

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 129th/140

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





Selected contextual indicators

Population millions	19.7	GDP (PPP) % world GDP	0.02
GDP per capita US\$	351.1	5-year average FDI inward flow % GDP	3.9
10-year average annual GDP growth %	3.6		

Social and environmental performance

Environmental footprint gha/capita	1.0	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	83.6	Income Gini 0 (perfect equality) -100 (perfect inequality)	44.7
Unemployment rate %	5.4		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	45.7 ↓	110	Finland
Security 0–100	-	74.8 ↓	69	Finland
1.01 Organized crime 1–7 (best)	4.6	59.9 ↓	75	Finland
1.02 Homicide rate per 100,000 pop.	1.7	95.9 ↑	58	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	42	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.6	43.2 ↓	108	Finland
Social capital 0–100	-	45.1 ↓	115	New Zealand
1.05 Social capital 0–100 (best)	45.1	45.1 ↓	106	New Zealand
Checks and balances 0–100	-	43.7 ↓	96	Finland
1.06 Budget transparency 0–100 (best)	26	26.0	76	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.6	43.2 ↓	78	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.1	35.0 ↑	89	Finland
1.09 Freedom of the press 0–100 (worst)	29.4	70.6 ↓	55	Norway
Public-sector performance 0–100	-	33.6 ↓	126	Singapore
1.10 Burden of government regulation 1–7 (best)	3.6	44.0 ↓	61	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.2	36.6 ↓	98	Singapore
1.12 E-Participation 0–1 (best)	0.20	20.2 =	128	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	-	43.5 ↑	104	Finland
1.14 Property rights 1–7 (best)	4.2	53.9 ↑	79	Finland
1.15 Intellectual property protection 1–7 (best)	3.5	41.6 ↑	110	Finland
1.16 Quality of land administration 0–30 (best)	10.5	35.0 =	98	Multiple (5)
Corporate governance 0–100	-	52.5 ↓	98	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.5	57.5 ↑	86	Finland
1.18 Conflict of interest regulation 0–10 (best)	6.0	60.0 =	53	Kenya
1.19 Shareholder governance 0–10 (best)	4.0	40.0 ↓	106	Kazakhstan
Future orientation of government 0–100	-	40.7	121	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.7	44.6	89	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.0	33.9	107	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.8	30.2	119	United States
1.23 Government long-term vision 1–7 (best)	3.2	36.1	101	Singapore
1.24 Energy efficiency regulation 0–100 (best)	14.4	14.4	102	Italy
1.25 Renewable energy regulation 0–100 (best)	55.7	55.7	56	Germany
1.26 Environment-related treaties in force count (out of 29)	19	65.5	107	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	35.6 ↓	132	Singapore
Transport infrastructure 0–100	-	33.2 ↑	124	Singapore
2.01 Road connectivity 0–100 (best)	78.4	78.4 ↑	58	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.8	30.1 ↓	123	Singapore
2.03 Railroad density km/1,000 km ²	8.1	20.3 ↑	57	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.1	18.5 ↓	92	Japan
2.05 Airport connectivity score	883.0	12.8 =	134	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.3	39.0 ↓	126	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	20.0 ↑	129	Singapore
Utility infrastructure 0–100	-	37.9 ↓	137	Iceland
2.09 Electricity access % of population	10.9	10.9 ↓	139	Multiple (67)
2.10 Electricity supply quality % of output	n/a	78.4 ↑	n/a	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	72.3	28.2 ↓	126	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.0	34.1 ↑	124	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	25.2 ↑	130	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	39.0	32.5 ↓	140	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	27.2	N/Appl.	127	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.1	0.1 ↑	133	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	122	Korea, Rep.
3.05 Internet users % of adult population	13.8	13.8 ↑	135	Qatar
 4th pillar: Macroeconomic stability 0–100	-	66.1 ↑	122	Multiple (33)
4.01 Inflation %	10.4	82.3 ↑	128	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 =	64	Multiple (34)
 5th pillar: Health 0–100	-	47.0 ↑	128	Multiple (4)
5.01 Healthy life expectancy years	55.0	47.0 ↑	127	Multiple (4)
 6th pillar: Skills 0–100	-	38.2 ↑	131	Switzerland
Current workforce 0–100	-	39.1 ↓	123	Switzerland
6.01 Mean years of schooling years	5.7	38.0 =	119	Germany
Skills of current workforce 0–100	-	40.3 ↓	127	Switzerland
6.02 Extent of staff training 1–7 (best)	3.6	42.6 ↓	113	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.5	41.9 ↑	113	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.4	40.2 ↑	121	Switzerland
6.05 Digital skills among active population 1–7 (best)	2.8	30.7 ↓	137	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.8	46.0 ↓	109	United States
Future workforce 0–100	-	37.3 ↑	136	Denmark
6.07 School life expectancy years	10.4	57.8 =	106	Multiple (11)
Skills of future workforce 0–100	-	16.7 ↑	139	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.0	33.3 ↑	104	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	69.5	0.0	139	Multiple (5)
 7th pillar: Product market 0–100	-	47.9 ↓	118	Hong Kong SAR
Domestic competition 0–100	-	40.6 ↓	127	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.2	37.2 ↓	111	Singapore
7.02 Extent of market dominance 1–7 (best)	2.9	32.2 ↓	128	Switzerland
7.03 Competition in services 1–7 (best)	4.1	52.3 ↓	129	Hong Kong SAR
Trade openness 0–100	-	55.2 ↓	85	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.5	58.3 ↑	58	Singapore
7.05 Trade tariffs %	9.86	34.3 ↑	102	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.5	92.5 =	30	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.4	35.6 =	96	Germany
 8th pillar: Labour market 0–100	-	60.1 ↑	68	Singapore
Flexibility 0–100	-	57.4 ↑	72	Singapore
8.01 Redundancy costs weeks of salary	16.6	73.7 ↑	75	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.7	44.8 ↑	88	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.1	52.1 ↑	102	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.1	68.9 ↑	58	Estonia
8.05 Active labour market policies 1–7 (best)	2.2	20.3 ↓	121	Switzerland
8.06 Workers' rights 0–100 (best)	87.0	87.0 ↑	25	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.8	47.3 ↓	95	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	64.9 ↑	40	United States
Meritocracy and incentivization 0–100	-	62.8 ↑	68	Denmark
8.09 Reliance on professional management 1–7 (best)	4.3	55.7 ↑	66	Finland
8.10 Pay and productivity 1–7 (best)	3.5	42.4 ↑	101	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.67	59.1 ↑	75	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	-	48.8 ↑	118	Hong Kong SAR
Depth 0–100	-	19.7 ↓	126	United States
9.01 Domestic credit to private sector % GDP	11.4	12.0 ↓	132	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.8	29.2 ↓	130	Finland
9.03 Venture capital availability 1–7 (best)	2.0	15.9 ↑	135	United States
9.04 Market capitalization % GDP	18.1	18.1 ↓	84	Multiple (15)
9.05 Insurance premium volume to GDP	1.4	23.1 ↓	79	Multiple (17)
Stability 0–100	-	85.2 ↑	88	Finland
9.06 Soundness of banks 1–7 (best)	4.4	57.0 ↑	100	Finland
9.07 Non-performing loans % of gross total loans	8.6	83.7 ↑	99	Multiple (3)
9.08 Credit gap %	-2.8	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.3	100.0 =	67	Multiple (74)
 10th pillar: Market size 0–100	-	34.2 ↑	130	China
10.01 Gross domestic product PPP \$ billions	21	N/Appl.	129	China
10.02 Imports of goods and services % GDP	45.6	N/Appl.	64	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	48.8 ↑	124	United States
Administrative requirements 0–100	-	52.6 ↑	124	United States
11.01 Cost of starting a business % of GNI per capita	38.6	80.7 ↑	122	Multiple (2)
11.02 Time to start a business days	37.0	63.3 =	127	New Zealand
11.03 Insolvency recovery rate cents to the dollar	12.5	13.5 =	127	Japan
11.04 Insolvency regulatory framework 0–16 (best)	8.5	53.1 =	88	Multiple (6)
Entrepreneurial culture 0–100	-	44.9 ↑	102	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.3	37.7 ↓	129	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.4	57.3 ↑	63	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.7	45.3 ↑	98	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.3	39.2 ↑	106	Israel
 12th pillar: Innovation capability 0–100	-	26.9 ↓	127	Germany
Interaction and diversity 0–100	-	30.8 ↑	123	Singapore
12.01 Diversity of workforce 1–7 (best)	4.1	52.3 ↑	103	Singapore
12.02 State of cluster development 1–7 (best)	3.2	35.9 ↑	117	Italy
12.03 International co-inventions per million pop.	0.00	0.0	126	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.1	35.0 ↑	122	Israel
Research and development 0–100	-	20.6 ↓	101	Japan
12.05 Scientific publications score	125.7	71.7 ↑	84	Multiple (9)
12.06 Patent applications per million pop.	0.00	0.0	132	Multiple (8)
12.07 R&D expenditures % GDP	n/a	10.3 ↓	n/a	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4 ↓	97	Multiple (7)
Commercialization 0–100	-	31.5 ↑	127	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.7	27.5 ↑	129	Korea, Rep.
12.10 Trademark applications per million pop.	25.81	35.4 ↑	120	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/>