

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 135th/140

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





Selected contextual indicators




Population millions	95.0	GDP (PPP) % world GDP	0.05
GDP per capita US\$	448.7	5-year average FDI inward flow % GDP	4.0
10-year average annual GDP growth %	5.4		

Social and environmental performance

Environmental footprint gha/capita	1.0	Unemployment rate %	4.2
Renewable energy consumption share %	95.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	42.1

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	32.8 ↓	138	Finland
Security 0–100	-	35.8 ↓	139	Finland
1.01 Organized crime 1–7 (best)	3.3	38.5 ↓	126	Finland
1.02 Homicide rate per 100,000 pop.	34.0	0.0	134	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	73.1	73.1 =	133	Multiple (25)
1.04 Reliability of police services 1–7 (best)	2.9	31.5 ↓	129	Finland
Social capital 0–100	-	44.0 ↓	124	New Zealand
1.05 Social capital 0–100 (best)	44.0	44.0 ↓	115	New Zealand
Checks and balances 0–100	-	31.3 ↓	134	Finland
1.06 Budget transparency 0–100 (best)	29	29.0	75	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.2	19.6 ↓	134	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.7	28.2 ↑	112	Finland
1.09 Freedom of the press 0–100 (worst)	51.7	48.3 ↓	126	Norway
Public-sector performance 0–100	-	25.6 ↑	138	Singapore
1.10 Burden of government regulation 1–7 (best)	2.9	32.0 ↑	110	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.9	32.4 ↑	116	Singapore
1.12 E-Participation 0–1 (best)	0.12	12.4 =	137	Multiple (3)
Transparency 0–100	-	20.0 ↓	134	Denmark
1.13 Incidence of corruption 0–100 (best)	20.0	20.0 ↓	134	Denmark
Property rights 0–100	-	32.9 ↓	131	Finland
1.14 Property rights 1–7 (best)	3.1	34.6 ↑	134	Finland
1.15 Intellectual property protection 1–7 (best)	2.8	30.7 ↓	135	Finland
1.16 Quality of land administration 0–30 (best)	10.0	33.3 ↓	103	Multiple (5)
Corporate governance 0–100	-	37.8 ↑	135	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.4	39.5 ↑	133	Finland
1.18 Conflict of interest regulation 0–10 (best)	3.7	37.0 =	130	Kenya
1.19 Shareholder governance 0–10 (best)	3.7	37.0 =	112	Kazakhstan
Future orientation of government 0–100	-	34.9	133	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.7	28.2	129	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.5	24.7	131	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.6	26.0	126	United States
1.23 Government long-term vision 1–7 (best)	2.7	28.9	123	Singapore
1.24 Energy efficiency regulation 0–100 (best)	19.7	19.7	97	Italy
1.25 Renewable energy regulation 0–100 (best)	36.4	36.4	90	Germany
1.26 Environment-related treaties in force count (out of 29)	21	72.4	79	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	29.2 ↓	140	Singapore
Transport infrastructure 0–100	-	21.5 ↑	138	Singapore
2.01 Road connectivity 0–100 (best)	59.3	59.3 ↑	111	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.1	18.4 ↑	138	Singapore
2.03 Railroad density km/1,000 km ²	1.6	4.0 ↑	93	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	1.9	15.3 ↓	95	Japan
2.05 Airport connectivity score	1,699.6	16.9 =	129	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	2.8	30.7 ↓	136	Singapore
2.07 Liner shipping connectivity 0–100 (best)	3.5	3.5 ↓	106	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	2.4	24.0 ↓	123	Singapore
Utility infrastructure 0–100	-	37.0 ↓	139	Iceland
2.09 Electricity access % of population	15.5	15.5 ↑	138	Multiple (67)
2.10 Electricity supply quality % of output	13.9	89.7 ↑	91	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	77.1	23.3 ↓	134	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	2.2	19.3 ↓	136	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	19.1 ↑	138	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	43.4	36.2 ↑	137	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	15.9	N/Appl.	134	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.0	0.0 ↑	140	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	n/a	N/Appl.	n/a	Korea, Rep.
3.05 Internet users % of adult population	8.6	8.6 ↑	139	Qatar
 4th pillar: Macroeconomic stability 0–100	-	31.4 ↓	140	Multiple (33)
4.01 Inflation %	35.4	12.8 ↓	140	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 =	64	Multiple (34)
 5th pillar: Health 0–100	-	41.6 ↑	134	Multiple (4)
5.01 Healthy life expectancy years	53.3	41.6 ↑	133	Multiple (4)
 6th pillar: Skills 0–100	-	42.3 ↓	121	Switzerland
Current workforce 0–100	-	40.8 ↓	119	Switzerland
6.01 Mean years of schooling years	6.8	45.1 =	109	Germany
Skills of current workforce 0–100	-	36.6 ↓	137	Switzerland
6.02 Extent of staff training 1–7 (best)	3.2	36.5 ↑	132	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.2	36.0 ↑	132	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.2	36.4 ↓	132	Switzerland
6.05 Digital skills among active population 1–7 (best)	2.8	30.5 ↓	138	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.6	43.6 ↓	117	United States
Future workforce 0–100	-	43.8 ↓	124	Denmark
6.07 School life expectancy years	9.6	53.4 =	111	Multiple (11)
Skills of future workforce 0–100	-	34.1 ↓	120	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.6	26.3 ↓	131	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	33.2	42.0 =	114	Multiple (5)
 7th pillar: Product market 0–100	-	44.7 ↓	127	Hong Kong SAR
Domestic competition 0–100	-	36.5 ↓	135	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.2	36.1 ↑	114	Singapore
7.02 Extent of market dominance 1–7 (best)	2.5	24.7 ↓	136	Switzerland
7.03 Competition in services 1–7 (best)	3.9	48.7 ↓	134	Hong Kong SAR
Trade openness 0–100	-	53.0 ↓	101	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.1	50.9 ↑	110	Singapore
7.05 Trade tariffs %	10.36	31.0 ↑	114	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	95.7 =	6	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.4	34.2 =	108	Germany
 8th pillar: Labour market 0–100	-	48.3 ↓	130	Singapore
Flexibility 0–100	-	52.5 ↓	109	Singapore
8.01 Redundancy costs weeks of salary	10.3	86.9 ↓	34	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.4	39.4 ↓	110	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.8	46.8 ↑	121	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.8	63.3 ↓	82	Estonia
8.05 Active labour market policies 1–7 (best)	2.1	17.7 ↑	129	Switzerland
8.06 Workers' rights 0–100 (best)	72.0	72.0 ↑	65	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.8	47.0 ↓	96	Albania
8.08 Internal labour mobility 1–7 (best)	3.8	47.0 ↓	118	United States
Meritocracy and incentivization 0–100	-	44.1 ↓	133	Denmark
8.09 Reliance on professional management 1–7 (best)	3.5	41.4 ↑	122	Finland
8.10 Pay and productivity 1–7 (best)	2.8	29.4 ↑	136	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.30	12.0 ↓	124	Multiple (4)
8.12 Labour tax rate %	12.6	93.6 =	47	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	42.5 ↓	135	Hong Kong SAR
Depth 0–100	-	12.5 ↓	139	United States
9.01 Domestic credit to private sector % GDP	6.4	6.7 ↓	135	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.5	25.6 ↑	136	Finland
9.03 Venture capital availability 1–7 (best)	2.1	17.8 ↓	128	United States
9.04 Market capitalization % GDP	0.0	0.0	125	Multiple (15)
9.05 Insurance premium volume to GDP	n/a	12.5 ↑	n/a	Multiple (17)
Stability 0–100	-	80.0 ↑	119	Finland
9.06 Soundness of banks 1–7 (best)	3.0	33.7 ↑	134	Finland
9.07 Non-performing loans % of gross total loans	7.2	86.5 =	85	Multiple (3)
9.08 Credit gap %	-1.3	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	24.5	100.0 =	11	Multiple (74)
 10th pillar: Market size 0–100	-	43.3 ↑	96	China
10.01 Gross domestic product PPP \$ billions	65	N/Appl.	93	China
10.02 Imports of goods and services % GDP	16.8	N/Appl.	137	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	40.5 ↑	134	United States
Administrative requirements 0–100	-	45.0 ↑	131	United States
11.01 Cost of starting a business % of GNI per capita	26.7	86.6 ↑	115	Multiple (2)
11.02 Time to start a business days	7.0	93.5 =	43	New Zealand
11.03 Insolvency recovery rate cents to the dollar	0.0	0.0	133	Japan
11.04 Insolvency regulatory framework 0–16 (best)	0.0	0.0	135	Multiple (6)
Entrepreneurial culture 0–100	-	35.9 ↓	136	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.2	36.9 ↓	131	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.4	39.4 ↑	132	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.1	34.4 ↑	137	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.0	32.9 ↓	131	Israel
 12th pillar: Innovation capability 0–100	-	18.0 ↓	141	Germany
Interaction and diversity 0–100	-	23.3 ↓	140	Singapore
12.01 Diversity of workforce 1–7 (best)	3.2	36.7 ↓	137	Singapore
12.02 State of cluster development 1–7 (best)	2.4	23.5 ↓	140	Italy
12.03 International co-inventions per million pop.	0.00	0.0	125	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.0	33.0 ↓	131	Israel
Research and development 0–100	-	15.7 ↑	134	Japan
12.05 Scientific publications score	55.7	59.8 ↑	129	Multiple (9)
12.06 Patent applications per million pop.	0.00	0.0	131	Multiple (8)
12.07 R&D expenditures % GDP	0.1	2.6 ↓	119	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4 ↓	99	Multiple (7)
Commercialization 0–100	-	11.8 ↑	141	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.4	23.7 ↑	134	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/>