

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 133rd/140

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





Selected contextual indicators

Population millions	30.3	GDP (PPP) % world GDP	0.03
GDP per capita US\$	475.6	5-year average FDI inward flow % GDP	24.0
10-year average annual GDP growth %	5.1		

Social and environmental performance

Environmental footprint gha/capita	0.9	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	86.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	54.0
Unemployment rate %	3.2		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	39.3 ↓	133	Finland
Security 0–100	-	63.1 ↑	115	Finland
1.01 Organized crime 1–7 (best)	3.2	37.2 ↑	129	Finland
1.02 Homicide rate per 100,000 pop.	3.4	90.2 ↑	84	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	96.1	96.1 =	115	Multiple (25)
1.04 Reliability of police services 1–7 (best)	2.7	28.9 ↑	133	Finland
Social capital 0–100	-	47.5 ↓	95	New Zealand
1.05 Social capital 0–100 (best)	47.5	47.5 ↓	87	New Zealand
Checks and balances 0–100	-	38.5 ↓	114	Finland
1.06 Budget transparency 0–100 (best)	41	41.0	63	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.3	21.5 ↓	130	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.5	24.3 ↓	125	Finland
1.09 Freedom of the press 0–100 (worst)	32.7	67.3 ↓	82	Norway
Public-sector performance 0–100	-	36.3 ↑	121	Singapore
1.10 Burden of government regulation 1–7 (best)	3.0	33.0 ↓	107	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.9	31.4 ↑	117	Singapore
1.12 E-Participation 0–1 (best)	0.44	44.4 =	108	Multiple (3)
Transparency 0–100	-	23.0 ↓	132	Denmark
1.13 Incidence of corruption 0–100 (best)	23.0	23.0 ↓	132	Denmark
Property rights 0–100	-	32.3 ↓	132	Finland
1.14 Property rights 1–7 (best)	3.4	39.3 ↓	126	Finland
1.15 Intellectual property protection 1–7 (best)	3.0	32.6 ↓	133	Finland
1.16 Quality of land administration 0–30 (best)	7.5	25.0 ↓	118	Multiple (5)
Corporate governance 0–100	-	39.8 ↓	130	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.2	36.3 ↓	135	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.3	53.0 =	85	Kenya
1.19 Shareholder governance 0–10 (best)	3.0	30.0 =	132	Kazakhstan
Future orientation of government 0–100	-	34.1	134	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.4	40.2	102	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.9	32.0	113	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.5	24.9	129	United States
1.23 Government long-term vision 1–7 (best)	3.0	33.8	109	Singapore
1.24 Energy efficiency regulation 0–100 (best)	5.8	5.8	113	Italy
1.25 Renewable energy regulation 0–100 (best)	24.7	24.7	103	Germany
1.26 Environment-related treaties in force count (out of 29)	22	75.9	69	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	35.2 ↓	133	Singapore
Transport infrastructure 0–100	-	28.6 ↑	133	Singapore
2.01 Road connectivity 0–100 (best)	68.0	68.0 ↑	90	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.4	23.4 ↑	134	Singapore
2.03 Railroad density km/1,000 km[2]	4.0	9.9 ↑	75	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.6	27.2 ↑	80	Japan
2.05 Airport connectivity score	2,267.5	18.9 =	127	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.0	33.4 ↑	134	Singapore
2.07 Liner shipping connectivity 0–100 (best)	10.5	10.5 ↑	84	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.3	37.9 ↑	101	Singapore
Utility infrastructure 0–100	-	41.7 ↓	133	Iceland
2.09 Electricity access % of population	28.0	28.0 ↓	133	Multiple (67)
2.10 Electricity supply quality % of output	17.2	86.2 ↑	105	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	74.8	25.7 ↓	130	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	2.6	26.7 ↓	129	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	23.1 ↓	135	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	47.7	39.8 ↑	135	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	15.1	N/Appl.	136	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.2	0.5 ↑	124	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.1	N/Appl.	98	Korea, Rep.
3.05 Internet users % of adult population	10.0	10.0 ↓	137	Qatar
 4th pillar: Macroeconomic stability 0–100	-	42.3 ↓	136	Multiple (33)
4.01 Inflation %	9.5	84.7 ↑	127	Multiple (88)
4.02 Debt dynamics 0–100 (best)	0.0	0.0	140	Multiple (34)
 5th pillar: Health 0–100	-	33.1 ↓	140	Multiple (4)
5.01 Healthy life expectancy years	50.6	33.1 ↓	139	Multiple (4)
 6th pillar: Skills 0–100	-	30.3 ↑	139	Switzerland
Current workforce 0–100	-	26.9 ↑	139	Switzerland
6.01 Mean years of schooling years	3.1	20.8 ↑	133	Germany
Skills of current workforce 0–100	-	32.9 ↑	139	Switzerland
6.02 Extent of staff training 1–7 (best)	3.0	32.9 ↑	136	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.0	33.6 ↓	137	Switzerland
6.04 Skillset of graduates 1–7 (best)	2.9	30.9 ↑	138	Switzerland
6.05 Digital skills among active population 1–7 (best)	2.7	29.0 ↓	139	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.3	38.1 ↓	132	United States
Future workforce 0–100	-	33.6 ↑	138	Denmark
6.07 School life expectancy years	9.7	54.2 ↑	109	Multiple (11)
Skills of future workforce 0–100	-	13.1 ↑	140	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.6	26.3 ↑	130	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	52.4	0.0	135	Multiple (5)
 7th pillar: Product market 0–100	-	46.7 ↓	121	Hong Kong SAR
Domestic competition 0–100	-	38.7 ↑	131	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.0	34.0 ↓	124	Singapore
7.02 Extent of market dominance 1–7 (best)	2.9	32.2 ↑	129	Switzerland
7.03 Competition in services 1–7 (best)	4.0	50.0 ↓	133	Hong Kong SAR
Trade openness 0–100	-	54.8 ↓	86	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.4	40.8 ↓	132	Singapore
7.05 Trade tariffs %	8.07	46.2 ↓	95	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	94.7 ↓	10	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.5	37.3 =	88	Germany
 8th pillar: Labour market 0–100	-	43.2 ↑	138	Singapore
Flexibility 0–100	-	43.7 ↑	137	Singapore
8.01 Redundancy costs weeks of salary	37.5	30.2 ↑	132	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.2	36.3 ↓	119	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.6	42.8 ↑	131	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.3	54.4 ↑	126	Estonia
8.05 Active labour market policies 1–7 (best)	2.0	15.9 ↓	132	Switzerland
8.06 Workers' rights 0–100 (best)	76.0	76.0 ↓	51	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.3	38.5 ↑	129	Albania
8.08 Internal labour mobility 1–7 (best)	4.3	55.4 ↑	87	United States
Meritocracy and incentivization 0–100	-	42.6 ↑	135	Denmark
8.09 Reliance on professional management 1–7 (best)	3.1	34.5 ↓	136	Finland
8.10 Pay and productivity 1–7 (best)	2.8	30.0 ↑	135	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.25	5.9 ↑	130	Multiple (4)
8.12 Labour tax rate %	4.5	100.0 =	15	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	48.4 ↓	119	Hong Kong SAR
Depth 0–100	-	22.8 ↓	120	United States
9.01 Domestic credit to private sector % GDP	31.8	33.5 ↓	96	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.0	33.9 ↓	122	Finland
9.03 Venture capital availability 1–7 (best)	2.0	17.4 ↑	131	United States
9.04 Market capitalization % GDP	8.0	8.0 ↓	98	Multiple (15)
9.05 Insurance premium volume to GDP	1.3	21.5 ↓	85	Multiple (17)
Stability 0–100	-	80.4 ↓	116	Finland
9.06 Soundness of banks 1–7 (best)	3.6	43.8 ↑	126	Finland
9.07 Non-performing loans % of gross total loans	11.4	78.0 ↓	114	Multiple (3)
9.08 Credit gap %	-7.5	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	21.3	100.0 ↑	26	Multiple (74)
 10th pillar: Market size 0–100	-	41.1 ↑	105	China
10.01 Gross domestic product PPP \$ billions	35	N/Appl.	110	China
10.02 Imports of goods and services % GDP	75.7	N/Appl.	20	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	46.8 ↓	125	United States
Administrative requirements 0–100	-	54.2 ↓	123	United States
11.01 Cost of starting a business % of GNI per capita	120.5	39.8 ↓	137	Multiple (2)
11.02 Time to start a business days	17.0	83.4 ↑	96	New Zealand
11.03 Insolvency recovery rate cents to the dollar	29.1	31.3 ↓	93	Japan
11.04 Insolvency regulatory framework 0–16 (best)	10.0	62.5 =	65	Multiple (6)
Entrepreneurial culture 0–100	-	39.3 ↑	130	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.3	39.1 ↑	124	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.4	40.5 ↑	131	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.5	41.5 ↑	118	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.2	36.0 ↑	122	Israel
 12th pillar: Innovation capability 0–100	-	27.4 ↑	125	Germany
Interaction and diversity 0–100	-	31.3 ↓	118	Singapore
12.01 Diversity of workforce 1–7 (best)	4.2	53.9 ↑	90	Singapore
12.02 State of cluster development 1–7 (best)	3.1	35.0 ↓	119	Italy
12.03 International co-inventions per million pop.	n/a	0.3	n/a	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	36.2 ↓	119	Israel
Research and development 0–100	-	19.7 ↑	113	Japan
12.05 Scientific publications score	89.0	66.6 ↑	104	Multiple (9)
12.06 Patent applications per million pop.	n/a	0.4	n/a	Multiple (8)
12.07 R&D expenditures % GDP	0.3	11.3 ↑	77	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4 ↓	104	Multiple (7)
Commercialization 0–100	-	35.2 ↑	121	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.7	28.4 ↑	126	Korea, Rep.
12.10 Trademark applications per million pop.	48.30	41.9 ↑	114	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/>