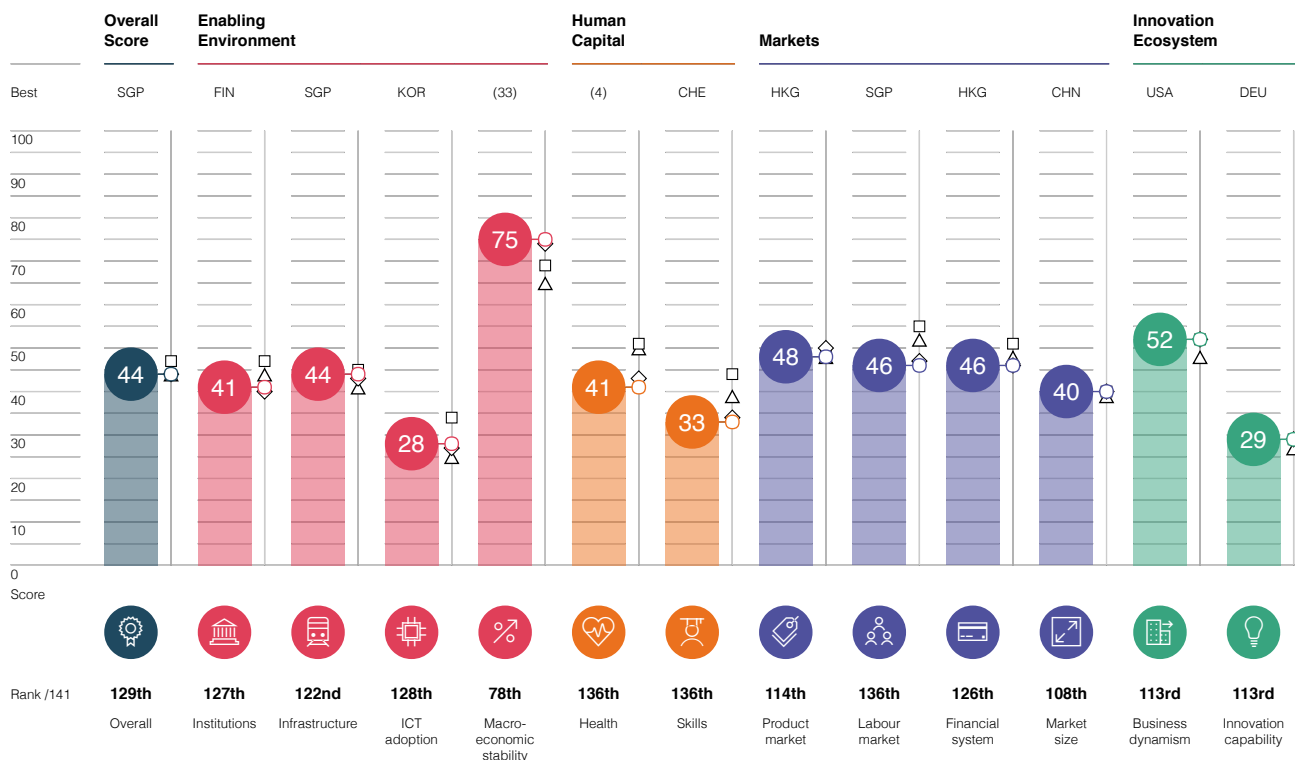


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 125th/140

Performance Overview 2019 Key ◇ Previous edition △ Low-income group average □ Sub-Saharan Africa average





Selected contextual indicators

Population millions	18.5	GDP (PPP) % world GDP	0.03
GDP per capita US\$	926.9	5-year average FDI inward flow % GDP	2.3
10-year average annual GDP growth %	3.8		

Social and environmental performance

Environmental footprint gha/capita	1.3	Global Gender Gap Index 0-1 (gender parity)	0.6
Renewable energy consumption share %	61.5	Income Gini 0 (perfect equality) -100 (perfect inequality)	33.0
Unemployment rate %	9.6		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	41.5 ↑	127	Finland
Security 0–100	-	63.3 ↑	114	Finland
1.01 Organized crime 1–7 (best)	3.2	36.3 ↑	130	Finland
1.02 Homicide rate per 100,000 pop.	0.3	100.0 ↑	5	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	77.3	77.3 =	131	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.4	39.6 ↑	113	Finland
Social capital 0–100	-	46.6 ↓	102	New Zealand
1.05 Social capital 0–100 (best)	46.6	46.6 ↓	94	New Zealand
Checks and balances 0–100	-	43.0 ↑	97	Finland
1.06 Budget transparency 0–100 (best)	39	39.0	66	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.9	32.2 ↓	109	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.2	36.1 ↓	82	Finland
1.09 Freedom of the press 0–100 (worst)	35.2	64.8 ↑	91	Norway
Public-sector performance 0–100	-	34.1 ↓	125	Singapore
1.10 Burden of government regulation 1–7 (best)	3.4	40.1 ↑	78	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.3	38.0 ↑	95	Singapore
1.12 E-Participation 0–1 (best)	0.24	24.2 =	127	Multiple (3)
Transparency 0–100	-	32.0 ↑	104	Denmark
1.13 Incidence of corruption 0–100 (best)	32.0	32.0 ↑	104	Denmark
Property rights 0–100	-	36.8 ↑	124	Finland
1.14 Property rights 1–7 (best)	3.6	43.1 ↑	118	Finland
1.15 Intellectual property protection 1–7 (best)	3.4	40.6 ↑	113	Finland
1.16 Quality of land administration 0–30 (best)	8.0	26.7 =	115	Multiple (5)
Corporate governance 0–100	-	39.4 ↓	131	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.3	38.3 ↓	134	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	-	36.7	131	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.4	40.0	103	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.2	36.5	101	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.3	38.2	92	United States
1.23 Government long-term vision 1–7 (best)	3.3	38.1	96	Singapore
1.24 Energy efficiency regulation 0–100 (best)	12.4	12.4	105	Italy
1.25 Renewable energy regulation 0–100 (best)	17.0	17.0	109	Germany
1.26 Environment-related treaties in force count (out of 29)	22	75.9	69	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	43.9 ↑	122	Singapore
Transport infrastructure 0–100	-	44.2 ↑	89	Singapore
2.01 Road connectivity 0–100 (best)	69.7	69.7 ↑	87	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.2	36.5 ↓	109	Singapore
2.03 Railroad density km/1,000 km ²	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	2,524.9	19.7 =	126	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.1	51.0 ↑	99	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)	2.2	20.5 ↓	128	Singapore
Utility infrastructure 0–100	-	43.5 ↓	131	Iceland
2.09 Electricity access % of population	38.3	38.3 ↓	125	Multiple (67)
2.10 Electricity supply quality % of output	n/a	84.1 ↓	n/a	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	75.7	24.8 ↓	133	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	2.6	26.9 ↓	127	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	27.9 ↑	128	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	115.1	95.9 ↑	76	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	30.3	N/Appl.	122	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.6	1.3 ↑	118	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	125	Korea, Rep.
3.05 Internet users % of adult population	13.0	13.0 ↑	136	Qatar
 4th pillar: Macroeconomic stability 0–100	-	74.9 ↑	78	Multiple (33)
4.01 Inflation %	1.7	100.0 ↑	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.8	49.8 ↑	90	Multiple (34)
 5th pillar: Health 0–100	-	41.0 ↓	136	Multiple (4)
5.01 Healthy life expectancy years	53.1	41.0 ↓	135	Multiple (4)
 6th pillar: Skills 0–100	-	32.8 ↓	136	Switzerland
Current workforce 0–100	-	28.1 ↓	136	Switzerland
6.01 Mean years of schooling years	1.6	10.4 ↓	140	Germany
Skills of current workforce 0–100	-	45.7 ↓	104	Switzerland
6.02 Extent of staff training 1–7 (best)	3.6	42.5 ↓	114	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.7	45.8 ↓	96	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.9	47.8 ↑	83	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.6	43.3 ↓	110	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.0	49.3 ↓	95	United States
Future workforce 0–100	-	37.5 ↓	135	Denmark
6.07 School life expectancy years	7.3	40.8 =	124	Multiple (11)
Skills of future workforce 0–100	-	34.2 ↓	119	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.3	39.0 ↓	80	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	38.2	29.4 ↑	121	Multiple (5)
 7th pillar: Product market 0–100	-	48.1 ↓	114	Hong Kong SAR
Domestic competition 0–100	-	45.8 ↓	109	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.2	36.1 ↑	115	Singapore
7.02 Extent of market dominance 1–7 (best)	3.8	46.8 ↓	67	Switzerland
7.03 Competition in services 1–7 (best)	4.3	54.6 ↑	122	Hong Kong SAR
Trade openness 0–100	-	50.3 ↓	118	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.7	45.6 ↑	128	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)	2.2	28.8 =	125	Germany
 8th pillar: Labour market 0–100	-	46.1 ↓	136	Singapore
Flexibility 0–100	-	55.5 ↑	85	Singapore
8.01 Redundancy costs weeks of salary	13.6	80.0 ↑	55	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.9	48.9 ↑	65	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.9	47.5 ↑	117	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.3	54.5 ↑	125	Estonia
8.05 Active labour market policies 1–7 (best)	3.0	33.2 ↓	87	Switzerland
8.06 Workers' rights 0–100 (best)	71.0	71.0 ↓	70	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.9	48.8 ↑	87	Albania
8.08 Internal labour mobility 1–7 (best)	4.6	60.4 ↑	60	United States
Meritocracy and incentivization 0–100	-	36.6 ↓	140	Denmark
8.09 Reliance on professional management 1–7 (best)	3.3	38.7 ↓	130	Finland
8.10 Pay and productivity 1–7 (best)	3.2	36.0 ↓	128	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.27	8.3 ↓	127	Multiple (4)
8.12 Labour tax rate %	34.3	63.5 =	129	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	46.3 ↑	126	Hong Kong SAR
Depth 0–100	-	21.9 ↑	121	United States
9.01 Domestic credit to private sector % GDP	26.2	27.5 ↑	109	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.3	38.9 ↓	117	Finland
9.03 Venture capital availability 1–7 (best)	2.7	28.1 ↓	97	United States
9.04 Market capitalization % GDP	5.7	5.7	101	Multiple (15)
9.05 Insurance premium volume to GDP	0.6	9.4 ↑	119	Multiple (17)
Stability 0–100	-	76.8 ↓	127	Finland
9.06 Soundness of banks 1–7 (best)	3.7	45.3 ↑	122	Finland
9.07 Non-performing loans % of gross total loans	17.5	65.7 ↓	129	Multiple (3)
9.08 Credit gap %	1.9	100.0 ↑	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.2	96.4 ↓	99	Multiple (74)
 10th pillar: Market size 0–100	-	39.9 ↑	108	China
10.01 Gross domestic product PPP \$ billions	39	N/Appl.	104	China
10.02 Imports of goods and services % GDP	38.0	N/Appl.	86	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	51.8 ↑	113	United States
Administrative requirements 0–100	-	62.0 ↓	97	United States
11.01 Cost of starting a business % of GNI per capita	56.8	71.6 ↑	132	Multiple (2)
11.02 Time to start a business days	11.0	89.4 ↓	65	New Zealand
11.03 Insolvency recovery rate cents to the dollar	28.5	30.7 ↑	94	Japan
11.04 Insolvency regulatory framework 0–16 (best)	9.0	56.3 =	75	Multiple (6)
Entrepreneurial culture 0–100	-	41.6 ↑	120	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.5	42.2 ↑	116	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.6	43.3 ↑	126	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.6	42.7 ↑	111	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.3	38.0 ↑	112	Israel
 12th pillar: Innovation capability 0–100	-	29.0 ↓	113	Germany
Interaction and diversity 0–100	-	34.7 ↑	100	Singapore
12.01 Diversity of workforce 1–7 (best)	4.0	50.2 ↑	112	Singapore
12.02 State of cluster development 1–7 (best)	3.7	44.5 ↓	81	Italy
12.03 International co-inventions per million pop.	0.01	0.2 ↓	118	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.6	44.1 ↑	76	Israel
Research and development 0–100	-	19.1 ↓	117	Japan
12.05 Scientific publications score	88.0	66.5 ↑	107	Multiple (9)
12.06 Patent applications per million pop.	0.01	0.1 ↓	126	Multiple (8)
12.07 R&D expenditures % GDP	0.3	9.8 ↓	83	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
Commercialization 0–100	-	37.3 ↑	118	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.4	23.7 ↓	135	Korea, Rep.
12.10 Trademark applications per million pop.	113.00	51.0 ↑	106	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/>