple (25)
1.04 Reliability of police services 1–7 (best)	2.8	30.5 ↓	130	Finland
Social capital 0–100	-	54.1 ↓	48	New Zealand
1.05 Social capital 0–100 (best)	54.1	54.1 ↓	44	New Zealand
Checks and balances 0–100	-	35.5 ↓	121	Finland
1.06 Budget transparency 0–100 (best)	17	17.0	83	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.1	34.6 ↓	99	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.6	27.0 ↑	119	Finland
1.09 Freedom of the press 0–100 (worst)	36.5	63.5 ↑	98	Norway
Public-sector performance 0–100	-	37.0 ↑	120	Singapore
1.10 Burden of government regulation 1–7 (best)	2.7	28.5 ↓	122	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.1	34.3 ↑	103	Singapore
1.12 E-Participation 0–1 (best)	0.48	48.3 =	105	Multiple (3)
Transparency 0–100	-	27.0 =	121	Denmark
1.13 Incidence of corruption 0–100 (best)	27.0	27.0 =	121	Denmark
Property rights 0–100	-	33.8 ↓	129	Finland
1.14 Property rights 1–7 (best)	3.6	44.0 ↓	115	Finland
1.15 Intellectual property protection 1–7 (best)	3.0	33.3 ↓	132	Finland
1.16 Quality of land administration 0–30 (best)	7.2	24.0 ↓	123	Multiple (5)
Corporate governance 0–100	-	64.2 ↑	48	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.6	59.7 ↑	76	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.0	70.0 =	27	Kenya
1.19 Shareholder governance 0–10 (best)	6.3	63.0 =	55	Kazakhstan
Future orientation of government 0–100	-	37.2	128	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.2	36.1	113	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.7	28.9	124	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.5	25.5	127	United States
1.23 Government long-term vision 1–7 (best)	3.1	35.8	103	Singapore
1.24 Energy efficiency regulation 0–100 (best)	18.5	18.5	98	Italy
1.25 Renewable energy regulation 0–100 (best)	30.4	30.4	97	Germany
1.26 Environment-related treaties in force count (out of 29)	23	79.3	56	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	39.7 ↓	130	Singapore
Transport infrastructure 0–100	-	31.6 ↑	130	Singapore
2.01 Road connectivity 0–100 (best)	77.5	77.5 ↑	63	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.5	25.5 ↑	130	Singapore
2.03 Railroad density km/1,000 km ²	4.2	10.4 ↑	73	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	1.8	13.2 ↑	98	Japan
2.05 Airport connectivity score	26,395.1	43.2 =	78	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.4	39.6 ↑	125	Singapore
2.07 Liner shipping connectivity 0–100 (best)	19.0	19.0 ↓	68	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	2.5	24.7 ↓	122	Singapore
Utility infrastructure 0–100	-	47.8 ↓	124	Iceland
2.09 Electricity access % of population	59.8	59.8 ↓	117	Multiple (67)
2.10 Electricity supply quality % of output	15.0	88.5 ↑	94	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	75.6	24.9 ↓	132	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	2.1	17.8 ↑	138	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	33.4 ↑	118	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	88.2	73.5 ↑	117	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	30.7	N/Appl.	120	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.0	0.1 ↓	136	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	116	Korea, Rep.
3.05 Internet users % of adult population	42.0	42.0 ↑	102	Qatar
 4th pillar: Macroeconomic stability 0–100	-	60.3 ↑	130	Multiple (33)
4.01 Inflation %	14.3	71.4 ↑	134	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.2	49.2 ↑	100	Multiple (34)
 5th pillar: Health 0–100	-	47.2 ↓	127	Multiple (4)
5.01 Healthy life expectancy years	55.1	47.2 ↓	126	Multiple (4)
 6th pillar: Skills 0–100	-	40.1 ↓	129	Switzerland
Current workforce 0–100	-	42.4 ↑	118	Switzerland
6.01 Mean years of schooling years	6.9	46.0 =	105	Germany
Skills of current workforce 0–100	-	38.8 ↑	132	Switzerland
6.02 Extent of staff training 1–7 (best)	3.6	44.1 ↓	102	Switzerland
6.03 Quality of vocational training 1–7 (best)	2.8	30.5 ↓	139	Switzerland
6.04 Skillset of graduates 1–7 (best)	2.8	29.8 ↓	139	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.4	40.4 ↑	122	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.9	49.1 ↑	97	United States
Future workforce 0–100	-	37.8 ↓	133	Denmark
6.07 School life expectancy years	8.7	48.2 =	117	Multiple (11)
Skills of future workforce 0–100	-	27.4 ↓	128	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.4	23.7 ↓	135	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	37.6	31.1 =	120	Multiple (5)
 7th pillar: Product market 0–100	-	51.6 ↓	97	Hong Kong SAR
Domestic competition 0–100	-	50.3 ↑	84	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.0	33.9 ↓	125	Singapore
7.02 Extent of market dominance 1–7 (best)	3.9	47.9 ↑	58	Switzerland
7.03 Competition in services 1–7 (best)	5.1	69.1 ↓	55	Hong Kong SAR
Trade openness 0–100	-	52.8 ↓	102	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.8	63.1 ↑	36	Singapore
7.05 Trade tariffs %	10.56	29.6 ↓	117	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	94.5 =	19	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.0	24.2 =	132	Germany
 8th pillar: Labour market 0–100	-	60.2 ↑	67	Singapore
Flexibility 0–100	-	62.4 ↑	41	Singapore
8.01 Redundancy costs weeks of salary	3.2	100.0 =	7	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.6	60.6 ↑	18	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.0	50.3 ↑	110	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.6	77.2 ↑	21	Estonia
8.05 Active labour market policies 1–7 (best)	2.1	18.5 ↓	126	Switzerland
8.06 Workers' rights 0–100 (best)	65.0	65.0 ↑	91	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.5	58.8 ↓	35	Albania
8.08 Internal labour mobility 1–7 (best)	5.1	68.9 ↑	15	United States
Meritocracy and incentivization 0–100	-	58.0 ↑	93	Denmark
8.09 Reliance on professional management 1–7 (best)	4.5	58.7 ↑	52	Finland
8.10 Pay and productivity 1–7 (best)	3.7	45.2 ↑	86	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.49	35.9 ↑	102	Multiple (4)
8.12 Labour tax rate %	13.5	92.4 =	55	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	44.2 ↑	131	Hong Kong SAR
Depth 0–100	-	15.3 ↑	135	United States
9.01 Domestic credit to private sector % GDP	14.7	15.5 ↓	129	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.8	30.2 ↑	127	Finland
9.03 Venture capital availability 1–7 (best)	2.0	16.9 ↑	133	United States
9.04 Market capitalization % GDP	9.1	9.1 ↓	95	Multiple (15)
9.05 Insurance premium volume to GDP	0.3	4.9 ↓	125	Multiple (17)
Stability 0–100	-	80.2 ↓	117	Finland
9.06 Soundness of banks 1–7 (best)	4.3	55.3 ↑	103	Finland
9.07 Non-performing loans % of gross total loans	14.8	71.1 ↓	126	Multiple (3)
9.08 Credit gap %	-1.6	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	14.3	94.5 ↓	114	Multiple (74)
 10th pillar: Market size 0–100	-	71.1 ↑	30	China
10.01 Gross domestic product PPP \$ billions	1,039	N/Appl.	24	China
10.02 Imports of goods and services % GDP	18.2	N/Appl.	135	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	58.5 ↑	79	United States
Administrative requirements 0–100	-	59.1 ↑	113	United States
11.01 Cost of starting a business % of GNI per capita	27.6	86.2 ↑	116	Multiple (2)
11.02 Time to start a business days	10.9	89.5 ↑	64	New Zealand
11.03 Insolvency recovery rate cents to the dollar	27.5	29.6 ↓	100	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 =	120	Multiple (6)
Entrepreneurial culture 0–100	-	57.9 ↑	31	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	5.2	69.8 ↑	4	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.7	62.4 ↑	41	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.2	53.0 ↑	57	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.8	46.6 ↑	58	Israel
 12th pillar: Innovation capability 0–100	-	32.2 ↑	94	Germany
Interaction and diversity 0–100	-	35.2 ↑	97	Singapore
12.01 Diversity of workforce 1–7 (best)	4.4	57.4 ↓	70	Singapore
12.02 State of cluster development 1–7 (best)	3.8	46.3 ↑	73	Italy
12.03 International co-inventions per million pop.	0.00	0.1 ↓	120	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	37.0 ↑	114	Israel
Research and development 0–100	-	23.6 ↑	78	Japan
12.05 Scientific publications score	166.7	75.9 ↑	67	Multiple (9)
12.06 Patent applications per million pop.	0.01	0.1 ↑	124	Multiple (8)
12.07 R&D expenditures % GDP	n/a	11.1 ↑	n/a	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.03	7.2 ↑	50	Multiple (7)
Commercialization 0–100	-	43.2 ↓	110	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.2	36.9 ↓	97	Korea, Rep.
12.10 Trademark applications per million pop.	n/a	49.6 ↓	n/a	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/>