

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 106th/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	29.6	GDP (PPP) % world GDP	0.14
GDP per capita US\$	2,205.8	5-year average FDI inward flow % GDP	5.8
10-year average annual GDP growth %	6.2		

Social and environmental performance

Environmental footprint gha/capita	1.2	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	41.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	43.5
Unemployment rate %	6.7		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	54.4 ↓	69	Finland
Security 0–100	-	75.1 ↓	67	Finland
1.01 Organized crime 1–7 (best)	4.3	54.8 ↓	92	Finland
1.02 Homicide rate per 100,000 pop.	2.1	94.6 ↓	65	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	41	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.1	50.9 ↓	89	Finland
Social capital 0–100	-	54.9 ↑	44	New Zealand
1.05 Social capital 0–100 (best)	54.9	54.9 ↑	40	New Zealand
Checks and balances 0–100	-	56.4 ↓	42	Finland
1.06 Budget transparency 0–100 (best)	50	50.0	45	Multiple (2)
1.07 Judicial independence 1–7 (best)	4.1	51.3 ↓	57	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.7	45.3 ↓	50	Finland
1.09 Freedom of the press 0–100 (worst)	20.8	79.2 ↓	24	Norway
Public-sector performance 0–100	-	54.8 ↓	52	Singapore
1.10 Burden of government regulation 1–7 (best)	3.9	47.6 ↓	44	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	4.2	53.7 ↓	43	Singapore
1.12 E-Participation 0–1 (best)	0.63	62.9 =	82	Multiple (3)
Transparency 0–100	-	41.0 ↑	66	Denmark
1.13 Incidence of corruption 0–100 (best)	41.0	41.0 ↑	66	Denmark
Property rights 0–100	-	42.5 ↓	106	Finland
1.14 Property rights 1–7 (best)	4.1	51.9 ↓	87	Finland
1.15 Intellectual property protection 1–7 (best)	3.9	49.1 ↓	83	Finland
1.16 Quality of land administration 0–30 (best)	8.0	26.7 =	115	Multiple (5)
Corporate governance 0–100	-	51.1 ↓	103	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.0	50.4 ↓	107	Finland
1.18 Conflict of interest regulation 0–10 (best)	6.3	63.0 =	47	Kenya
1.19 Shareholder governance 0–10 (best)	4.0	40.0 =	106	Kazakhstan
Future orientation of government 0–100	-	59.3	49	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	4.2	52.9	56	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.8	46.5	66	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.0	49.2	46	United States
1.23 Government long-term vision 1–7 (best)	4.0	49.5	66	Singapore
1.24 Energy efficiency regulation 0–100 (best)	45.3	45.3	62	Italy
1.25 Renewable energy regulation 0–100 (best)	78.9	78.9	17	Germany
1.26 Environment-related treaties in force count (out of 29)	24	82.8	36	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	46.6 ↓	118	Singapore
Transport infrastructure 0–100	-	32.7 ↑	127	Singapore
2.01 Road connectivity 0–100 (best)	73.4	73.4 ↑	79	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.0	32.6 ↓	118	Singapore
2.03 Railroad density km/1,000 km ²	4.2	10.4 ↑	74	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	1.9	14.5 ↓	97	Japan
2.05 Airport connectivity score	10,564.4	32.6 =	94	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.7	45.4 ↓	110	Singapore
2.07 Liner shipping connectivity 0–100 (best)	18.5	18.5 ↑	69	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.1	34.5 ↑	114	Singapore
Utility infrastructure 0–100	-	60.5 ↓	112	Iceland
2.09 Electricity access % of population	84.3	84.3 ↑	106	Multiple (67)
2.10 Electricity supply quality % of output	23.9	79.3 ↓	120	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	75.5	25.0 ↓	131	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.2	53.6 ↑	98	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	49.1 ↑	90	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	137.5	100.0 =	26	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	91.8	N/Appl.	41	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.2	0.4 ↑	126	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	n/a	N/Appl.	n/a	Korea, Rep.
3.05 Internet users % of adult population	39.0	39.0 ↑	105	Qatar
 4th pillar: Macroeconomic stability 0–100	-	59.5 ↑	132	Multiple (33)
4.01 Inflation %	11.1	80.3 ↑	129	Multiple (88)
4.02 Debt dynamics 0–100 (best)	38.8	38.8 ↓	131	Multiple (34)
 5th pillar: Health 0–100	-	53.3 ↓	119	Multiple (4)
5.01 Healthy life expectancy years	57.0	53.3 ↓	118	Multiple (4)
 6th pillar: Skills 0–100	-	52.2 ↑	102	Switzerland
Current workforce 0–100	-	49.0 ↑	98	Switzerland
6.01 Mean years of schooling years	6.5	43.3 =	111	Germany
Skills of current workforce 0–100	-	54.6 ↑	52	Switzerland
6.02 Extent of staff training 1–7 (best)	4.3	54.9 ↑	51	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.0	50.1 ↓	78	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.3	54.5 ↑	53	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.2	53.5 ↑	69	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.6	60.1 ↓	39	United States
Future workforce 0–100	-	55.4 ↑	107	Denmark
6.07 School life expectancy years	11.5	64.0 ↓	95	Multiple (11)
Skills of future workforce 0–100	-	46.7 ↑	100	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.2	36.6 ↓	92	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	27.2	56.9 ↑	100	Multiple (5)
 7th pillar: Product market 0–100	-	53.2 ↓	85	Hong Kong SAR
Domestic competition 0–100	-	51.8 ↓	80	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	4.0	49.3 ↓	58	Singapore
7.02 Extent of market dominance 1–7 (best)	4.0	49.4 ↓	52	Switzerland
7.03 Competition in services 1–7 (best)	4.4	56.8 ↓	116	Hong Kong SAR
Trade openness 0–100	-	54.6 ↓	89	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.4	56.3 ↓	76	Singapore
7.05 Trade tariffs %	10.32	31.2 ↓	112	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	94.6 ↓	18	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.5	36.3 =	94	Germany
 8th pillar: Labour market 0–100	-	56.0 ↑	93	Singapore
Flexibility 0–100	-	53.0 ↑	105	Singapore
8.01 Redundancy costs weeks of salary	49.8	4.6 ↓	133	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.4	56.1 ↓	31	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.5	58.4 ↑	64	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.8	63.1 ↑	85	Estonia
8.05 Active labour market policies 1–7 (best)	3.7	44.2 ↑	60	Switzerland
8.06 Workers' rights 0–100 (best)	79.0	79.0 ↑	44	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.5	58.8 ↑	36	Albania
8.08 Internal labour mobility 1–7 (best)	4.6	60.1 ↓	63	United States
Meritocracy and incentivization 0–100	-	59.0 ↓	86	Denmark
8.09 Reliance on professional management 1–7 (best)	4.5	59.1 ↓	48	Finland
8.10 Pay and productivity 1–7 (best)	4.0	50.7 ↓	65	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.48	35.6 ↑	103	Multiple (4)
8.12 Labour tax rate %	14.7	90.7 =	63	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	48.8 ↓	116	Hong Kong SAR
Depth 0–100	-	26.5 ↑	106	United States
9.01 Domestic credit to private sector % GDP	15.0	15.8 ↓	126	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.8	46.1 ↓	82	Finland
9.03 Venture capital availability 1–7 (best)	2.8	30.6 ↓	93	United States
9.04 Market capitalization % GDP	21.8	21.8 ↑	76	Multiple (15)
9.05 Insurance premium volume to GDP	1.1	18.4 ↓	93	Multiple (17)
Stability 0–100	-	76.7 ↓	128	Finland
9.06 Soundness of banks 1–7 (best)	4.0	49.3 ↓	113	Finland
9.07 Non-performing loans % of gross total loans	21.6	57.4 ↓	133	Multiple (3)
9.08 Credit gap %	-1.3	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.1	100.0 =	72	Multiple (74)
 10th pillar: Market size 0–100	-	54.2 ↑	65	China
10.01 Gross domestic product PPP \$ billions	169	N/Appl.	67	China
10.02 Imports of goods and services % GDP	33.8	N/Appl.	95	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	54.1 ↓	102	United States
Administrative requirements 0–100	-	57.1 ↑	116	United States
11.01 Cost of starting a business % of GNI per capita	15.5	92.3 ↑	101	Multiple (2)
11.02 Time to start a business days	14.0	86.4 =	82	New Zealand
11.03 Insolvency recovery rate cents to the dollar	23.1	24.9 ↑	109	Japan
11.04 Insolvency regulatory framework 0–16 (best)	4.0	25.0 =	129	Multiple (6)
Entrepreneurial culture 0–100	-	51.1 ↓	63	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.9	49.1 ↓	75	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.5	57.6 ↓	60	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.2	52.9 ↓	58	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.7	44.9 ↓	65	Israel
 12th pillar: Innovation capability 0–100	-	32.9 ↑	89	Germany
Interaction and diversity 0–100	-	40.4 ↓	68	Singapore
12.01 Diversity of workforce 1–7 (best)	4.6	60.7 ↓	55	Singapore
12.02 State of cluster development 1–7 (best)	4.0	49.5 ↓	52	Italy
12.03 International co-inventions per million pop.	0.02	0.5 ↓	111	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.0	50.7 ↑	41	Israel
Research and development 0–100	-	21.6 ↑	92	Japan
12.05 Scientific publications score	130.0	72.2 ↑	83	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.3 ↓	120	Multiple (8)
12.07 R&D expenditures % GDP	0.4	12.6 =	72	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	1.5 ↑	81	Multiple (7)
Commercialization 0–100	-	40.3 ↑	114	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.5	41.5 ↑	76	Korea, Rep.
12.10 Trademark applications per million pop.	36.95	39.1 ↓	117	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/>