

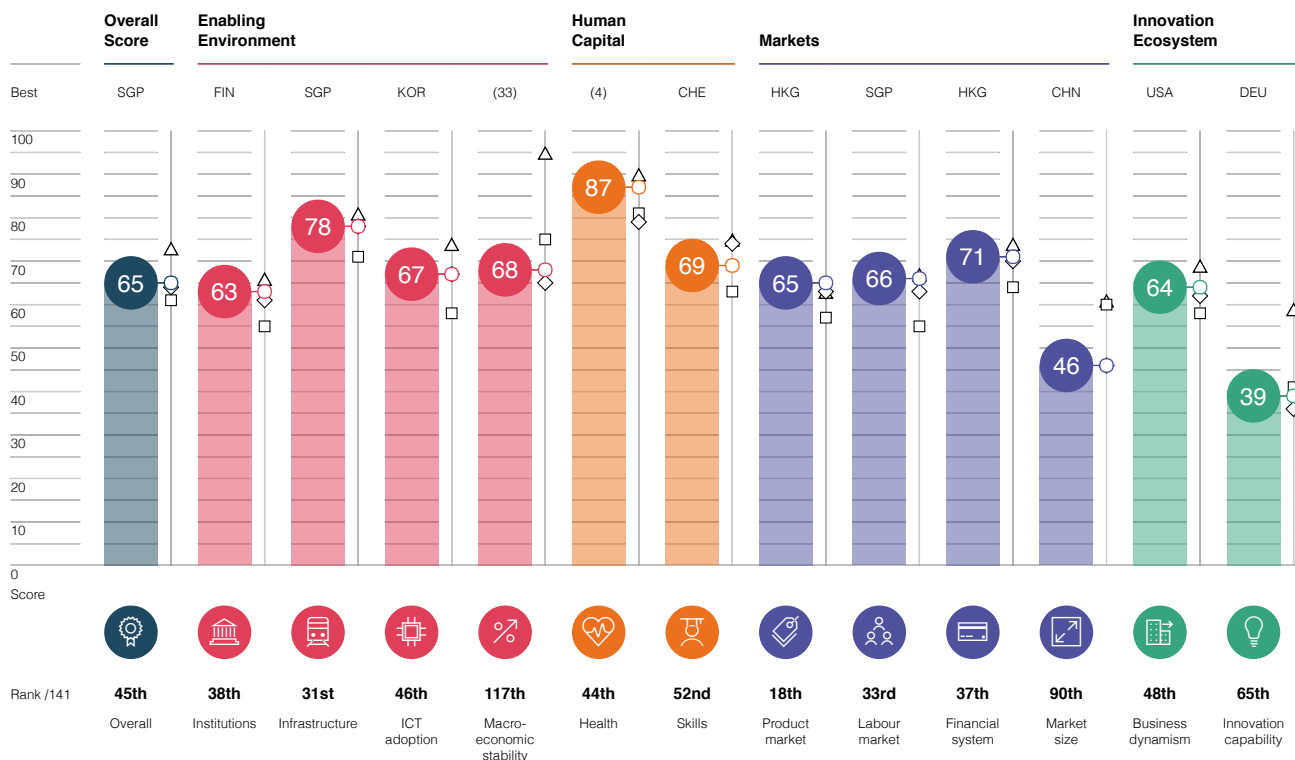
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 50th/140

Performance Overview Key

◇ Previous edition △ High-income group average □ Middle East and North Africa average

2019





Selected contextual indicators

Population millions	1.5	GDP (PPP) % world GDP	0.06
GDP per capita US\$	25,850.5	5-year average FDI inward flow % GDP	2.7
10-year average annual GDP growth %	3.1		

Social and environmental performance

Renewable energy consumption share %	-	Global Gender Gap Index 0-1 (gender parity)	0.6
Unemployment rate %	1.0		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	62.9 ↑	38	Finland
Security 0–100	-	95.1 ↑	4	Finland
1.01 Organized crime 1–7 (best)	6.6	92.8 ↑	3	Finland
1.02 Homicide rate per 100,000 pop.	0.5	100.0 ↑	9	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	98.1	98.1 =	104	Multiple (25)
1.04 Reliability of police services 1–7 (best)	6.4	89.5 ↑	5	Finland
Social capital 0–100	-	60.3 ↑	19	New Zealand
1.05 Social capital 0–100 (best)	60.3	60.3 ↑	19	New Zealand
Checks and balances 0–100	-	48.7 ↓	70	Finland
1.06 Budget transparency 0–100 (best)	n/a	33.7	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.0	67.3 ↓	30	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.3	55.3 ↓	26	Finland
1.09 Freedom of the press 0–100 (worst)	61.3	38.7 ↓	134	Norway
Public-sector performance 0–100	-	66.9 ↓	22	Singapore
1.10 Burden of government regulation 1–7 (best)	4.6	60.6 ↓	12	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	4.6	60.4 ↓	29	Singapore
1.12 E-Participation 0–1 (best)	0.80	79.8 =	52	Multiple (3)
Transparency 0–100	-	36.0 =	85	Denmark
1.13 Incidence of corruption 0–100 (best)	36.0	36.0 =	85	Denmark
Property rights 0–100	-	68.8 ↑	32	Finland
1.14 Property rights 1–7 (best)	5.7	78.4 ↑	17	Finland
1.15 Intellectual property protection 1–7 (best)	5.2	69.6 ↑	31	Finland
1.16 Quality of land administration 0–30 (best)	17.5	58.3 =	59	Multiple (5)
Corporate governance 0–100	-	71.0 ↑	28	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.7	79.0 ↑	19	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 ↑	68	Kenya
1.19 Shareholder governance 0–10 (best)	7.7	77.0 ↑	12	Kazakhstan
Future orientation of government 0–100	-	56.4	66	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	5.5	74.9	10	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.2	70.3	8	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	n/a	n/a	n/a	United States
1.23 Government long-term vision 1–7 (best)	5.7	79.0	6	Singapore
1.24 Energy efficiency regulation 0–100 (best)	28.3	28.3	85	Italy
1.25 Renewable energy regulation 0–100 (best)	27.3	27.3	102	Germany
1.26 Environment-related treaties in force count (out of 29)	17	58.6	126	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	78.4 ↑	31	Singapore
Transport infrastructure 0–100	-	62.1 ↑	35	Singapore
2.01 Road connectivity 0–100 (best)	N/Appl.	n/a	n/a	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.2	70.4 ↑	24	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	54,997.0	53.3 =	60	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.4	72.8 ↑	33	Singapore
2.07 Liner shipping connectivity 0–100 (best)	38.1	38.1 ↓	50	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	5.1	67.9 ↑	28	Singapore
Utility infrastructure 0–100	-	94.6 ↓	36	Iceland
2.09 Electricity access % of population	100.0	100.0 ↑	2	Multiple (67)
2.10 Electricity supply quality % of output	2.4	100.0 =	4	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	13.5	88.2 ↓	66	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	6.4	90.3 ↑	23	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	67.2 ↑	46	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	133.3	100.0 =	35	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	126.0	N/Appl.	14	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	11.6	23.1 ↓	72	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.5	N/Appl.	62	Korea, Rep.
3.05 Internet users % of adult population	98.6	98.6 ↑	4	Qatar
 4th pillar: Macroeconomic stability 0–100	-	68.3 ↑	117	Multiple (33)
4.01 Inflation %	1.7	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	36.6	36.6 ↑	136	Multiple (34)
 5th pillar: Health 0–100	-	86.9 ↑	44	Multiple (4)
5.01 Healthy life expectancy years	67.8	86.9 ↑	43	Multiple (4)
 6th pillar: Skills 0–100	-	68.7 ↓	52	Switzerland
Current workforce 0–100	-	58.6 ↓	66	Switzerland
6.01 Mean years of schooling years	8.2	54.5 ↓	90	Germany
Skills of current workforce 0–100	-	62.7 ↑	28	Switzerland
6.02 Extent of staff training 1–7 (best)	4.8	63.1 ↑	25	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.7	61.0 ↓	33	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.5	58.4 ↓	41	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.9	65.7	28	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.9	65.2 ↑	18	United States
Future workforce 0–100	-	78.9 ↓	36	Denmark
6.07 School life expectancy years	15.3	84.8 ↓	48	Multiple (11)
Skills of future workforce 0–100	-	73.0 ↓	25	Denmark
6.08 Critical thinking in teaching 1–7 (best)	4.1	51.3 ↓	33	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	12.2	94.6 ↓	28	Multiple (5)
 7th pillar: Product market 0–100	-	65.1 ↑	18	Hong Kong SAR
Domestic competition 0–100	-	64.2 ↑	19	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	4.8	63.9 ↑	14	Singapore
7.02 Extent of market dominance 1–7 (best)	4.1	51.4 ↓	43	Switzerland
7.03 Competition in services 1–7 (best)	5.6	77.2 ↑	8	Hong Kong SAR
Trade openness 0–100	-	66.1 ↑	20	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.1	68.1 ↑	15	Singapore
7.05 Trade tariffs %	5.35	64.3 ↓	70	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.4	90.0 ↑	41	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.7	41.7 =	62	Germany
 8th pillar: Labour market 0–100	-	66.4 ↑	33	Singapore
Flexibility 0–100	-	70.1 ↑	7	Singapore
8.01 Redundancy costs weeks of salary	13.6	80.0 ↓	55	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.6	59.8 ↑	20	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.4	73.1 ↑	13	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.8	80.6 ↑	9	Estonia
8.05 Active labour market policies 1–7 (best)	4.8	64.2 ↑	18	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)	5.2	70.3 ↑	8	Albania
8.08 Internal labour mobility 1–7 (best)	Not applicable	Not applicable	n/a	United States
Meritocracy and incentivization 0–100	-	62.7 ↑	70	Denmark
8.09 Reliance on professional management 1–7 (best)	5.1	67.6 ↑	31	Finland
8.10 Pay and productivity 1–7 (best)	4.7	62.1 ↑	21	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.43	28.9 ↓	110	Multiple (4)
8.12 Labour tax rate %	13.5	92.4 =	55	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	71.3 ↑	37	Hong Kong SAR
Depth 0–100	-	54.8 ↑	40	United States
9.01 Domestic credit to private sector % GDP	73.7	77.6 ↑	43	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.5	57.5 ↓	33	Finland
9.03 Venture capital availability 1–7 (best)	4.2	53.6 ↑	20	United States
9.04 Market capitalization % GDP	61.2	61.2 ↓	38	Multiple (15)
9.05 Insurance premium volume to GDP	1.5	24.2 ↓	77	Multiple (17)
Stability 0–100	-	91.9 ↑	38	Finland
9.06 Soundness of banks 1–7 (best)	5.7	78.3 ↑	34	Finland
9.07 Non-performing loans % of gross total loans	5.7	89.5 ↑	80	Multiple (3)
9.08 Credit gap %	-1.1	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	19.5	100.0 =	38	Multiple (74)
 10th pillar: Market size 0–100	-	46.3 ↑	90	China
10.01 Gross domestic product PPP \$ billions	66	N/Appl.	90	China
10.02 Imports of goods and services % GDP	54.9	N/Appl.	49	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	64.3 ↑	48	United States
Administrative requirements 0–100	-	70.1 ↑	70	United States
11.01 Cost of starting a business % of GNI per capita	1.1	99.4 ↓	27	Multiple (2)
11.02 Time to start a business days	8.5	92.0 ↑	53	New Zealand
11.03 Insolvency recovery rate cents to the dollar	42.2	45.4 ↑	53	Japan
11.04 Insolvency regulatory framework 0–16 (best)	7.0	43.8 =	101	Multiple (6)
Entrepreneurial culture 0–100	-	58.5 ↑	30	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.6	60.5 ↑	21	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.9	65.1 ↑	31	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.4	57.4 ↑	40	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.1	50.9 ↑	35	Israel
 12th pillar: Innovation capability 0–100	-	38.7 ↑	65	Germany
Interaction and diversity 0–100	-	45.4 ↑	46	Singapore
12.01 Diversity of workforce 1–7 (best)	5.1	67.9	29	Singapore
12.02 State of cluster development 1–7 (best)	4.3	55.8 ↓	33	Italy
12.03 International co-inventions per million pop.	0.31	8.3 ↓	66	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.0	49.8 ↓	46	Israel
Research and development 0–100	-	21.7 ↑	91	Japan
12.05 Scientific publications score	69.3	63.0 ↑	120	Multiple (9)
12.06 Patent applications per million pop.	2.01	20.3 ↑	55	Multiple (8)
12.07 R&D expenditures % GDP	0.1	3.4 =	113	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4 ↓	116	Multiple (7)
Commercialization 0–100	-	59.3 ↑	56	Luxembourg
12.09 Buyer sophistication 1–7 (best)	4.0	49.5 ↑	39	Korea, Rep.
12.10 Trademark applications per million pop.	613.99	69.1 ↑	66	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/>