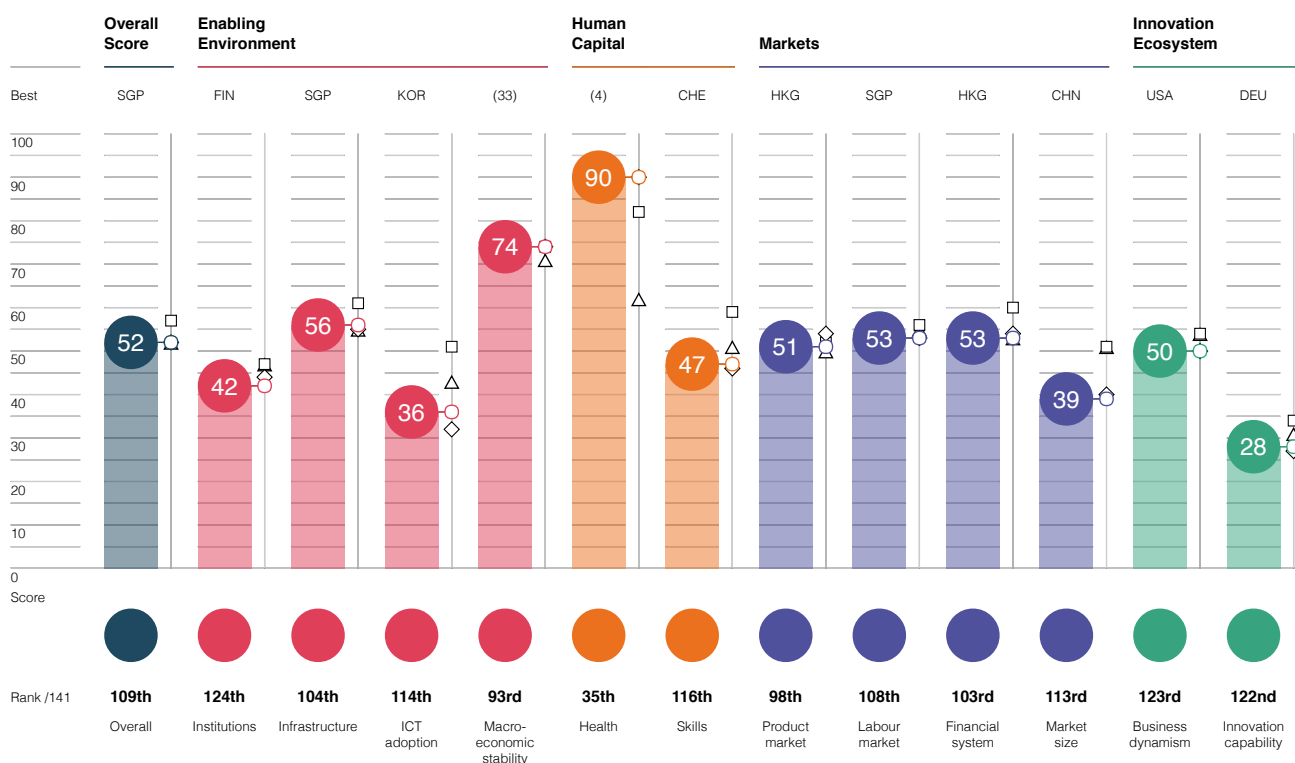


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 104th/140

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



Selected contextual indicators

Population millions	6.3	GDP (PPP) % world GDP	0.03
GDP per capita US\$	2,108.4	5-year average FDI inward flow % GDP	6.0
10-year average annual GDP growth %	3.6		

Social and environmental performance

Environmental footprint gha/capita	2.1	Global Gender Gap Index 0-1 (gender parity)	0.8
Renewable energy consumption share %	48.2	Income Gini 0 (perfect equality) -100 (perfect inequality)	46.2
Unemployment rate %	4.5		

Index Component	Value	Score *	Rank/141	Best Performer
1st pillar: Institutions 0–100	-	41.9 ↓	124	Finland
Security 0–100	-	75.9 ↓	65	Finland
1.01 Organized crime 1–7 (best)	5.6	76.3 =	28	Finland
1.02 Homicide rate per 100,000 pop.	7.4	76.6 ↓	107	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.9	99.9 =	49	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.1	50.9 =	88	Finland
Social capital 0–100	-	51.3 ↑	66	New Zealand
1.05 Social capital 0–100 (best)	51.3	51.3 ↑	61	New Zealand
Checks and balances 0–100	-	34.1 ↓	127	Finland
1.06 Budget transparency 0–100 (best)	43	43.0	60	Multiple (2)
1.07 Judicial independence 1–7 (best)	1.6	10.6 =	139	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.1	18.3 =	137	Finland
1.09 Freedom of the press 0–100 (worst)	35.5	64.5 ↓	93	Norway
Public-sector performance 0–100	-	31.0 ↓	132	Singapore
1.10 Burden of government regulation 1–7 (best)	3.0	33.2 =	104	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.3	21.0 =	135	Singapore
1.12 E-Participation 0–1 (best)	0.39	38.8 =	116	Multiple (3)
Transparency 0–100	-	25.0 ↓	127	Denmark
1.13 Incidence of corruption 0–100 (best)	25.0	25.0 ↓	127	Denmark
Property rights 0–100	-	34.0 =	128	Finland
1.14 Property rights 1–7 (best)	3.6	43.2 =	117	Finland
1.15 Intellectual property protection 1–7 (best)	3.2	37.2 =	123	Finland
1.16 Quality of land administration 0–30 (best)	6.5	21.7 =	130	Multiple (5)
Corporate governance 0–100	-	42.6 =	123	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.5	57.7 =	83	Finland
1.18 Conflict of interest regulation 0–10 (best)	4.0	40.0 =	121	Kenya
1.19 Shareholder governance 0–10 (best)	3.0	30.0 =	132	Kazakhstan
Future orientation of government 0–100	-	41.2	119	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.4	40.2	100	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.8	29.4	120	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	2.7	28.4	121	United States
1.23 Government long-term vision 1–7 (best)	3.0	32.5	115	Singapore
1.24 Energy efficiency regulation 0–100 (best)	31.5	31.5	78	Italy
1.25 Renewable energy regulation 0–100 (best)	48.6	48.6	73	Germany
1.26 Environment-related treaties in force count (out of 29)	20	69.0	95	Multiple (6)
2nd pillar: Infrastructure 0–100	-	55.6 ↑	104	Singapore
Transport infrastructure 0–100	-	40.3 ↑	107	Singapore
2.01 Road connectivity 0–100 (best)	71.0	71.0 ↑	85	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.2	53.8 =	58	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	5,604.7	26.3 =	113	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.7	45.1 =	111	Singapore
2.07 Liner shipping connectivity 0–100 (best)	8.9	8.9 ↑	89	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.2	36.4 =	106	Singapore
Utility infrastructure 0–100	-	70.9 ↓	102	Iceland
2.09 Electricity access % of population	90.0	90.0 ↑	102	Multiple (67)
2.10 Electricity supply quality % of output	22.0	81.2 ↓	118	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	30.1	71.3 ↓	92	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	3.5	41.2 =	120	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
3rd pillar: ICT adoption 0–100	-	35.9 ↑	114	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	115.1	95.9 ↓	75	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	29.6	N/Appl.	125	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	3.0	6.0 ↓	100	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	n/a	N/Appl.	n/a	Korea, Rep.
3.05 Internet users % of adult population	27.9	27.9 ↑	114	Qatar
4th pillar: Macroeconomic stability 0–100	-	73.5 ↓	93	Multiple (33)
4.01 Inflation %	4.4	98.9 ↓	101	Multiple (88)
4.02 Debt dynamics 0–100 (best)	48.1	48.1 ↑	108	Multiple (34)
5th pillar: Health 0–100	-	90.0 ↓	35	Multiple (4)
5.01 Healthy life expectancy years	68.8	90.0 ↓	34	Multiple (4)
6th pillar: Skills 0–100	-	46.8 ↑	116	Switzerland
Current workforce 0–100	-	39.8 =	122	Switzerland
6.01 Mean years of schooling years	6.3	42.0 =	114	Germany
Skills of current workforce 0–100	-	37.5 =	135	Switzerland
6.02 Extent of staff training 1–7 (best)	3.4	40.4 =	125	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.1	34.3 =	136	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.3	37.8 =	127	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.2	36.4 =	130	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.3	38.6 =	130	United States
Future workforce 0–100	-	53.8 ↑	109	Denmark
6.07 School life expectancy years	n/a	70.0 ↑	n/a	Multiple (11)
Skills of future workforce 0–100	-	37.7 =	117	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.6	25.9 =	132	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	30.2	49.5 ↑	108	Multiple (5)
7th pillar: Product market 0–100	-	51.4 ↓	98	Hong Kong SAR
Domestic competition 0–100	-	39.1 =	130	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.1	35.2 =	117	Singapore
7.02 Extent of market dominance 1–7 (best)	2.7	29.1 =	134	Switzerland
7.03 Competition in services 1–7 (best)	4.2	53.0 =	127	Hong Kong SAR
Trade openness 0–100	-	63.7 ↓	33	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.0	50.6 =	112	Singapore
7.05 Trade tariffs %	3.90	74.0 ↓	53	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.6	93.0 ↑	29	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.5	37.0 =	91	Germany
8th pillar: Labour market 0–100	-	53.2 ↑	108	Singapore
Flexibility 0–100	-	56.6 ↑	79	Singapore
8.01 Redundancy costs weeks of salary	14.9	77.3 ↑	64	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.0	49.8 =	58	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.6	59.7 =	54	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.3	55.3 =	121	Estonia
8.05 Active labour market policies 1–7 (best)	1.7	11.4 =	140	Switzerland
8.06 Workers' rights 0–100 (best)	n/a	72.0 ↑	n/a	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.7	62.3 =	22	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	65.2 =	37	United States
Meritocracy and incentivization 0–100	-	49.8 ↑	120	Denmark
8.09 Reliance on professional management 1–7 (best)	3.4	40.5 =	124	Finland
8.10 Pay and productivity 1–7 (best)	3.3	38.5 =	123	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.54	42.2 ↑	93	Multiple (4)
8.12 Labour tax rate %	23.7	78.2 ↓	103	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
9th pillar: Financial system 0–100	-	53.1 ↓	103	Hong Kong SAR
Depth 0–100	-	24.8 ↑	113	United States
9.01 Domestic credit to private sector % GDP	39.6	41.7 ↑	86	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.3	38.9 =	116	Finland
9.03 Venture capital availability 1–7 (best)	2.2	19.6 =	123	United States
9.04 Market capitalization % GDP	0.8	0.8 =	120	Multiple (15)
9.05 Insurance premium volume to GDP	1.4	22.8 ↑	80	Multiple (17)
Stability 0–100	-	88.6 ↓	64	Finland
9.06 Soundness of banks 1–7 (best)	5.0	66.6 =	71	Finland
9.07 Non-performing loans % of gross total loans	1.0	98.9 ↓	12	Multiple (3)
9.08 Credit gap %	3.3	96.5 ↓	115	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	13.4	92.4 ↓	127	Multiple (74)
10th pillar: Market size 0–100	-	39.2 ↓	113	China
10.01 Gross domestic product PPP \$ billions	32	N/Appl.	114	China
10.02 Imports of goods and services % GDP	57.9	N/Appl.	42	Hong Kong SAR
11th pillar: Business dynamism 0–100	-	49.8 ↑	123	United States
Administrative requirements 0–100	-	59.2 ↑	111	United States
11.01 Cost of starting a business % of GNI per capita	63.6	68.2 ↑	134	Multiple (2)
11.02 Time to start a business days	14.0	86.4 =	82	New Zealand
11.03 Insolvency recovery rate cents to the dollar	35.8	38.5 ↑	75	Japan
11.04 Insolvency regulatory framework 0–16 (best)	7.0	43.8 =	101	Multiple (6)
Entrepreneurial culture 0–100	-	40.4 =	124	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.8	46.2 =	96	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.8	46.2 =	118	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.3	37.8 =	133	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	2.9	31.5 =	133	Israel
12th pillar: Innovation capability 0–100	-	27.8 ↑	122	Germany
Interaction and diversity 0–100	-	29.0 ↓	131	Singapore
12.01 Diversity of workforce 1–7 (best)	4.0	50.5 =	107	Singapore
12.02 State of cluster development 1–7 (best)	3.0	33.7 =	123	Italy
12.03 International co-inventions per million pop.	0.02	0.6 ↓	105	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	2.9	31.2 =	135	Israel
Research and development 0–100	-	17.0 ↑	127	Japan
12.05 Scientific publications score	74.0	63.9 ↑	117	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.3 ↓	114	Multiple (8)
12.07 R&D expenditures % GDP	0.1	3.6 ↑	112	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.0	117	Multiple (7)
Commercialization 0–100	-	47.3 ↑	98	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.7	29.0 =	122	Korea, Rep.
12.10 Trademark applications per million pop.	n/a	65.7 ↑	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/>