

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 57th/140

Performance Overview 2019

Key ◇ Previous edition △ High-income group average □ Europe and North America average





Selected contextual indicators

Population millions	10.7	GDP (PPP) % world GDP	0.23
GDP per capita US\$	20,407.9	5-year average FDI inward flow % GDP	1.4
10-year average annual GDP growth %	-2.2		

Social and environmental performance

Environmental footprint gha/capita	3.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	17.2	Income Gini 0 (perfect equality) -100 (perfect inequality)	36.0
Unemployment rate %	19.2		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	50.5 ↑	85	Finland
Security 0–100	-	77.5 ↓	60	Finland
1.01 Organized crime 1–7 (best)	4.7	61.9 ↓	68	Finland
1.02 Homicide rate per 100,000 pop.	0.7	99.3 ↑	20	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	97.3	97.3 =	108	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.1	51.2 ↓	85	Finland
Social capital 0–100	-	43.3 ↓	127	New Zealand
1.05 Social capital 0–100 (best)	43.3	43.3 ↓	118	New Zealand
Checks and balances 0–100	-	47.4 ↑	82	Finland
1.06 Budget transparency 0–100 (best)	n/a	50.0	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.5	41.4 ↓	83	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.6	27.2 ↑	118	Finland
1.09 Freedom of the press 0–100 (worst)	29.1	70.9 ↑	54	Norway
Public-sector performance 0–100	-	45.8 ↑	92	Singapore
1.10 Burden of government regulation 1–7 (best)	2.6	26.2 ↑	127	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.4	23.4 ↑	131	Singapore
1.12 E-Participation 0–1 (best)	0.88	87.6 =	33	Multiple (3)
Transparency 0–100	-	45.0 ↓	58	Denmark
1.13 Incidence of corruption 0–100 (best)	45.0	45.0 ↓	58	Denmark
Property rights 0–100	-	38.3 ↑	120	Finland
1.14 Property rights 1–7 (best)	4.0	50.0 ↑	97	Finland
1.15 Intellectual property protection 1–7 (best)	4.0	49.8 ↓	80	Finland
1.16 Quality of land administration 0–30 (best)	4.5	15.0 =	138	Multiple (5)
Corporate governance 0–100	-	57.5 ↑	82	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.8	46.6 ↑	122	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.3	53.0 =	85	Kenya
1.19 Shareholder governance 0–10 (best)	7.3	73.0 =	17	Kazakhstan
Future orientation of government 0–100	-	49.3	89	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.1	19.0	138	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.4	23.5	134	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.7	28.3	122	United States
1.23 Government long-term vision 1–7 (best)	2.1	19.0	134	Singapore
1.24 Energy efficiency regulation 0–100 (best)	60.7	60.7	41	Italy
1.25 Renewable energy regulation 0–100 (best)	81.7	81.7	12	Germany
1.26 Environment-related treaties in force count (out of 29)	25	86.2	26	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	77.7 ↑	37	Singapore
Transport infrastructure 0–100	-	60.6 ↑	39	Singapore
2.01 Road connectivity 0–100 (best)	75.8	75.8 ↑	73	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.6	60.7 ↓	44	Singapore
2.03 Railroad density km/1,000 km ²	17.4	43.4 ↑	46	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.0	33.5 ↓	70	Japan
2.05 Airport connectivity score	232,147.0	77.2 =	27	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.4	72.6 ↑	35	Singapore
2.07 Liner shipping connectivity 0–100 (best)	59.4	59.4 ↑	28	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.8	62.5 ↑	43	Singapore
Utility infrastructure 0–100	-	94.7 ↑	35	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	6.3	97.6 ↑	33	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	0.2	100.0 =	5	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	5.9	81.1 ↓	41	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	64.7 ↑	52	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	115.7	96.4 ↓	73	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	82.0	N/Appl.	57	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	37.7	75.3 ↑	14	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.1	N/Appl.	99	Korea, Rep.
3.05 Internet users % of adult population	73.0	73.0 ↑	59	Qatar
 4th pillar: Macroeconomic stability 0–100	-	75.0 ↑	64	Multiple (33)
4.01 Inflation %	1.0	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	50.0	50.0 ↑	64	Multiple (34)
 5th pillar: Health 0–100	-	93.5 ↓	23	Multiple (4)
5.01 Healthy life expectancy years	69.9	93.5 ↓	22	Multiple (4)
 6th pillar: Skills 0–100	-	70.5 ↑	41	Switzerland
Current workforce 0–100	-	59.0 ↓	64	Switzerland
6.01 Mean years of schooling years	10.3	68.4 ↓	55	Germany
Skills of current workforce 0–100	-	49.6 ↓	82	Switzerland
6.02 Extent of staff training 1–7 (best)	3.6	43.3 ↓	108	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.5	42.4 ↑	109	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.3	55.8 ↓	47	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.1	51.8 ↓	75	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.3	54.5 ↓	64	United States
Future workforce 0–100	-	82.0 ↑	21	Denmark
6.07 School life expectancy years	17.9	99.5 ↑	12	Multiple (11)
Skills of future workforce 0–100	-	64.5 ↑	53	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.7	29.0 ↑	122	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	9.3	100.0 =	5	Multiple (5)
 7th pillar: Product market 0–100	-	53.8 ↓	81	Hong Kong SAR
Domestic competition 0–100	-	49.5 ↑	87	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.3	37.7 ↑	109	Singapore
7.02 Extent of market dominance 1–7 (best)	3.7	44.4 ↓	82	Switzerland
7.03 Competition in services 1–7 (best)	5.0	66.5 ↓	68	Hong Kong SAR
Trade openness 0–100	-	58.1 ↓	68	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.7	62.4 ↓	39	Singapore
7.05 Trade tariffs %	1.12	92.5 ↑	7	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)	2.8	46.0 =	48	Germany
 8th pillar: Labour market 0–100	-	52.7 ↑	111	Singapore
Flexibility 0–100	-	47.0 ↑	133	Singapore
8.01 Redundancy costs weeks of salary	15.9	75.2 ↓	71	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.8	46.0 ↑	82	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.0	50.3 ↑	109	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.3	55.8 ↓	119	Estonia
8.05 Active labour market policies 1–7 (best)	2.9	32.4 ↑	89	Switzerland
8.06 Workers' rights 0–100 (best)	10.0	10.0	116	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.4	57.3 ↑	43	Albania
8.08 Internal labour mobility 1–7 (best)	3.9	48.7 ↑	113	United States
Meritocracy and incentivization 0–100	-	58.5 ↓	90	Denmark
8.09 Reliance on professional management 1–7 (best)	3.9	49.2 ↓	97	Finland
8.10 Pay and productivity 1–7 (best)	3.5	41.4 ↑	109	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.77	71.7 ↓	60	Multiple (4)
8.12 Labour tax rate %	28.3	71.8 ↓	117	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	49.0 ↓	115	Hong Kong SAR
Depth 0–100	-	40.9 ↑	63	United States
9.01 Domestic credit to private sector % GDP	107.4	100.0 =	25	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.6	26.7 ↑	133	Finland
9.03 Venture capital availability 1–7 (best)	2.3	21.3 ↑	120	United States
9.04 Market capitalization % GDP	22.0	22.0 ↑	75	Multiple (15)
9.05 Insurance premium volume to GDP	2.1	34.4 ↓	56	Multiple (17)
Stability 0–100	-	59.1 ↓	140	Finland
9.06 Soundness of banks 1–7 (best)	2.7	27.8 ↑	139	Finland
9.07 Non-performing loans % of gross total loans	45.6	8.9 ↓	138	Multiple (3)
9.08 Credit gap %	-21.9	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	16.8	99.7 ↑	76	Multiple (74)
 10th pillar: Market size 0–100	-	59.6 ↑	57	China
10.01 Gross domestic product PPP \$ billions	278	N/Appl.	54	China
10.02 Imports of goods and services % GDP	39.2	N/Appl.	82	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	58.8 ↑	76	United States
Administrative requirements 0–100	-	74.5 ↓	58	United States
11.01 Cost of starting a business % of GNI per capita	1.5	99.3 ↑	37	Multiple (2)
11.02 Time to start a business days	12.5	87.9 =	75	New Zealand
11.03 Insolvency recovery rate cents to the dollar	33.2	35.7 ↓	82	Japan
11.04 Insolvency regulatory framework 0–16 (best)	12.0	75.0 =	26	Multiple (6)
Entrepreneurial culture 0–100	-	43.1 ↑	113	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.8	46.6 ↑	92	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.0	49.7 ↑	109	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.4	40.1 ↑	124	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.2	35.9 ↑	123	Israel
 12th pillar: Innovation capability 0–100	-	45.1 ↑	47	Germany
Interaction and diversity 0–100	-	33.4 ↓	107	Singapore
12.01 Diversity of workforce 1–7 (best)	3.7	45.4 ↓	126	Singapore
12.02 State of cluster development 1–7 (best)	2.9	31.8 ↓	128	Italy
12.03 International co-inventions per million pop.	1.02	21.6 ↓	47	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.1	34.9 ↑	123	Israel
Research and development 0–100	-	45.7 ↑	37	Japan
12.05 Scientific publications score	434.0	90.0 ↑	30	Multiple (9)
12.06 Patent applications per million pop.	9.34	42.9 ↓	38	Multiple (8)
12.07 R&D expenditures % GDP	1.0	33.6 ↑	35	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.06	16.2 ↓	31	Multiple (7)
Commercialization 0–100	-	67.5 ↑	38	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.3	38.6 ↑	87	Korea, Rep.
12.10 Trademark applications per million pop.	n/a	96.4 ↓	n/a	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/>