

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 122nd/140

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






Selected contextual indicators

Population millions	94.1	GDP (PPP) % world GDP	0.16
GDP per capita US\$	852.8	5-year average FDI inward flow % GDP	4.5
10-year average annual GDP growth %	8.3		

Social and environmental performance

Renewable energy consumption share %	92.2	Global Gender Gap Index 0-1 (gender parity)	0.7
Unemployment rate %	1.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	35.0

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	41.7 ↓	126	Finland
Security 0–100	-	61.9 ↓	117	Finland
1.01 Organized crime 1–7 (best)	3.4	40.1 ↓	124	Finland
1.02 Homicide rate per 100,000 pop.	8.4	73.3 ↓	110	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	94.9	94.9 =	117	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.4	39.4 ↓	114	Finland
Social capital 0–100	-	45.1 ↑	116	New Zealand
1.05 Social capital 0–100 (best)	45.1	45.1 ↑	107	New Zealand
Checks and balances 0–100	-	43.0 ↑	98	Finland
1.06 Budget transparency 0–100 (best)	n/a	27.7	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.2	37.3 ↓	90	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.5	42.0 ↑	63	Finland
1.09 Freedom of the press 0–100 (worst)	35.1	64.9 ↑	89	Norway
Public-sector performance 0–100	-	45.5 ↓	94	Singapore
1.10 Burden of government regulation 1–7 (best)	3.2	37.4 ↓	88	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.5	41.8 ↓	82	Singapore
1.12 E-Participation 0–1 (best)	0.57	57.3 =	96	Multiple (3)
Transparency 0–100	-	34.0 ↓	99	Denmark
1.13 Incidence of corruption 0–100 (best)	34.0	34.0 ↓	99	Denmark
Property rights 0–100	-	31.1 ↓	135	Finland
1.14 Property rights 1–7 (best)	3.3	37.8 ↓	130	Finland
1.15 Intellectual property protection 1–7 (best)	3.1	35.5 ↓	128	Finland
1.16 Quality of land administration 0–30 (best)	6.0	20.0 =	134	Multiple (5)
Corporate governance 0–100	-	32.7 ↓	140	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.5	41.0 ↓	131	Finland
1.18 Conflict of interest regulation 0–10 (best)	1.7	17.0 =	141	Kenya
1.19 Shareholder governance 0–10 (best)	4.0	40.0 =	106	Kazakhstan
Future orientation of government 0–100	-	40.8	120	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.1	35.3	114	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.5	41.8	85	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.0	34.0	108	United States
1.23 Government long-term vision 1–7 (best)	4.1	51.8	60	Singapore
1.24 Energy efficiency regulation 0–100 (best)	26.7	26.7	89	Italy
1.25 Renewable energy regulation 0–100 (best)	40.6	40.6	84	Germany
1.26 Environment-related treaties in force count (out of 29)	16	55.2	132	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	43.4 ↓	123	Singapore
Transport infrastructure 0–100	-	34.9 ↑	121	Singapore
2.01 Road connectivity 0–100 (best)	53.3	53.3 ↑	124	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.0	33.7 ↓	115	Singapore
2.03 Railroad density km/1,000 km ²	0.7	1.6 ↑	101	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.0	32.6 ↑	71	Japan
2.05 Airport connectivity score	42,696.8	49.6 =	69	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.3	38.3 ↓	128	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)	2.8	30.6 ↑	117	Singapore
Utility infrastructure 0–100	-	51.9 ↓	120	Iceland
2.09 Electricity access % of population	44.8	44.8 ↑	122	Multiple (67)
2.10 Electricity supply quality % of output	17.3	86.2 ↓	106	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	69.8	30.8 ↓	124	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.8	46.0 ↑	112	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	20.1 ↑	137	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	37.2	31.0 ↓	141	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	13.9	N/Appl.	137	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.1	0.1 ↓	135	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	113	Korea, Rep.
3.05 Internet users % of adult population	18.6	18.6 ↑	127	Qatar
 4th pillar: Macroeconomic stability 0–100	-	63.5 ↓	127	Multiple (33)
4.01 Inflation %	12.3	77.1 ↓	130	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 5th pillar: Health 0–100	-	61.0 ↑	108	Multiple (4)
5.01 Healthy life expectancy years	59.5	61.0 ↑	107	Multiple (4)
 6th pillar: Skills 0–100	-	32.5 ↓	137	Switzerland
Current workforce 0–100	-	30.8 ↓	134	Switzerland
6.01 Mean years of schooling years	2.9	19.3 =	134	Germany
Skills of current workforce 0–100	-	42.3 ↓	115	Switzerland
6.02 Extent of staff training 1–7 (best)	3.7	44.6 ↑	99	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.4	40.1 ↓	121	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.2	37.2 ↓	128	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.8	45.8 ↑	100	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.6	44.0 ↓	115	United States
Future workforce 0–100	-	34.1 ↑	137	Denmark
6.07 School life expectancy years	8.4	46.8 =	121	Multiple (11)
Skills of future workforce 0–100	-	21.4 ↑	137	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.6	42.8 ↑	58	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	55.1	0.0	136	Multiple (5)
 7th pillar: Product market 0–100	-	40.8 ↓	135	Hong Kong SAR
Domestic competition 0–100	-	34.8 ↓	136	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.4	40.4 ↓	101	Singapore
7.02 Extent of market dominance 1–7 (best)	3.1	35.4 ↓	119	Switzerland
7.03 Competition in services 1–7 (best)	2.7	28.6 ↓	141	Hong Kong SAR
Trade openness 0–100	-	46.9 ↑	124	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.6	43.5 ↓	130	Singapore
7.05 Trade tariffs %	13.16	12.3 ↑	131	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.5	91.7 =	35	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.6	40.0 =	77	Germany
 8th pillar: Labour market 0–100	-	50.0 ↓	124	Singapore
Flexibility 0–100	-	45.6 ↓	134	Singapore
8.01 Redundancy costs weeks of salary	19.2	68.3 ↓	89	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.5	41.5 ↓	105	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.4	39.4 ↓	137	Singapore
8.04 Flexibility of wage determination 1–7 (best)	3.2	37.4 ↓	136	Estonia
8.05 Active labour market policies 1–7 (best)	2.9	31.7 ↓	92	Switzerland
8.06 Workers' rights 0–100 (best)	69.0	69.0 ↑	81	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.5	41.0 ↑	122	Albania
8.08 Internal labour mobility 1–7 (best)	3.2	36.8 ↓	130	United States
Meritocracy and incentivization 0–100	-	54.3 ↓	104	Denmark
8.09 Reliance on professional management 1–7 (best)	3.2	37.1 ↓	133	Finland
8.10 Pay and productivity 1–7 (best)	3.5	41.7 ↓	106	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.56	44.7 ↓	90	Multiple (4)
8.12 Labour tax rate %	12.4	93.9 =	43	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	50.6 ↑	107	Hong Kong SAR
Depth 0–100	-	23.0 ↓	119	United States
9.01 Domestic credit to private sector % GDP	29.0	30.5 =	103	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.3	39.1 ↓	114	Finland
9.03 Venture capital availability 1–7 (best)	3.3	38.2 ↑	59	United States
9.04 Market capitalization % GDP	0.0	0.0	125	Multiple (15)
9.05 Insurance premium volume to GDP	0.4	7.2 ↓	123	Multiple (17)
Stability 0–100	-	85.1 ↑	89	Finland
9.06 Soundness of banks 1–7 (best)	3.7	45.2 ↑	124	Finland
9.07 Non-performing loans % of gross total loans	2.6	95.8 ↑	46	Multiple (3)
9.08 Credit gap %	2.2	99.6 ↑	104	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.5	100.0 =	64	Multiple (74)
 10th pillar: Market size 0–100	-	55.1 ↑	63	China
10.01 Gross domestic product PPP \$ billions	195	N/Appl.	61	China
10.02 Imports of goods and services % GDP	27.3	N/Appl.	115	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	45.3 ↓	131	United States
Administrative requirements 0–100	-	50.8 ↓	125	United States
11.01 Cost of starting a business % of GNI per capita	52.7	73.6 ↑	131	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	27.7	29.8 ↓	99	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 ↓	120	Multiple (6)
Entrepreneurial culture 0–100	-	39.8 ↓	127	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.5	41.0 ↓	120	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.3	37.7 ↓	135	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.4	40.4 ↓	122	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	40.0 ↓	95	Israel
 12th pillar: Innovation capability 0–100	-	28.3 ↑	118	Germany
Interaction and diversity 0–100	-	31.2 ↓	119	Singapore
12.01 Diversity of workforce 1–7 (best)	3.9	47.6 ↓	122	Singapore
12.02 State of cluster development 1–7 (best)	3.3	37.7 ↓	112	Italy
12.03 International co-inventions per million pop.	0.02	0.5 ↑	109	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.3	39.0 ↓	101	Israel
Research and development 0–100	-	23.7 ↑	77	Japan
12.05 Scientific publications score	125.3	71.7 ↑	85	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.3 ↑	118	Multiple (8)
12.07 R&D expenditures % GDP	0.6	20.2 ↑	54	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	2.7 ↑	68	Multiple (7)
Commercialization 0–100	-	31.8 ↑	126	Luxembourg
12.09 Buyer sophistication 1–7 (best)	4.8	63.7 ↑	8	Korea, Rep.
12.10 Trademark applications per million pop.	0.00	0.0	126	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/>