

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 101st/140

Performance Key ◇ Previous edition ▲ Lower-middle-income group average □ Latin America and the Caribbean average
Overview 2019





Selected contextual indicators

Population millions	9.4	GDP (PPP) % world GDP	0.04
GDP per capita US\$	2,521.2	5-year average FDI inward flow % GDP	5.7
10-year average annual GDP growth %	3.3		

Social and environmental performance

Environmental footprint gha/capita	2.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	51.5	Income Gini 0 (perfect equality) -100 (perfect inequality)	50.5
Unemployment rate %	4.1		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	43.8 ↓	116	Finland
Security 0–100	-	41.2 =	137	Finland
1.01 Organized crime 1–7 (best)	2.8	30.0 =	136	Finland
1.02 Homicide rate per 100,000 pop.	41.7	0.0	138	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.9	99.9 =	66	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.1	35.1 =	124	Finland
Social capital 0–100	-	52.8 ↑	57	New Zealand
1.05 Social capital 0–100 (best)	52.8	52.8 ↑	52	New Zealand
Checks and balances 0–100	-	42.0 ↓	102	Finland
1.06 Budget transparency 0–100 (best)	54	54.0	39	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.9	32.5 =	108	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.8	30.2 =	103	Finland
1.09 Freedom of the press 0–100 (worst)	48.5	51.5 ↓	119	Norway
Public-sector performance 0–100	-	40.0 ↓	110	Singapore
1.10 Burden of government regulation 1–7 (best)	2.8	29.7 =	118	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.2	35.9 =	100	Singapore
1.12 E-Participation 0–1 (best)	0.54	54.5 =	99	Multiple (3)
Transparency 0–100	-	29.0 =	111	Denmark
1.13 Incidence of corruption 0–100 (best)	29.0	29.0 =	111	Denmark
Property rights 0–100	-	49.1 =	83	Finland
1.14 Property rights 1–7 (best)	4.1	51.7 =	88	Finland
1.15 Intellectual property protection 1–7 (best)	3.9	49.0 =	84	Finland
1.16 Quality of land administration 0–30 (best)	14.0	46.7 =	80	Multiple (5)
Corporate governance 0–100	-	52.4 ↓	99	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.4	73.2 =	32	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 =	68	Kenya
1.19 Shareholder governance 0–10 (best)	2.7	27.0 ↓	137	Kazakhstan
Future orientation of government 0–100	-	43.7	115	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.4	39.8	104	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.1	35.4	103	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.5	42.1	76	United States
1.23 Government long-term vision 1–7 (best)	4.2	52.9	56	Singapore
1.24 Energy efficiency regulation 0–100 (best)	12.3	12.3	106	Italy
1.25 Renewable energy regulation 0–100 (best)	39.3	39.3	86	Germany
1.26 Environment-related treaties in force count (out of 29)	24	82.8	36	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	57.4 ↓	99	Singapore
Transport infrastructure 0–100	-	43.1 ↑	95	Singapore
2.01 Road connectivity 0–100 (best)	55.7	55.7 ↑	120	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.1	50.9 =	66	Singapore
2.03 Railroad density km/1,000 km ²	n/a	n/a	n/a	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	not assessed	n/a	n/a	Japan
2.05 Airport connectivity score	7,900.3	29.6 =	106	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.3	54.6 =	90	Singapore
2.07 Liner shipping connectivity 0–100 (best)	11.0	11.0 ↓	82	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.4	56.6 =	58	Singapore
Utility infrastructure 0–100	-	71.7 ↓	101	Iceland
2.09 Electricity access % of population	75.0	75.0 ↓	110	Multiple (67)
2.10 Electricity supply quality % of output	16.4	87.0 ↓	103	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	23.6	78.0 ↓	84	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.8	46.8 =	111	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	30.2 ↑	124	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	79.2	66.0 ↓	123	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	32.1	N/Appl.	119	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	3.7	7.4 ↑	96	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	107	Korea, Rep.
3.05 Internet users % of adult population	31.7	31.7 ↑	112	Qatar
 4th pillar: Macroeconomic stability 0–100	-	74.7 ↑	83	Multiple (33)
4.01 Inflation %	4.1	99.6 ↓	96	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.7	49.7 ↑	93	Multiple (34)
 5th pillar: Health 0–100	-	77.8 ↑	80	Multiple (4)
5.01 Healthy life expectancy years	64.9	77.8 ↑	79	Multiple (4)
 6th pillar: Skills 0–100	-	49.5 ↑	108	Switzerland
Current workforce 0–100	-	46.3 ↑	106	Switzerland
6.01 Mean years of schooling years	6.5	43.5 ↑	110	Germany
Skills of current workforce 0–100	-	49.1 =	85	Switzerland
6.02 Extent of staff training 1–7 (best)	4.1	52.1 =	55	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.9	48.9 =	82	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.0	50.1 =	76	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.6	43.9 =	109	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.0	50.5 =	84	United States
Future workforce 0–100	-	52.7 ↑	111	Denmark
6.07 School life expectancy years	10.2	56.8 ↑	107	Multiple (11)
Skills of future workforce 0–100	-	48.6 ↑	95	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.2	36.2 =	93	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	25.6	61.0 ↑	97	Multiple (5)
 7th pillar: Product market 0–100	-	55.3 ↓	65	Hong Kong SAR
Domestic competition 0–100	-	48.4 =	93	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.4	40.0 =	103	Singapore
7.02 Extent of market dominance 1–7 (best)	3.6	43.1 =	92	Switzerland
7.03 Competition in services 1–7 (best)	4.7	62.1 =	86	Hong Kong SAR
Trade openness 0–100	-	62.2 ↓	44	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.1	51.9 =	102	Singapore
7.05 Trade tariffs %	4.07	72.9 ↑	54	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.6	93.2 ↓	25	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.2	31.0 =	119	Germany
 8th pillar: Labour market 0–100	-	55.9 ↓	95	Singapore
Flexibility 0–100	-	53.7 ↑	100	Singapore
8.01 Redundancy costs weeks of salary	30.3	45.2 ↑	125	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.7	45.6 =	84	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.7	62.0 =	47	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.4	57.4 =	113	Estonia
8.05 Active labour market policies 1–7 (best)	2.4	24.0 =	113	Switzerland
8.06 Workers' rights 0–100 (best)	63.0	63.0 ↑	102	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.5	58.9 =	33	Albania
8.08 Internal labour mobility 1–7 (best)	5.4	73.8 =	6	United States
Meritocracy and incentivization 0–100	-	58.2 ↓	92	Denmark
8.09 Reliance on professional management 1–7 (best)	4.2	52.9 =	83	Finland
8.10 Pay and productivity 1–7 (best)	3.8	47.3 =	77	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.46	32.4 ↓	107	Multiple (4)
8.12 Labour tax rate %	3.3	100.0 =	12	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	59.8 ↓	71	Hong Kong SAR
Depth 0–100	-	33.5 ↑	87	United States
9.01 Domestic credit to private sector % GDP	56.5	59.5 ↑	61	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.0	49.6 =	64	Finland
9.03 Venture capital availability 1–7 (best)	3.0	32.8 =	87	United States
9.04 Market capitalization % GDP	0.0	0.0	125	Multiple (15)
9.05 Insurance premium volume to GDP	1.5	25.7 ↓	73	Multiple (17)
Stability 0–100	-	92.6 ↓	34	Finland
9.06 Soundness of banks 1–7 (best)	5.8	80.2 =	26	Finland
9.07 Non-performing loans % of gross total loans	2.4	96.2 ↑	38	Multiple (3)
9.08 Credit gap %	-1.3	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	14.2	94.1 ↓	117	Multiple (74)
 10th pillar: Market size 0–100	-	42.5 ↑	100	China
10.01 Gross domestic product PPP \$ billions	44	N/Appl.	100	China
10.02 Imports of goods and services % GDP	60.2	N/Appl.	38	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	54.0 ↑	103	United States
Administrative requirements 0–100	-	57.8 ↑	115	United States
11.01 Cost of starting a business % of GNI per capita	40.7	79.6 ↑	126	Multiple (2)
11.02 Time to start a business days	13.0	87.4 =	78	New Zealand
11.03 Insolvency recovery rate cents to the dollar	19.0	20.5 ↑	118	Japan
11.04 Insolvency regulatory framework 0–16 (best)	7.0	43.8 =	101	Multiple (6)
Entrepreneurial culture 0–100	-	50.1 =	72	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.4	56.1 =	37	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.4	56.0 =	70	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.9	48.5 =	85	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	39.8 =	97	Israel
 12th pillar: Innovation capability 0–100	-	30.6 ↓	106	Germany
Interaction and diversity 0–100	-	37.0 ↓	85	Singapore
12.01 Diversity of workforce 1–7 (best)	4.5	58.8 =	61	Singapore
12.02 State of cluster development 1–7 (best)	3.8	46.0 =	75	Italy
12.03 International co-inventions per million pop.	0.01	0.4 ↓	112	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.6	42.8 =	90	Israel
Research and development 0–100	-	15.5 ↓	135	Japan
12.05 Scientific publications score	58.0	60.4 ↑	126	Multiple (9)
12.06 Patent applications per million pop.	0.06	1.0 ↑	102	Multiple (8)
12.07 R&D expenditures % GDP	0.0	0.5 ↓	124	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
Commercialization 0–100	-	48.2 ↓	97	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.2	36.3 =	99	Korea, Rep.
12.10 Trademark applications per million pop.	266.89	60.1 ↓	90	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/>