

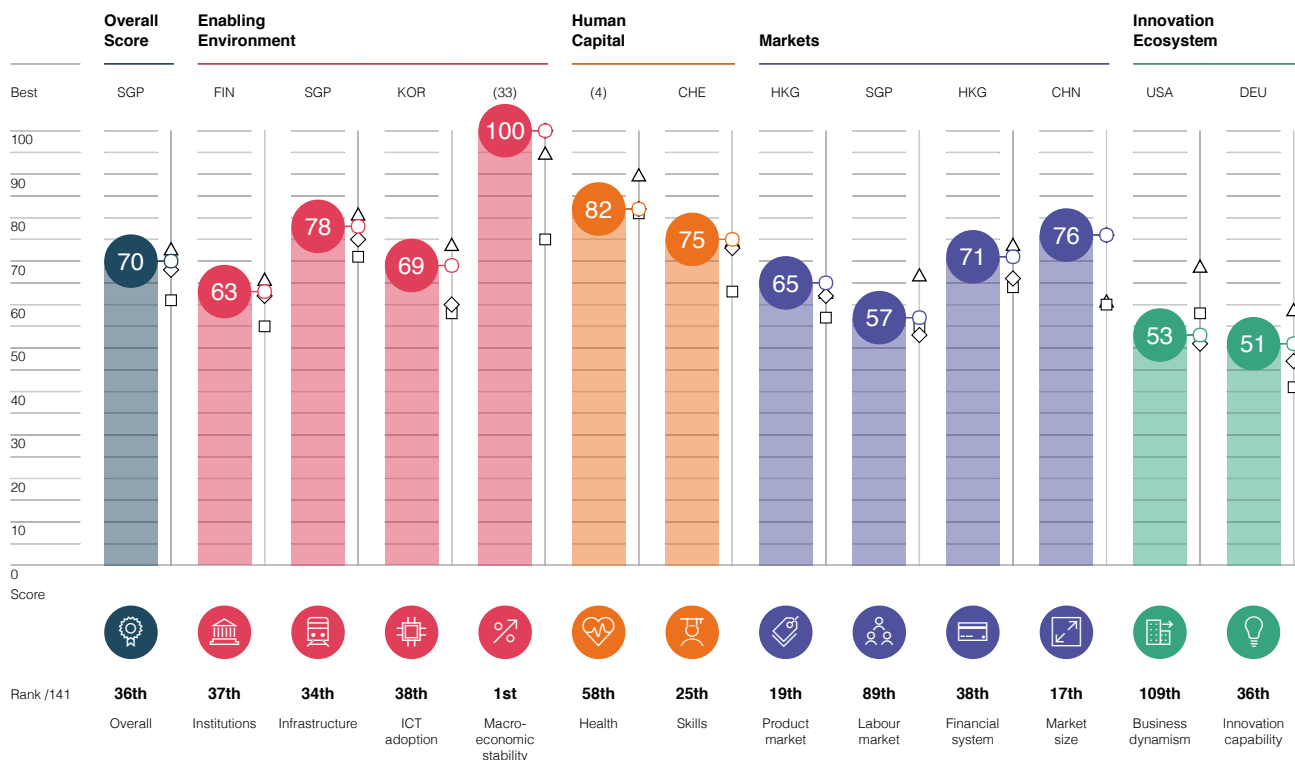
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 39th/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	33.2	GDP (PPP) % world GDP	1.37
GDP per capita US\$	23,566.4	5-year average FDI inward flow % GDP	0.8
10-year average annual GDP growth %	3.3		

Social and environmental performance

Renewable energy consumption share %	0.0	Global Gender Gap Index 0-1 (gender parity)	0.6
Unemployment rate %	5.9		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	63.2 ↑	37	Finland
Security 0–100	-	88.7 ↑	21	Finland
1.01 Organized crime 1–7 (best)	5.9	81.0 ↑	15	Finland
1.02 Homicide rate per 100,000 pop.	1.3	97.3 ↑	44	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	89.1	89.1 =	124	Multiple (25)
1.04 Reliability of police services 1–7 (best)	6.2	87.4 ↑	8	Finland
Social capital 0–100	-	53.9 ↑	49	New Zealand
1.05 Social capital 0–100 (best)	53.9	53.9 ↑	45	New Zealand
Checks and balances 0–100	-	42.6 ↓	100	Finland
1.06 Budget transparency 0–100 (best)	1	1.0	96	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.6	77.1 ↑	16	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.5	58.4 ↑	18	Finland
1.09 Freedom of the press 0–100 (worst)	65.9	34.1 ↓	138	Norway
Public-sector performance 0–100	-	67.2 ↑	20	Singapore
1.10 Burden of government regulation 1–7 (best)	4.7	61.3 ↑	10	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	5.1	68.8 ↑	17	Singapore
1.12 E-Participation 0–1 (best)	0.71	71.4 =	64	Multiple (3)
Transparency 0–100	-	49.0 =	52	Denmark
1.13 Incidence of corruption 0–100 (best)	49.0	49.0 =	52	Denmark
Property rights 0–100	-	61.9 ↑	50	Finland
1.14 Property rights 1–7 (best)	5.7	78.9 ↑	15	Finland
1.15 Intellectual property protection 1–7 (best)	5.3	71.7 ↑	27	Finland
1.16 Quality of land administration 0–30 (best)	10.5	35.0 ↑	98	Multiple (5)
Corporate governance 0–100	-	78.5 ↑	6	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.5	75.5 ↑	23	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.3	73.0 ↑	21	Kenya
1.19 Shareholder governance 0–10 (best)	8.7	87.0 ↑	2	Kazakhstan
Future orientation of government 0–100	-	63.8	31	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	5.3	71.6	17	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.8	79.4	2	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.9	65.3	11	United States
1.23 Government long-term vision 1–7 (best)	6.2	87.0	2	Singapore
1.24 Energy efficiency regulation 0–100 (best)	58.8	58.8	45	Italy
1.25 Renewable energy regulation 0–100 (best)	31.0	31.0	95	Germany
1.26 Environment-related treaties in force count (out of 29)	19	65.5	107	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	78.1 ↑	34	Singapore
Transport infrastructure 0–100	-	64.4 ↑	34	Singapore
2.01 Road connectivity 0–100 (best)	100.0	100.0 ↑	1	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.2	69.6 ↑	26	Singapore
2.03 Railroad density km/1,000 km ²	0.7	1.6 =	102	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	4.5	58.1 ↑	26	Japan
2.05 Airport connectivity score	331,405.1	84.1 =	24	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.4	72.6 ↑	34	Singapore
2.07 Liner shipping connectivity 0–100 (best)	66.6	66.6 ↑	21	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.8	62.8 ↑	40	Singapore
Utility infrastructure 0–100	-	91.7 ↑	47	Iceland
2.09 Electricity access % of population	99.4	99.4 ↑	75	Multiple (67)
2.10 Electricity supply quality % of output	8.1	95.7 ↓	48	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	9.5	92.3 ↑	56	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	5.8	79.3 ↑	44	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	69.3 ↑	38	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	122.6	100.0 =	57	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	111.1	N/Appl.	22	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	5.6	11.3 ↓	89	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	2.1	N/Appl.	53	Korea, Rep.
3.05 Internet users % of adult population	93.3	93.3 ↑	13	Qatar
 4th pillar: Macroeconomic stability 0–100	-	100.0 =	1	Multiple (33)
4.01 Inflation %	0.8	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	100.0	100.0 =	1	Multiple (34)
 5th pillar: Health 0–100	-	82.2 ↓	58	Multiple (4)
5.01 Healthy life expectancy years	66.3	82.2 ↓	57	Multiple (4)
 6th pillar: Skills 0–100	-	75.3 ↑	25	Switzerland
Current workforce 0–100	-	66.0 ↑	36	Switzerland
6.01 Mean years of schooling years	10.2	68.0 =	56	Germany
Skills of current workforce 0–100	-	64.0 ↑	23	Switzerland
6.02 Extent of staff training 1–7 (best)	4.6	60.5 ↑	32	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.6	60.2 ↑	35	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.6	60.1 ↑	32	Switzerland
6.05 Digital skills among active population 1–7 (best)	5.3	72.1 ↑	13	Finland
6.06 Ease of finding skilled employees 1–7 (best)	5.0	67.0 ↑	14	United States
Future workforce 0–100	-	84.7 ↑	13	Denmark
6.07 School life expectancy years	16.9	94.0 =	18	Multiple (11)
Skills of future workforce 0–100	-	75.3 ↑	21	Denmark
6.08 Critical thinking in teaching 1–7 (best)	4.3	54.9 ↑	27	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	11.7	95.8 =	20	Multiple (5)
 7th pillar: Product market 0–100	-	64.9 ↑	19	Hong Kong SAR
Domestic competition 0–100	-	67.2 ↑	16	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	5.1	67.5 ↑	7	Singapore
7.02 Extent of market dominance 1–7 (best)	4.7	61.7 ↑	21	Switzerland
7.03 Competition in services 1–7 (best)	5.3	72.3 ↑	32	Hong Kong SAR
Trade openness 0–100	-	62.7 ↑	41	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.7	61.8 ↑	42	Singapore
7.05 Trade tariffs %	5.71	61.9 ↓	76	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.1	85.5 ↓	60	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.7	41.5 =	65	Germany
 8th pillar: Labour market 0–100	-	56.6 ↑	89	Singapore
Flexibility 0–100	-	56.7 ↑	78	Singapore
8.01 Redundancy costs weeks of salary	23.8	58.8 ↓	108	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.7	61.6 ↑	14	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.1	68.0 ↑	26	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.6	77.3 ↑	20	Estonia
8.05 Active labour market policies 1–7 (best)	4.8	64.1 ↑	19	Switzerland
8.06 Workers' rights 0–100 (best)	10.0	10.0	116	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.8	47.0 ↑	97	Albania
8.08 Internal labour mobility 1–7 (best)	5.0	66.7 ↑	24	United States
Meritocracy and incentivization 0–100	-	56.6 ↑	98	Denmark
8.09 Reliance on professional management 1–7 (best)	4.8	64.0 ↑	37	Finland
8.10 Pay and productivity 1–7 (best)	5.0	65.9 ↑	10	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.23	4.0 ↑	132	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	-	70.7 ↑	38	Hong Kong SAR
Depth 0–100	-	51.1 ↑	45	United States
9.01 Domestic credit to private sector % GDP	56.0	59.0 ↑	62	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.7	61.9 ↑	19	Finland
9.03 Venture capital availability 1–7 (best)	4.4	57.1 ↑	12	United States
9.04 Market capitalization % GDP	66.6	66.6 ↑	32	Multiple (15)
9.05 Insurance premium volume to GDP	0.7	11.1 ↑	111	Multiple (17)
Stability 0–100	-	95.1 ↑	7	Finland
9.06 Soundness of banks 1–7 (best)	6.0	82.7 ↑	15	Finland
9.07 Non-performing loans % of gross total loans	1.6	97.8 ↓	21	Multiple (3)
9.08 Credit gap %	1.0	100.0 ↑	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	19.3	100.0 =	39	Multiple (74)
 10th pillar: Market size 0–100	-	76.3 ↑	17	China
10.01 Gross domestic product PPP \$ billions	1,651	N/Appl.	16	China
10.02 Imports of goods and services % GDP	24.3	N/Appl.	120	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	53.1 ↑	109	United States
Administrative requirements 0–100	-	44.8 ↓	132	United States
11.01 Cost of starting a business % of GNI per capita	6.6	96.7 ↑	69	Multiple (2)
11.02 Time to start a business days	18.0	82.4 ↓	100	New Zealand
11.03 Insolvency recovery rate cents to the dollar	0.0	0.0	133	Japan
11.04 Insolvency regulatory framework 0–16 (best)	0.0	0.0	135	Multiple (6)
Entrepreneurial culture 0–100	-	61.5 ↑	24	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.5	58.3 ↑	32	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.9	64.3 ↑	35	Denmark
11.07 Growth of innovative companies 1–7 (best)	5.2	69.2 ↑	7	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.2	54.0 ↑	24	Israel
 12th pillar: Innovation capability 0–100	-	50.6 ↑	36	Germany
Interaction and diversity 0–100	-	55.0 ↑	28	Singapore
12.01 Diversity of workforce 1–7 (best)	5.5	75.5 ↑	8	Singapore
12.02 State of cluster development 1–7 (best)	5.0	66.1 ↑	14	Italy
12.03 International co-inventions per million pop.	1.03	21.8 ↑	46	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.4	56.7 ↑	32	Israel
Research and development 0–100	-	40.1 ↑	41	Japan
12.05 Scientific publications score	273.7	83.2 ↑	40	Multiple (9)
12.06 Patent applications per million pop.	6.46	36.9 ↑	40	Multiple (8)
12.07 R&D expenditures % GDP	0.8	27.2 ↓	43	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.05	13.0 ↑	40	Multiple (7)
Commercialization 0–100	-	62.6 ↑	48	Luxembourg
12.09 Buyer sophistication 1–7 (best)	4.5	57.8 ↑	21	Korea, Rep.
12.10 Trademark applications per million pop.	527.35	67.4 ↑	72	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/>