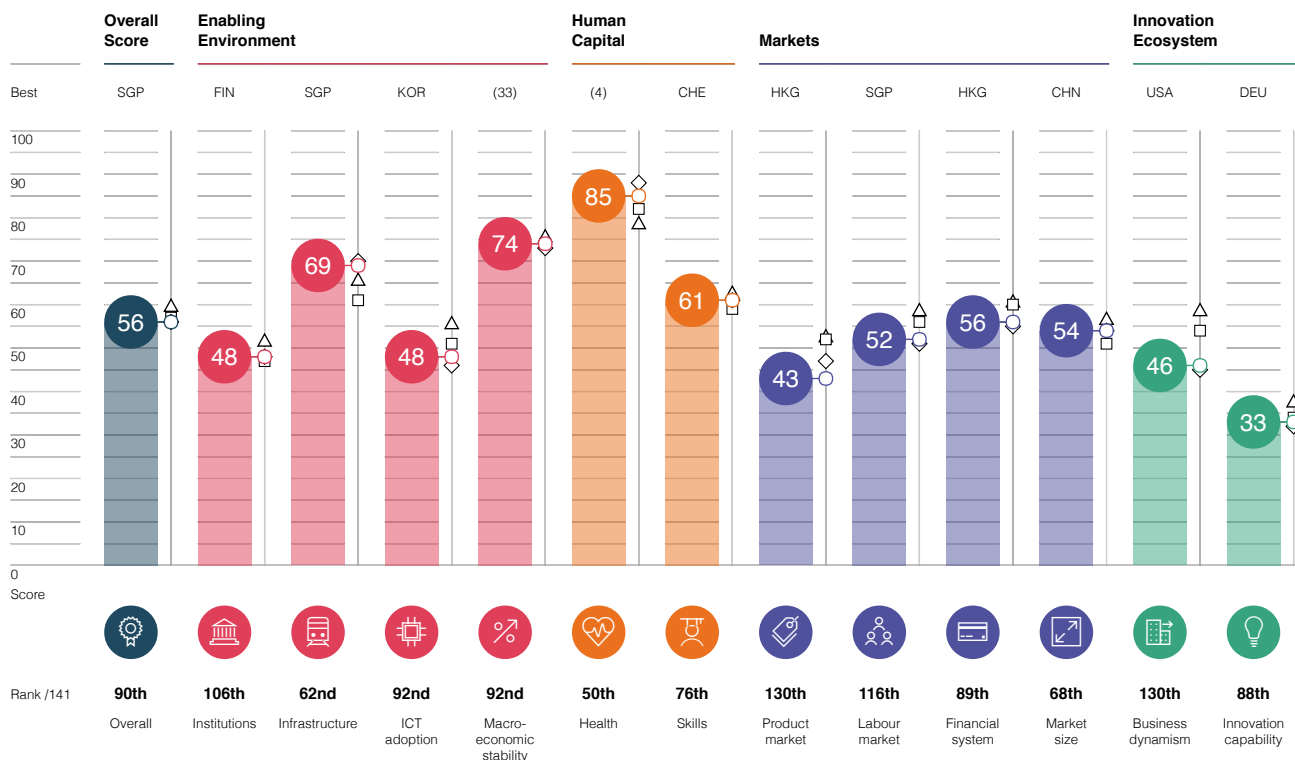


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 86th/140

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





Selected contextual indicators

Population millions	17.0	GDP (PPP) % world GDP	0.15
GDP per capita US\$	6,315.5	5-year average FDI inward flow % GDP	1.0
10-year average annual GDP growth %	2.7		

Social and environmental performance

Environmental footprint gha/capita	1.3	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	13.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	44.7
Unemployment rate %	3.9		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	47.8 ↓	106	Finland
Security 0–100	-	70.7 ↓	91	Finland
1.01 Organized crime 1–7 (best)	4.3	54.6 ↓	94	Finland
1.02 Homicide rate per 100,000 pop.	5.8	82.0 ↑	98	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.8	99.8 =	76	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.8	46.4 ↑	100	Finland
Social capital 0–100	-	49.8 ↓	72	New Zealand
1.05 Social capital 0–100 (best)	49.8	49.8 ↓	66	New Zealand
Checks and balances 0–100	-	41.0 ↓	105	Finland
1.06 Budget transparency 0–100 (best)	49	49.0	50	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.3	22.3 ↑	128	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.5	24.4 ↑	124	Finland
1.09 Freedom of the press 0–100 (worst)	31.9	68.1 ↓	77	Norway
Public-sector performance 0–100	-	41.5 ↑	104	Singapore
1.10 Burden of government regulation 1–7 (best)	2.5	24.7 ↑	130	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.9	32.5 ↑	115	Singapore
1.12 E-Participation 0–1 (best)	0.67	67.4 =	78	Multiple (3)
Transparency 0–100	-	34.0 ↑	99	Denmark
1.13 Incidence of corruption 0–100 (best)	34.0	34.0 ↑	99	Denmark
Property rights 0–100	-	47.2 ↑	90	Finland
1.14 Property rights 1–7 (best)	3.7	44.6 ↑	114	Finland
1.15 Intellectual property protection 1–7 (best)	3.6	43.6 ↑	108	Finland
1.16 Quality of land administration 0–30 (best)	16.0	53.3 ↓	70	Multiple (5)
Corporate governance 0–100	-	53.5 ↑	97	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.0	67.4 ↑	51	Finland
1.18 Conflict of interest regulation 0–10 (best)	4.3	43.0 =	112	Kenya
1.19 Shareholder governance 0–10 (best)	5.0	50.0 =	89	Kazakhstan
Future orientation of government 0–100	-	44.5	112	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.8	29.8	127	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.9	31.9	114	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.1	34.9	104	United States
1.23 Government long-term vision 1–7 (best)	2.7	28.8	124	Singapore
1.24 Energy efficiency regulation 0–100 (best)	47.9	47.9	58	Italy
1.25 Renewable energy regulation 0–100 (best)	35.6	35.6	92	Germany
1.26 Environment-related treaties in force count (out of 29)	26	89.7	17	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	69.1 ↓	62	Singapore
Transport infrastructure 0–100	-	52.8 ↑	64	Singapore
2.01 Road connectivity 0–100 (best)	64.2	64.2 ↑	100	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.9	65.0 ↓	35	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	20,166.1	39.9 =	83	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.9	64.6 ↑	58	Singapore
2.07 Liner shipping connectivity 0–100 (best)	24.8	24.8 ↓	62	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.5	58.1 ↑	55	Singapore
Utility infrastructure 0–100	-	85.5 ↓	68	Iceland
2.09 Electricity access % of population	97.3	97.3 ↓	89	Multiple (67)
2.10 Electricity supply quality % of output	13.0	90.7 ↓	87	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	16.4	85.3 ↓	71	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	5.1	68.7 ↓	61	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	47.6 ↑	92	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	92.3	76.9 ↑	113	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	54.7	N/Appl.	98	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	11.4	22.9 ↑	73	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.6	N/Appl.	60	Korea, Rep.
3.05 Internet users % of adult population	57.3	57.3 ↑	89	Qatar
 4th pillar: Macroeconomic stability 0–100	-	73.7 ↑	92	Multiple (33)
4.01 Inflation %	0.1	98.9 ↓	100	Multiple (88)
4.02 Debt dynamics 0–100 (best)	48.5	48.5 ↑	105	Multiple (34)
 5th pillar: Health 0–100	-	85.0 ↓	50	Multiple (4)
5.01 Healthy life expectancy years	67.2	85.0 ↓	49	Multiple (4)
 6th pillar: Skills 0–100	-	61.4 ↑	76	Switzerland
Current workforce 0–100	-	54.7 ↑	79	Switzerland
6.01 Mean years of schooling years	9.0	59.9 ↑	77	Germany
Skills of current workforce 0–100	-	49.4 ↑	83	Switzerland
6.02 Extent of staff training 1–7 (best)	3.6	43.4 ↑	107	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.2	54.2 ↑	61	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.1	51.0 ↓	74	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.8	46.0 ↑	98	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.2	52.7 ↑	72	United States
Future workforce 0–100	-	68.1 ↓	75	Denmark
6.07 School life expectancy years	15.4	85.4 ↓	44	Multiple (11)
Skills of future workforce 0–100	-	50.8 ↑	93	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.4	39.4 ↑	78	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	25.1	62.3 ↑	96	Multiple (5)
 7th pillar: Product market 0–100	-	43.3 ↓	130	Hong Kong SAR
Domestic competition 0–100	-	42.1 ↑	123	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	2.8	29.6 ↑	131	Singapore
7.02 Extent of market dominance 1–7 (best)	3.1	35.7 ↑	118	Switzerland
7.03 Competition in services 1–7 (best)	4.7	61.1 ↓	98	Hong Kong SAR
Trade openness 0–100	-	44.5 ↓	130	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.3	38.9 ↑	137	Singapore
7.05 Trade tariffs %	10.61	29.3 ↑	118	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	4.9	64.8 ↓	89	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.8	45.0 =	49	Germany
 8th pillar: Labour market 0–100	-	51.8 ↑	116	Singapore
Flexibility 0–100	-	49.6 ↑	123	Singapore
8.01 Redundancy costs weeks of salary	31.8	42.1 ↓	128	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	2.5	25.6 ↓	137	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.4	56.3 ↑	76	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.7	62.2 ↓	92	Estonia
8.05 Active labour market policies 1–7 (best)	2.3	21.2 ↑	116	Switzerland
8.06 Workers' rights 0–100 (best)	64.0	64.0 ↑	93	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.1	51.8 ↑	74	Albania
8.08 Internal labour mobility 1–7 (best)	5.4	73.5 ↑	9	United States
Meritocracy and incentivization 0–100	-	54.1 ↑	105	Denmark
8.09 Reliance on professional management 1–7 (best)	3.7	44.5 ↑	116	Finland
8.10 Pay and productivity 1–7 (best)	3.5	41.8 ↓	105	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.50	38.1 ↑	98	Multiple (4)
8.12 Labour tax rate %	13.7	92.1 =	60	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	56.3 ↑	89	Hong Kong SAR
Depth 0–100	-	28.8 ↑	101	United States
9.01 Domestic credit to private sector % GDP	29.4	31.0 ↑	102	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.7	44.3 ↑	91	Finland
9.03 Venture capital availability 1–7 (best)	2.7	27.8 ↑	101	United States
9.04 Market capitalization % GDP	6.3	6.3 ↓	100	Multiple (15)
9.05 Insurance premium volume to GDP	2.1	34.4 ↑	57	Multiple (17)
Stability 0–100	-	90.8 ↓	47	Finland
9.06 Soundness of banks 1–7 (best)	5.3	71.5 ↑	59	Finland
9.07 Non-performing loans % of gross total loans	3.3	94.3 ↑	60	Multiple (3)
9.08 Credit gap %	3.0	97.5 ↓	108	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	18.7	100.0 =	46	Multiple (74)
 10th pillar: Market size 0–100	-	54.0 ↑	68	China
10.01 Gross domestic product PPP \$ billions	177	N/Appl.	62	China
10.02 Imports of goods and services % GDP	24.5	N/Appl.	119	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	45.7 ↑	130	United States
Administrative requirements 0–100	-	48.0 ↑	128	United States
11.01 Cost of starting a business % of GNI per capita	21.2	89.4 ↑	107	Multiple (2)
11.02 Time to start a business days	48.5	51.8 =	133	New Zealand
11.03 Insolvency recovery rate cents to the dollar	18.1	19.5 ↑	119	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 =	120	Multiple (6)
Entrepreneurial culture 0–100	-	43.5 ↑	111	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.7	45.1 ↓	105	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.0	49.8 ↑	108	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.5	42.0 ↑	116	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.2	37.0 ↑	116	Israel
 12th pillar: Innovation capability 0–100	-	33.0 ↑	88	Germany
Interaction and diversity 0–100	-	33.4 ↑	108	Singapore
12.01 Diversity of workforce 1–7 (best)	4.3	54.6 ↑	84	Singapore
12.02 State of cluster development 1–7 (best)	3.3	39.0 ↑	106	Italy
12.03 International co-inventions per million pop.	0.04	1.2 ↓	95	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.3	38.8 ↑	103	Israel
Research and development 0–100	-	23.6 ↑	79	Japan
12.05 Scientific publications score	137.3	73.0 ↑	81	Multiple (9)
12.06 Patent applications per million pop.	0.12	2.1 ↓	98	Multiple (8)
12.07 R&D expenditures % GDP	0.4	14.8 ↑	69	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.02	4.4 ↑	56	Multiple (7)
Commercialization 0–100	-	51.1 ↑	84	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.0	32.9 ↑	111	Korea, Rep.
12.10 Trademark applications per million pop.	623.86	69.3 ↓	65	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/>