

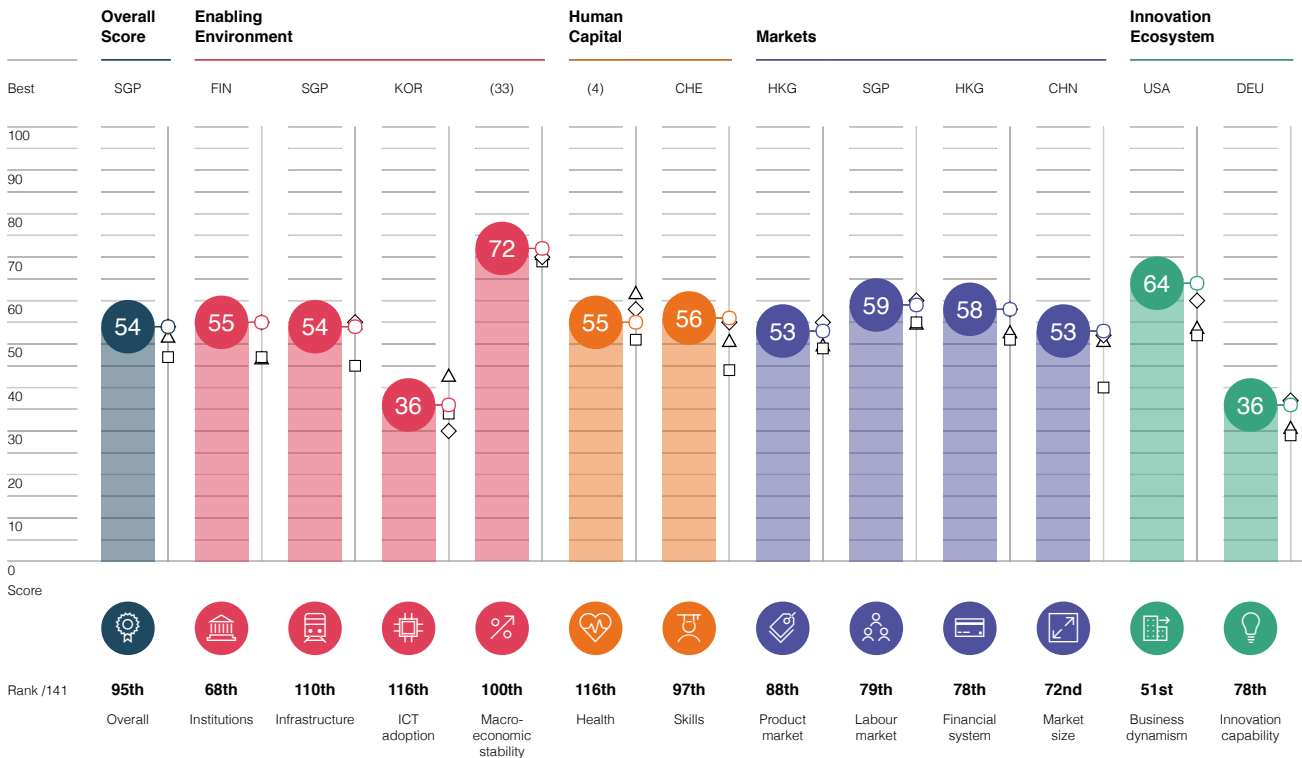
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 93rd/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	48.0	GDP (PPP) % world GDP	0.13
GDP per capita US\$	1,857.2	5-year average FDI inward flow % GDP	1.4
10-year average annual GDP growth %	5.1		

Social and environmental performance

Environmental footprint gha/capita	1.6	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	72.7	Income Gini 0 (perfect equality) -100 (perfect inequality)	40.8
Unemployment rate %	9.3		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	54.7 ↑	68	Finland
Security 0–100	-	65.7 ↓	109	Finland
1.01 Organized crime 1–7 (best)	3.5	42.4 ↓	118	Finland
1.02 Homicide rate per 100,000 pop.	5.0	84.7 ↓	94	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	87.0	87.0 =	126	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.9	48.6 ↓	95	Finland
Social capital 0–100	-	59.3 ↓	23	New Zealand
1.05 Social capital 0–100 (best)	59.3	59.3 ↓	23	New Zealand
Checks and balances 0–100	-	50.6 ↓	58	Finland
1.06 Budget transparency 0–100 (best)	46	46.0	52	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.8	46.7 ↓	73	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.5	42.2 ↓	62	Finland
1.09 Freedom of the press 0–100 (worst)	32.4	67.6 ↓	79	Norway
Public-sector performance 0–100	-	49.6 ↓	80	Singapore
1.10 Burden of government regulation 1–7 (best)	3.9	47.8 ↓	43	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.9	47.7 ↓	67	Singapore
1.12 E-Participation 0–1 (best)	0.53	53.4 =	101	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	-	53.8 ↓	70	Finland
1.14 Property rights 1–7 (best)	4.4	56.1 ↓	69	Finland
1.15 Intellectual property protection 1–7 (best)	4.1	52.1 ↓	69	Finland
1.16 Quality of land administration 0–30 (best)	16.0	53.3 =	70	Multiple (5)
Corporate governance 0–100	-	71.5 ↑	25	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.5	57.6 ↓	84	Finland
1.18 Conflict of interest regulation 0–10 (best)	9.7	97.0 ↑	1	Kenya
1.19 Shareholder governance 0–10 (best)	6.0	60.0 ↑	64	Kazakhstan
Future orientation of government 0–100	-	59.6	45	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	4.4	57.1	49	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	4.1	51.4	45	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.2	53.3	35	United States
1.23 Government long-term vision 1–7 (best)	4.8	63.1	22	Singapore
1.24 Energy efficiency regulation 0–100 (best)	50.5	50.5	54	Italy
1.25 Renewable energy regulation 0–100 (best)	56.0	56.0	51	Germany
1.26 Environment-related treaties in force count (out of 29)	24	82.8	36	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	53.6 ↓	110	Singapore
Transport infrastructure 0–100	-	47.2 ↑	81	Singapore
2.01 Road connectivity 0–100 (best)	72.1	72.1 ↑	82	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.1	51.9 ↓	64	Singapore
2.03 Railroad density km/1,000 km[2]	6.7	16.7 ↑	64	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	4.0	50.6 ↑	38	Japan
2.05 Airport connectivity score	28,294.2	44.1 =	74	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.0	67.0 ↑	50	Singapore
2.07 Liner shipping connectivity 0–100 (best)	21.2	21.2 ↑	64	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.2	54.0 ↓	66	Singapore
Utility infrastructure 0–100	-	60.0 ↓	115	Iceland
2.09 Electricity access % of population	73.4	73.4 ↑	112	Multiple (67)
2.10 Electricity supply quality % of output	19.5	83.9 ↑	114	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	61.9	38.9 ↓	113	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.6	43.9 ↓	116	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	35.7 ↑	116	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	96.3	80.3 ↑	107	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	41.9	N/Appl.	112	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.7	1.4 ↑	114	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.2	N/Appl.	87	Korea, Rep.
3.05 Internet users % of adult population	17.8	17.8 ↑	129	Qatar
 4th pillar: Macroeconomic stability 0–100	-	71.8 ↑	100	Multiple (33)
4.01 Inflation %	6.3	93.5 ↑	118	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 5th pillar: Health 0–100	-	55.1 ↓	116	Multiple (4)
5.01 Healthy life expectancy years	57.6	55.1 ↓	115	Multiple (4)
 6th pillar: Skills 0–100	-	56.3 ↑	97	Switzerland
Current workforce 0–100	-	56.3 ↓	74	Switzerland
6.01 Mean years of schooling years	8.4	56.0 =	87	Germany
Skills of current workforce 0–100	-	56.6 ↓	43	Switzerland
6.02 Extent of staff training 1–7 (best)	4.2	53.1 ↓	53	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.3	54.4 ↑	58	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.1	51.8 ↓	66	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.5	59.1 ↓	49	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.9	64.4 ↓	22	United States
Future workforce 0–100	-	56.3 ↑	102	Denmark
6.07 School life expectancy years	n/a	68.5 ↑	n/a	Multiple (11)
Skills of future workforce 0–100	-	44.1 ↓	105	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.4	39.9 ↓	75	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	30.7	48.4 =	111	Multiple (5)
 7th pillar: Product market 0–100	-	52.9 ↓	88	Hong Kong SAR
Domestic competition 0–100	-	53.0 ↓	72	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.7	45.3 ↓	73	Singapore
7.02 Extent of market dominance 1–7 (best)	3.7	44.5 ↓	79	Switzerland
7.03 Competition in services 1–7 (best)	5.2	69.3 ↓	51	Hong Kong SAR
Trade openness 0–100	-	52.7 ↓	103	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.1	51.7 ↓	104	Singapore
7.05 Trade tariffs %	10.35	31.0 ↑	113	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.2	86.8 ↑	58	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.7	41.3 =	66	Germany
 8th pillar: Labour market 0–100	-	58.9 ↓	79	Singapore
Flexibility 0–100	-	58.2 ↓	66	Singapore
8.01 Redundancy costs weeks of salary	15.7	75.6 ↓	69	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.1	51.6 ↓	44	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.3	54.5 ↓	91	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.0	66.4 ↑	69	Estonia
8.05 Active labour market policies 1–7 (best)	3.0	34.1 ↓	84	Switzerland
8.06 Workers' rights 0–100 (best)	66.0	66.0 ↑	89	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.0	50.3 ↓	81	Albania
8.08 Internal labour mobility 1–7 (best)	5.0	67.1 ↓	21	United States
Meritocracy and incentivization 0–100	-	59.5 ↑	85	Denmark
8.09 Reliance on professional management 1–7 (best)	4.5	58.0 ↓	57	Finland
8.10 Pay and productivity 1–7 (best)	4.3	54.3 ↓	50	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.41	25.8 ↑	113	Multiple (4)
8.12 Labour tax rate %	1.9	100.0 =	8	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	58.0 ↑	78	Hong Kong SAR
Depth 0–100	-	36.9 ↓	72	United States
9.01 Domestic credit to private sector % GDP	32.1	33.8 ↓	95	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.9	48.7 ↓	68	Finland
9.03 Venture capital availability 1–7 (best)	3.0	33.7 ↑	79	United States
9.04 Market capitalization % GDP	30.4	30.4 ↑	62	Multiple (15)
9.05 Insurance premium volume to GDP	2.3	38.2 ↓	53	Multiple (17)
Stability 0–100	-	84.4 ↑	94	Finland
9.06 Soundness of banks 1–7 (best)	4.4	57.0 ↑	99	Finland
9.07 Non-performing loans % of gross total loans	10.1	80.6 ↑	109	Multiple (3)
9.08 Credit gap %	-3.3	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	19.5	100.0 =	37	Multiple (74)
 10th pillar: Market size 0–100	-	52.7 ↑	72	China
10.01 Gross domestic product PPP \$ billions	158	N/Appl.	70	China
10.02 Imports of goods and services % GDP	23.2	N/Appl.	124	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	63.9 ↑	51	United States
Administrative requirements 0–100	-	69.9 ↑	71	United States
11.01 Cost of starting a business % of GNI per capita	24.9	87.6 ↑	114	Multiple (2)
11.02 Time to start a business days	23.0	77.4 ↑	107	New Zealand
11.03 Insolvency recovery rate cents to the dollar	31.2	33.6 ↑	86	Japan
11.04 Insolvency regulatory framework 0–16 (best)	13.0	81.3 ↑	17	Multiple (6)
Entrepreneurial culture 0–100	-	57.9 ↓	32	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.8	62.7 ↑	15	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.5	58.5 ↓	56	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.7	61.8 ↓	27	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.9	48.7 ↑	49	Israel
 12th pillar: Innovation capability 0–100	-	36.3 ↓	78	Germany
Interaction and diversity 0–100	-	41.3 ↓	61	Singapore
12.01 Diversity of workforce 1–7 (best)	4.5	57.9 ↓	66	Singapore
12.02 State of cluster development 1–7 (best)	4.2	53.5 ↓	40	Italy
12.03 International co-inventions per million pop.	0.04	1.1 ↓	97	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.2	52.7 ↓	38	Israel
Research and development 0–100	-	27.9 ↑	62	Japan
12.05 Scientific publications score	216.7	79.7 ↑	54	Multiple (9)
12.06 Patent applications per million pop.	0.13	2.2 ↓	95	Multiple (8)
12.07 R&D expenditures % GDP	0.8	26.2 ↑	47	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	3.6 ↑	63	Multiple (7)
Commercialization 0–100	-	43.1 ↑	111	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.3	38.1 ↑	92	Korea, Rep.
12.10 Trademark applications per million pop.	86.05	48.0 ↓	107	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/>