

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 99th/140

Performance Overview Key

◇ Previous edition △ Lower-middle-income group average □ East Asia and Pacific average

2019





Selected contextual indicators

Population millions	3.2	GDP (PPP) % world GDP	0.03
GDP per capita US\$	4,026.3	5-year average FDI inward flow % GDP	-0.6
10-year average annual GDP growth %	6.9		

Social and environmental performance

Environmental footprint gha/capita	6.0	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	3.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	32.3
Unemployment rate %	6.3		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	49.8 ↓	90	Finland
Security 0–100	-	74.1 ↓	71	Finland
1.01 Organized crime 1–7 (best)	4.9	65.3 ↓	52	Finland
1.02 Homicide rate per 100,000 pop.	6.2	80.7 ↓	100	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	1	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.0	50.5 ↓	91	Finland
Social capital 0–100	-	55.9 ↓	39	New Zealand
1.05 Social capital 0–100 (best)	55.9	55.9 ↓	36	New Zealand
Checks and balances 0–100	-	45.5 ↓	90	Finland
1.06 Budget transparency 0–100 (best)	46	46.0	52	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.6	27.5 ↓	120	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.3	37.9 ↓	78	Finland
1.09 Freedom of the press 0–100 (worst)	29.5	70.5 ↓	58	Norway
Public-sector performance 0–100	-	45.5 ↑	95	Singapore
1.10 Burden of government regulation 1–7 (best)	2.8	30.1 ↓	117	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.0	32.6 ↑	114	Singapore
1.12 E-Participation 0–1 (best)	0.74	73.6 =	62	Multiple (3)
Transparency 0–100	-	37.0 ↑	81	Denmark
1.13 Incidence of corruption 0–100 (best)	37.0	37.0 ↑	81	Denmark
Property rights 0–100	-	41.6 ↓	113	Finland
1.14 Property rights 1–7 (best)	3.5	42.2 ↓	124	Finland
1.15 Intellectual property protection 1–7 (best)	3.1	34.3 ↓	131	Finland
1.16 Quality of land administration 0–30 (best)	14.5	48.3 =	76	Multiple (5)
Corporate governance 0–100	-	61.4 ↑	64	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.9	48.2 ↑	116	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.3	73.0 =	21	Kenya
1.19 Shareholder governance 0–10 (best)	6.3	63.0 ↑	55	Kazakhstan
Future orientation of government 0–100	-	37.2	127	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.9	32.3	121	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.6	25.9	129	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.0	32.7	117	United States
1.23 Government long-term vision 1–7 (best)	2.2	19.3	132	Singapore
1.24 Energy efficiency regulation 0–100 (best)	32.5	32.5	73	Italy
1.25 Renewable energy regulation 0–100 (best)	28.7	28.7	100	Germany
1.26 Environment-related treaties in force count (out of 29)	23	79.3	56	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	56.6 ↑	101	Singapore
Transport infrastructure 0–100	-	35.5 ↑	119	Singapore
2.01 Road connectivity 0–100 (best)	59.2	59.2 ↑	112	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.1	34.7 ↓	112	Singapore
2.03 Railroad density km/1,000 km ²	1.2	2.9 ↑	96	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.5	41.4 ↑	55	Japan
2.05 Airport connectivity score	9,490.1	31.5 =	97	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.6	43.3 ↑	117	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)	1.6	10.2 ↓	137	Singapore
Utility infrastructure 0–100	-	77.6 ↓	91	Iceland
2.09 Electricity access % of population	90.8	90.8 ↓	99	Multiple (67)
2.10 Electricity supply quality % of output	11.5	92.1 ↓	73	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	30.1	71.3 ↓	91	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.4	56.2 ↑	92	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	46.5 ↓	96	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	133.2	100.0 =	36	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	83.7	N/Appl.	55	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	9.7	19.3 ↑	76	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.1	N/Appl.	71	Korea, Rep.
3.05 Internet users % of adult population	23.7	23.7 ↑	119	Qatar
 4th pillar: Macroeconomic stability 0–100	-	66.7 ↑	120	Multiple (33)
4.01 Inflation %	6.1	94.1 ↓	116	Multiple (88)
4.02 Debt dynamics 0–100 (best)	39.3	39.3 ↑	129	Multiple (34)
 5th pillar: Health 0–100	-	63.3 ↑	106	Multiple (4)
5.01 Healthy life expectancy years	60.3	63.3 ↑	105	Multiple (4)
 6th pillar: Skills 0–100	-	56.5 ↓	95	Switzerland
Current workforce 0–100	-	52.4 ↑	87	Switzerland
6.01 Mean years of schooling years	9.5	63.3 =	71	Germany
Skills of current workforce 0–100	-	41.5 ↑	119	Switzerland
6.02 Extent of staff training 1–7 (best)	3.7	45.8 ↑	94	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.7	44.4 ↑	100	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.5	40.9 ↑	119	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.8	46.3 ↑	96	Finland
6.06 Ease of finding skilled employees 1–7 (best)	2.8	29.9 ↑	140	United States
Future workforce 0–100	-	60.7 ↓	97	Denmark
6.07 School life expectancy years	14.6	81.1 ↓	63	Multiple (11)
Skills of future workforce 0–100	-	40.3 ↓	113	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.9	31.6 ↑	114	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	30.4	49.1 ↓	110	Multiple (5)
 7th pillar: Product market 0–100	-	50.0 ↓	106	Hong Kong SAR
Domestic competition 0–100	-	38.3 ↑	133	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	2.9	32.1 ↓	129	Singapore
7.02 Extent of market dominance 1–7 (best)	2.4	23.1 ↑	137	Switzerland
7.03 Competition in services 1–7 (best)	4.6	59.7 ↑	104	Hong Kong SAR
Trade openness 0–100	-	61.8 ↓	48	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.0	49.9 ↓	114	Singapore
7.05 Trade tariffs %	4.43	70.5 ↑	58	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.8	96.1 ↓	5	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.2	30.6 =	120	Germany
 8th pillar: Labour market 0–100	-	64.0 ↑	42	Singapore
Flexibility 0–100	-	57.4 ↓	69	Singapore
8.01 Redundancy costs weeks of salary	8.6	90.4 ↑	17	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.8	46.5 ↑	79	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.3	55.4 ↑	84	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.7	77.9 ↓	19	Estonia
8.05 Active labour market policies 1–7 (best)	2.9	32.4 ↑	88	Switzerland
8.06 Workers' rights 0–100 (best)	n/a	63.0 ↓	n/a	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.4	39.3 ↑	126	Albania
8.08 Internal labour mobility 1–7 (best)	4.3	54.5 ↓	95	United States
Meritocracy and incentivization 0–100	-	70.6 ↑	31	Denmark
8.09 Reliance on professional management 1–7 (best)	4.1	52.1 ↑	86	Finland
8.10 Pay and productivity 1–7 (best)	3.6	43.6 ↑	98	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.94	92.7 ↑	16	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	-	50.5 ↑	108	Hong Kong SAR
Depth 0–100	-	24.7 ↓	114	United States
9.01 Domestic credit to private sector % GDP	54.6	57.5 ↓	63	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.9	32.2 ↓	124	Finland
9.03 Venture capital availability 1–7 (best)	2.2	19.6 ↑	124	United States
9.04 Market capitalization % GDP	7.0	7.0 ↑	99	Multiple (15)
9.05 Insurance premium volume to GDP	0.4	7.2 ↓	122	Multiple (17)
Stability 0–100	-	82.8 ↑	104	Finland
9.06 Soundness of banks 1–7 (best)	3.8	47.3 ↑	120	Finland
9.07 Non-performing loans % of gross total loans	8.5	83.8 ↓	98	Multiple (3)
9.08 Credit gap %	-8.0	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.4	100.0 =	66	Multiple (74)
 10th pillar: Market size 0–100	-	41.8 ↑	103	China
10.01 Gross domestic product PPP \$ billions	39	N/Appl.	105	China
10.02 Imports of goods and services % GDP	68.6	N/Appl.	26	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	53.3 ↓	108	United States
Administrative requirements 0–100	-	61.9 ↓	101	United States
11.01 Cost of starting a business % of GNI per capita	1.3	99.4 ↑	34	Multiple (2)
11.02 Time to start a business days	11.0	89.4 ↓	65	New Zealand
11.03 Insolvency recovery rate cents to the dollar	16.9	18.2 ↓	121	Japan
11.04 Insolvency regulatory framework 0–16 (best)	6.5	40.6 ↓	112	Multiple (6)
Entrepreneurial culture 0–100	-	44.7 ↑	105	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.7	45.7 ↑	101	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.4	40.8 ↑	130	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.0	50.8 ↑	73	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.5	41.4 ↑	84	Israel
 12th pillar: Innovation capability 0–100	-	32.3 ↑	93	Germany
Interaction and diversity 0–100	-	35.2 ↑	96	Singapore
12.01 Diversity of workforce 1–7 (best)	4.9	64.4 ↓	39	Singapore
12.02 State of cluster development 1–7 (best)	3.0	33.7 ↑	124	Italy
12.03 International co-inventions per million pop.	0.15	4.4 ↑	74	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.3	38.5 ↑	105	Israel
Research and development 0–100	-	20.2 ↑	107	Japan
12.05 Scientific publications score	84.3	65.9 ↑	110	Multiple (9)
12.06 Patent applications per million pop.	0.72	9.9 ↑	73	Multiple (8)
12.07 R&D expenditures % GDP	0.1	4.5 ↓	103	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4	112	Multiple (7)
Commercialization 0–100	-	50.9 ↑	86	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.2	36.9 ↑	96	Korea, Rep.
12.10 Trademark applications per million pop.	410.97	64.8 ↓	79	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/>