

Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 96th/140

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



Selected contextual indicators

Population millions	17.3	GDP (PPP) % world GDP	0.11
GDP per capita US\$	4,575.1	5-year average FDI inward flow % GDP	1.6
10-year average annual GDP growth %	3.0		

Social and environmental performance

Environmental footprint gha/capita	1.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	63.7	Income Gini 0 (perfect equality) -100 (perfect inequality)	48.3
Unemployment rate %	2.7		

Index Component	Value	Score *	Rank/141	Best Performer
1st pillar: Institutions 0–100	-	42.4 ↓	121	Finland
Security 0–100	-	42.9 ↑	134	Finland
1.01 Organized crime 1–7 (best)	2.5	25.2 ↓	137	Finland
1.02 Homicide rate per 100,000 pop.	26.1	13.2 ↑	131	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	40	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.0	33.2 ↑	127	Finland
Social capital 0–100	-	52.2 ↓	59	New Zealand
1.05 Social capital 0–100 (best)	52.2	52.2 ↓	54	New Zealand
Checks and balances 0–100	-	46.1 ↓	87	Finland
1.06 Budget transparency 0–100 (best)	61	61.0	25	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.1	34.5 ↓	100	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.5	24.6 ↓	122	Finland
1.09 Freedom of the press 0–100 (worst)	35.9	64.1 ↑	95	Norway
Public-sector performance 0–100	-	41.1 ↑	106	Singapore
1.10 Burden of government regulation 1–7 (best)	3.0	33.7 ↑	100	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.7	27.6 ↓	123	Singapore
1.12 E-Participation 0–1 (best)	0.62	61.8 =	89	Multiple (3)
Transparency 0–100	-	27.0 ↓	121	Denmark
1.13 Incidence of corruption 0–100 (best)	27.0	27.0 ↓	121	Denmark
Property rights 0–100	-	47.6 ↑	88	Finland
1.14 Property rights 1–7 (best)	4.2	53.1 ↑	81	Finland
1.15 Intellectual property protection 1–7 (best)	3.7	44.7 ↓	103	Finland
1.16 Quality of land administration 0–30 (best)	13.5	45.0 ↑	86	Multiple (5)
Corporate governance 0–100	-	43.3 ↓	122	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.0	66.8 ↓	53	Finland
1.18 Conflict of interest regulation 0–10 (best)	3.3	33.0 =	133	Kenya
1.19 Shareholder governance 0–10 (best)	3.0	30.0 =	132	Kazakhstan
Future orientation of government 0–100	-	39.5	122	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.0	32.6	120	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.4	23.6	133	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.3	38.9	90	United States
1.23 Government long-term vision 1–7 (best)	2.2	20.2	131	Singapore
1.24 Energy efficiency regulation 0–100 (best)	28.9	28.9	83	Italy
1.25 Renewable energy regulation 0–100 (best)	49.3	49.3	72	Germany
1.26 Environment-related treaties in force count (out of 29)	21	72.4	79	Multiple (6)
2nd pillar: Infrastructure 0–100	-	55.9 ↓	102	Singapore
Transport infrastructure 0–100	-	37.2 ↑	114	Singapore
2.01 Road connectivity 0–100 (best)	38.0	38.0 ↑	134	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.4	24.1 ↓	132	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	13,927.0	35.6 =	89	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.1	52.4 ↑	95	Singapore
2.07 Liner shipping connectivity 0–100 (best)	24.5	24.5 ↑	63	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.9	48.4 ↑	80	Singapore
Utility infrastructure 0–100	-	74.5 ↓	95	Iceland
2.09 Electricity access % of population	92.0	92.0 ↓	98	Multiple (67)
2.10 Electricity supply quality % of output	12.1	91.6 ↓	78	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	43.0	58.2 ↓	101	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.4	56.4 ↓	91	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
3rd pillar: ICT adoption 0–100	-	37.7 ↑	110	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	118.7	98.9 ↑	68	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	16.5	N/Appl.	132	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	3.1	6.3 ↑	99	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.1	N/Appl.	95	Korea, Rep.
3.05 Internet users % of adult population	65.0	65.0 ↑	73	Qatar
4th pillar: Macroeconomic stability 0–100	-	74.8 ↑	81	Multiple (33)
4.01 Inflation %	4.1	99.8 ↑	94	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.9	49.9 ↓	88	Multiple (34)
5th pillar: Health 0–100	-	74.0 ↓	88	Multiple (4)
5.01 Healthy life expectancy years	63.7	74.0 ↓	87	Multiple (4)
6th pillar: Skills 0–100	-	51.4 ↓	103	Switzerland
Current workforce 0–100	-	46.8 ↓	103	Switzerland
6.01 Mean years of schooling years	6.4	42.5 ↓	113	Germany
Skills of current workforce 0–100	-	51.1 ↓	72	Switzerland
6.02 Extent of staff training 1–7 (best)	4.3	55.3 ↑	47	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.5	57.7 ↓	48	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.1	51.0 ↓	73	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.3	39.1 ↓	125	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.2	52.6 ↓	73	United States
Future workforce 0–100	-	56.0 ↑	105	Denmark
6.07 School life expectancy years	10.8	59.7 ↑	103	Multiple (11)
Skills of future workforce 0–100	-	52.2 ↑	90	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.8	29.8 ↓	118	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	20.2	74.6 ↑	76	Multiple (5)
7th pillar: Product market 0–100	-	59.0 ↓	46	Hong Kong SAR
Domestic competition 0–100	-	54.5 ↓	59	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.9	47.9 ↑	63	Singapore
7.02 Extent of market dominance 1–7 (best)	3.7	44.9 ↓	77	Switzerland
7.03 Competition in services 1–7 (best)	5.2	70.8 ↓	41	Hong Kong SAR
Trade openness 0–100	-	63.5 ↓	34	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.3	54.6 ↓	87	Singapore
7.05 Trade tariffs %	3.59	76.1 ↑	51	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.7	94.3 =	21	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.2	28.9 =	124	Germany
8th pillar: Labour market 0–100	-	50.9 ↓	122	Singapore
Flexibility 0–100	-	48.0 ↑	129	Singapore
8.01 Redundancy costs weeks of salary	27.0	52.1 ↓	113	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.8	47.1 ↓	75	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.0	66.2 ↓	32	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.1	69.0 ↓	57	Estonia
8.05 Active labour market policies 1–7 (best)	1.9	15.7 ↓	133	Switzerland
8.06 Workers' rights 0–100 (best)	3.0	3.0	122	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.4	56.2 ↑	50	Albania
8.08 Internal labour mobility 1–7 (best)	5.5	75.0 ↑	3	United States
Meritocracy and incentivization 0–100	-	53.8 ↓	107	Denmark
8.09 Reliance on professional management 1–7 (best)	4.2	53.5 ↓	79	Finland
8.10 Pay and productivity 1–7 (best)	3.8	47.1 ↓	78	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.39	23.4 ↑	117	Multiple (4)
8.12 Labour tax rate %	14.3	91.2 =	62	Multiple (24)

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9th pillar: Financial system 0–100	-	57.5 ↑	81	Hong Kong SAR
Depth 0–100	-	28.4 ↑	103	United States
9.01 Domestic credit to private sector % GDP	34.0	35.8 ↑	91	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.1	51.9 ↑	49	Finland
9.03 Venture capital availability 1–7 (best)	3.1	35.7 ↑	71	United States
9.04 Market capitalization % GDP	0.0	0.0 ↑	124	Multiple (15)
9.05 Insurance premium volume to GDP	1.1	18.5 ↓	90	Multiple (17)
Stability 0–100	-	93.9 ↑	15	Finland
9.06 Soundness of banks 1–7 (best)	6.0	83.6 ↓	11	Finland
9.07 Non-performing loans % of gross total loans	2.3	96.3 ↓	37	Multiple (3)
9.08 Credit gap %	-0.8	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.0	95.9 ↑	105	Multiple (74)
10th pillar: Market size 0–100	-	51.2 ↑	75	China
10.01 Gross domestic product PPP \$ billions	129	N/Appl.	73	China
10.02 Imports of goods and services % GDP	29.3	N/Appl.	112	Hong Kong SAR
11th pillar: Business dynamism 0–100	-	55.8 ↑	96	United States
Administrative requirements 0–100	-	57.9 ↑	114	United States
11.01 Cost of starting a business % of GNI per capita	18.1	90.9 ↑	105	Multiple (2)
11.02 Time to start a business days	15.0	85.4 ↑	85	New Zealand
11.03 Insolvency recovery rate cents to the dollar	28.0	30.1 =	97	Japan
11.04 Insolvency regulatory framework 0–16 (best)	4.0	25.0 =	129	Multiple (6)
Entrepreneurial culture 0–100	-	53.7 ↓	48	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.6	60.3 ↓	22	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.5	58.6 ↑	55	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.1	51.7 ↓	67	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.7	44.4 ↑	68	Israel
12th pillar: Innovation capability 0–100	-	31.5 ↑	98	Germany
Interaction and diversity 0–100	-	35.9 ↑	94	Singapore
12.01 Diversity of workforce 1–7 (best)	4.2	54.0 ↓	89	Singapore
12.02 State of cluster development 1–7 (best)	3.7	44.3 ↑	82	Italy
12.03 International co-inventions per million pop.	0.00	0.1 ↓	123	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.7	45.5 ↓	68	Israel
Research and development 0–100	-	16.8 ↑	128	Japan
12.05 Scientific publications score	83.0	65.6 ↑	112	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.4 ↓	113	Multiple (8)
12.07 R&D expenditures % GDP	0.0	1.0 ↓	123	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
Commercialization 0–100	-	52.3 ↑	80	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.3	39.0 ↑	86	Korea, Rep.
12.10 Trademark applications per million pop.	447.47	65.7 ↑	76	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/>