

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 68th/140

Performance Overview 2019

Key ◊ Previous edition ▲ High-income group average □ Europe and North America average





Selected contextual indicators

Population millions	4.1	GDP (PPP) % world GDP	0.08
GDP per capita US\$	14,815.9	5-year average FDI inward flow % GDP	2.9
10-year average annual GDP growth %	0.7		

Social and environmental performance

Renewable energy consumption share %	33.1	Global Gender Gap Index 0-1 (gender parity)	0.7
Unemployment rate %	8.9	Income Gini 0 (perfect equality) -100 (perfect inequality)	31.1

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	51.8 ↓	77	Finland
Security 0–100	-	78.7 ↓	57	Finland
1.01 Organized crime 1–7 (best)	4.7	62.4 ↓	63	Finland
1.02 Homicide rate per 100,000 pop.	1.1	98.0 ↓	35	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	28	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.3	54.4 ↓	73	Finland
Social capital 0–100	-	45.9 ↑	107	New Zealand
1.05 Social capital 0–100 (best)	45.9	45.9 ↑	99	New Zealand
Checks and balances 0–100	-	42.0 ↑	103	Finland
1.06 Budget transparency 0–100 (best)	57	57.0	34	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.4	23.0 ↓	126	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.0	16.9 ↑	138	Finland
1.09 Freedom of the press 0–100 (worst)	29.0	71.0 ↓	53	Norway
Public-sector performance 0–100	-	35.8 ↑	122	Singapore
1.10 Burden of government regulation 1–7 (best)	1.9	15.8 ↑	139	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	1.9	14.6 ↑	140	Singapore
1.12 E-Participation 0–1 (best)	0.77	77.0 =	56	Multiple (3)
Transparency 0–100	-	48.0 ↓	54	Denmark
1.13 Incidence of corruption 0–100 (best)	48.0	48.0 ↓	54	Denmark
Property rights 0–100	-	56.8 ↑	59	Finland
1.14 Property rights 1–7 (best)	3.8	45.9 ↑	111	Finland
1.15 Intellectual property protection 1–7 (best)	3.8	46.2 ↑	96	Finland
1.16 Quality of land administration 0–30 (best)	23.5	78.3 ↑	28	Multiple (5)
Corporate governance 0–100	-	60.7 ↓	70	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.9	48.1 ↓	117	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 =	68	Kenya
1.19 Shareholder governance 0–10 (best)	7.7	77.0 ↓	12	Kazakhstan
Future orientation of government 0–100	-	46.4	105	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.6	27.1	132	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.2	19.9	136	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.7	28.6	120	United States
1.23 Government long-term vision 1–7 (best)	1.9	15.1	137	Singapore
1.24 Energy efficiency regulation 0–100 (best)	64.5	64.5	36	Italy
1.25 Renewable energy regulation 0–100 (best)	56.0	56.0	51	Germany
1.26 Environment-related treaties in force count (out of 29)	26	89.7	17	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	78.2 ↑	32	Singapore
Transport infrastructure 0–100	-	62.1 ↑	36	Singapore
2.01 Road connectivity 0–100 (best)	78.6	78.6 ↑	57	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.6	76.7 ↑	13	Singapore
2.03 Railroad density km/1,000 km ²	46.6	100.0 =	21	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.4	23.9 ↓	87	Japan
2.05 Airport connectivity score	62,572.6	55.2 =	56	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.8	62.6 ↑	63	Singapore
2.07 Liner shipping connectivity 0–100 (best)	38.4	38.4 ↑	47	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.7	61.0 ↑	48	Singapore
Utility infrastructure 0–100	-	94.4 ↑	38	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	9.8	93.9 ↑	60	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	4.6	97.4 ↑	40	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	6.2	86.3 ↑	29	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	60.7 ↑	60	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	105.6	88.0 ↑	90	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	79.5	N/Appl.	63	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	27.0	53.9 ↑	39	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.3	N/Appl.	67	Korea, Rep.
3.05 Internet users % of adult population	72.7	72.7 ↓	60	Qatar
 4th pillar: Macroeconomic stability 0–100	-	90.0 ↑	43	Multiple (33)
4.01 Inflation %	1.3	100.0 ↑	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	80.0	80.0 ↑	43	Multiple (34)
 5th pillar: Health 0–100	-	85.7 ↑	47	Multiple (4)
5.01 Healthy life expectancy years	67.4	85.7 ↑	46	Multiple (4)
 6th pillar: Skills 0–100	-	63.5 ↑	69	Switzerland
Current workforce 0–100	-	57.3 ↑	71	Switzerland
6.01 Mean years of schooling years	11.2	74.7 =	41	Germany
Skills of current workforce 0–100	-	39.9 ↑	128	Switzerland
6.02 Extent of staff training 1–7 (best)	3.3	37.8 ↑	128	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.5	41.2 ↓	116	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.4	39.2 ↓	126	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.7	45.3 ↑	101	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.2	35.9 ↓	137	United States
Future workforce 0–100	-	69.7 ↑	70	Denmark
6.07 School life expectancy years	15.0	83.1 =	56	Multiple (11)
Skills of future workforce 0–100	-	56.2 ↑	77	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.3	21.2 ↓	138	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	13.5	91.2 ↑	37	Multiple (5)
 7th pillar: Product market 0–100	-	53.2 ↓	86	Hong Kong SAR
Domestic competition 0–100	-	46.0 ↑	108	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.4	39.4 ↑	105	Singapore
7.02 Extent of market dominance 1–7 (best)	3.1	34.4 ↑	121	Switzerland
7.03 Competition in services 1–7 (best)	4.9	64.3 ↓	79	Hong Kong SAR
Trade openness 0–100	-	60.3 ↓	57	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.0	67.2 ↓	22	Singapore
7.05 Trade tariffs %	1.05	93.0 ↓	6	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	2.9	31.6 ↓	113	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	3.0	49.5 =	40	Germany
 8th pillar: Labour market 0–100	-	56.0 ↑	94	Singapore
Flexibility 0–100	-	51.5 ↑	117	Singapore
8.01 Redundancy costs weeks of salary	15.1	76.9 ↑	66	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	2.6	26.4 ↑	136	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.4	39.8 ↑	135	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.0	67.2 ↑	66	Estonia
8.05 Active labour market policies 1–7 (best)	3.3	38.4 ↑	72	Switzerland
8.06 Workers' rights 0–100 (best)	90.0	90.0 ↑	14	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.0	33.2 ↑	137	Albania
8.08 Internal labour mobility 1–7 (best)	3.4	40.2 ↑	126	United States
Meritocracy and incentivization 0–100	-	60.4 ↓	80	Denmark
8.09 Reliance on professional management 1–7 (best)	3.4	39.6 ↑	127	Finland
8.10 Pay and productivity 1–7 (best)	3.4	39.8 ↑	119	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.82	78.0 ↓	49	Multiple (4)
8.12 Labour tax rate %	19.4	84.2 =	87	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	61.9 ↑	63	Hong Kong SAR
Depth 0–100	-	42.0 ↑	60	United States
9.01 Domestic credit to private sector % GDP	60.7	63.9 ↓	56	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.5	41.1 ↑	104	Finland
9.03 Venture capital availability 1–7 (best)	2.6	27.1 ↑	106	United States
9.04 Market capitalization % GDP	39.2	39.2 ↑	50	Multiple (15)
9.05 Insurance premium volume to GDP	2.3	38.7 ↓	51	Multiple (17)
Stability 0–100	-	86.8 ↑	78	Finland
9.06 Soundness of banks 1–7 (best)	5.1	69.0 ↑	67	Finland
9.07 Non-performing loans % of gross total loans	11.2	78.4 ↑	113	Multiple (3)
9.08 Credit gap %	-12.3	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	22.2	100.0 =	18	Multiple (74)
 10th pillar: Market size 0–100	-	50.0 ↑	78	China
10.01 Gross domestic product PPP \$ billions	95	N/Appl.	76	China
10.02 Imports of goods and services % GDP	55.0	N/Appl.	47	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	54.6 ↓	101	United States
Administrative requirements 0–100	-	71.8 ↓	64	United States
11.01 Cost of starting a business % of GNI per capita	6.6	96.7 ↑	69	Multiple (2)
11.02 Time to start a business days	22.5	77.9 ↓	106	New Zealand
11.03 Insolvency recovery rate cents to the dollar	34.8	37.5 ↑	77	Japan
11.04 Insolvency regulatory framework 0–16 (best)	12.0	75.0 =	26	Multiple (6)
Entrepreneurial culture 0–100	-	37.5 ↑	134	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.0	33.7 ↑	137	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.6	43.2 ↑	127	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.4	40.0 ↑	126	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.0	33.2 ↑	130	Israel
 12th pillar: Innovation capability 0–100	-	37.8 ↑	73	Germany
Interaction and diversity 0–100	-	30.9 ↑	121	Singapore
12.01 Diversity of workforce 1–7 (best)	3.3	38.2 ↓	134	Singapore
12.02 State of cluster development 1–7 (best)	2.8	30.7 ↑	132	Italy
12.03 International co-inventions per million pop.	1.04	21.9 ↓	44	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.0	32.9 ↑	132	Israel
Research and development 0–100	-	35.7 ↓	49	Japan
12.05 Scientific publications score	238.7	81.1 ↑	46	Multiple (9)
12.06 Patent applications per million pop.	4.14	30.1 ↓	45	Multiple (8)
12.07 R&D expenditures % GDP	0.8	28.2 ↓	42	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	3.3 ↓	64	Multiple (7)
Commercialization 0–100	-	55.6 ↑	70	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.9	31.2 ↑	117	Korea, Rep.
12.10 Trademark applications per million pop.	1,689.99	80.0 ↑	44	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/>