

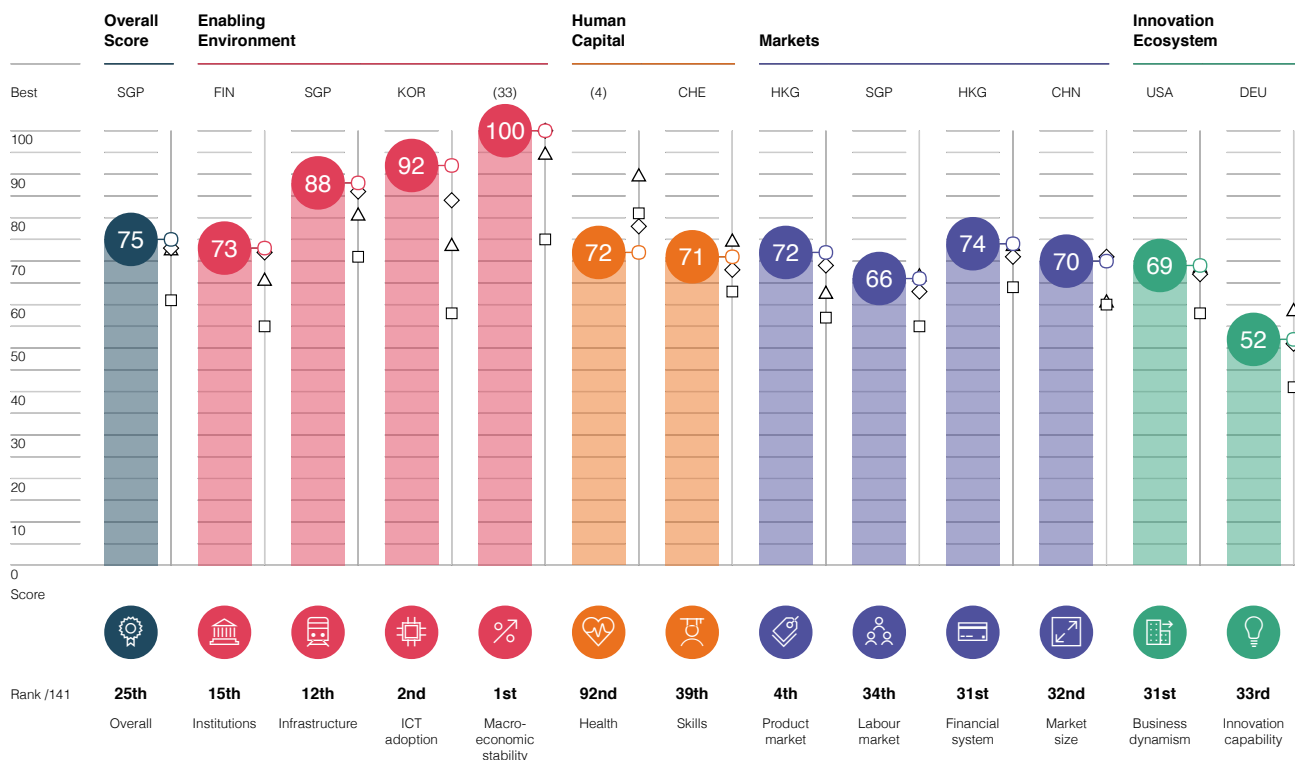
Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 27th/140

Performance Overview Key

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

2019





Selected contextual indicators

Population millions	10.4	GDP (PPP) % world GDP	0.54
GDP per capita US\$	40,711.4	5-year average FDI inward flow % GDP	2.6
10-year average annual GDP growth %	3.2		

Social and environmental performance

Renewable energy consumption share %	0.1	Global Gender Gap Index 0-1 (gender parity)	0.6
Unemployment rate %	2.6		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	73.3 ↑	15	Finland
Security 0–100	-	92.8 ↑	7	Finland
1.01 Organized crime 1–7 (best)	6.1	85.1 ↑	7	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)	100.0	100.0 =	32	Multiple (25)
1.04 Reliability of police services 1–7 (best)	6.2	86.1 ↑	11	Finland
Social capital 0–100	-	58.6 ↑	25	New Zealand
1.05 Social capital 0–100 (best)	58.6	58.6 ↑	25	New Zealand
Checks and balances 0–100	-	61.3 ↑	30	Finland
1.06 Budget transparency 0–100 (best)	n/a	43.2	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.5	75.4 ↑	20	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	5.2	70.4 ↑	4	Finland
1.09 Freedom of the press 0–100 (worst)	43.6	56.4 ↓	110	Norway
Public-sector performance 0–100	-	80.0 ↑	4	Singapore
1.10 Burden of government regulation 1–7 (best)	5.2	70.3 ↑	4	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	5.5	75.4 ↑	6	Singapore
1.12 E-Participation 0–1 (best)	0.94	94.4 =	17	Multiple (3)
Transparency 0–100	-	70.0 ↓	23	Denmark
1.13 Incidence of corruption 0–100 (best)	70.0	70.0 ↓	23	Denmark
Property rights 0–100	-	75.6 ↑	21	Finland
1.14 Property rights 1–7 (best)	5.7	77.7 ↑	18	Finland
1.15 Intellectual property protection 1–7 (best)	5.6	75.8 ↑	19	Finland
1.16 Quality of land administration 0–30 (best)	22.0	73.3 ↑	38	Multiple (5)
Corporate governance 0–100	-	73.9 ↑	16	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	5.3	71.7 ↑	36	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.7	77.0 =	18	Kenya
1.19 Shareholder governance 0–10 (best)	7.3	73.0 =	17	Kazakhstan
Future orientation of government 0–100	-	73.8	9	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	5.6	77.5	8	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.7	78.6	3	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	5.4	72.5	4	United States
1.23 Government long-term vision 1–7 (best)	5.9	81.7	4	Singapore
1.24 Energy efficiency regulation 0–100 (best)	65.2	65.2	35	Italy
1.25 Renewable energy regulation 0–100 (best)	72.3	72.3	26	Germany
1.26 Environment-related treaties in force count (out of 29)	21	72.4	79	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	88.5 ↑	12	Singapore
Transport infrastructure 0–100	-	84.1 ↑	8	Singapore
2.01 Road connectivity 0–100 (best)	90.1	90.1 ↑	23	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	6.0	83.4 ↑	7	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	425,486.6	89.2 =	19	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	6.0	83.6 ↑	7	Singapore
2.07 Liner shipping connectivity 0–100 (best)	83.9	83.9 ↑	13	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	5.5	74.3 ↑	12	Singapore
Utility infrastructure 0–100	-	92.9 ↑	44	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	7.1	96.7 ↑	42	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	11.7	90.1 ↓	62	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	6.1	84.7 ↑	35	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	91.9 ↑	2	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	208.5	100.0 =	2	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	250.0	N/Appl.	1	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	31.4	62.8 ↑	27	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	27.7	N/Appl.	4	Korea, Rep.
3.05 Internet users % of adult population	98.5	98.5 ↑	5	Qatar
 4th pillar: Macroeconomic stability 0–100	-	100.0 =	1	Multiple (33)
4.01 Inflation %	2.5	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	100.0	100.0 =	1	Multiple (34)
 5th pillar: Health 0–100	-	72.2 ↓	92	Multiple (4)
5.01 Healthy life expectancy years	63.1	72.2 ↓	91	Multiple (4)
 6th pillar: Skills 0–100	-	70.6 ↑	39	Switzerland
Current workforce 0–100	-	70.4 ↑	27	Switzerland
6.01 Mean years of schooling years	11.0	73.0 ↑	47	Germany
Skills of current workforce 0–100	-	67.7 ↑	15	Switzerland
6.02 Extent of staff training 1–7 (best)	5.0	66.0 ↑	17	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.8	63.3 ↑	25	Switzerland
6.04 Skillset of graduates 1–7 (best)	5.1	68.1 ↑	14	Switzerland
6.05 Digital skills among active population 1–7 (best)	5.3	72.0 ↑	14	Finland
6.06 Ease of finding skilled employees 1–7 (best)	5.1	69.1 ↑	8	United States
Future workforce 0–100	-	70.9 ↑	67	Denmark
6.07 School life expectancy years	13.6	75.8 =	74	Multiple (11)
Skills of future workforce 0–100	-	65.9 ↑	48	Denmark
6.08 Critical thinking in teaching 1–7 (best)	5.1	68.2 ↑	8	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	24.5	63.7 ↑	92	Multiple (5)
 7th pillar: Product market 0–100	-	71.7 ↑	4	Hong Kong SAR
Domestic competition 0–100	-	70.8 ↑	6	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	5.4	72.5 ↓	5	Singapore
7.02 Extent of market dominance 1–7 (best)	5.0	66.9 ↑	11	Switzerland
7.03 Competition in services 1–7 (best)	5.4	72.9 ↑	29	Hong Kong SAR
Trade openness 0–100	-	72.7 ↑	7	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.3	71.1 ↑	9	Singapore
7.05 Trade tariffs %	5.42	63.9 ↓	71	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.4	90.0 ↓	43	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	3.6	65.8 =	15	Germany
 8th pillar: Labour market 0–100	-	66.2 ↑	34	Singapore
Flexibility 0–100	-	66.1 ↑	22	Singapore
8.01 Redundancy costs weeks of salary	4.3	99.4 ↓	9	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	5.2	69.3 ↑	9	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.3	71.4 ↑	20	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.4	73.8 ↑	32	Estonia
8.05 Active labour market policies 1–7 (best)	4.8	63.6 ↑	21	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)	5.4	73.2 ↑	5	Albania
8.08 Internal labour mobility 1–7 (best)	5.1	68.4 ↑	17	United States
Meritocracy and incentivization 0–100	-	66.2 ↑	55	Denmark
8.09 Reliance on professional management 1–7 (best)	5.3	72.0 ↑	24	Finland
8.10 Pay and productivity 1–7 (best)	5.3	71.6 ↑	4	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.44	29.7 ↑	109	Multiple (4)
8.12 Labour tax rate %	14.1	91.5 =	61	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	73.8 ↑	31	Hong Kong SAR
Depth 0–100	-	60.4 ↑	31	United States
9.01 Domestic credit to private sector % GDP	80.6	84.8 ↑	39	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	5.0	66.2 ↑	9	Finland
9.03 Venture capital availability 1–7 (best)	4.8	63.9 ↑	4	United States
9.04 Market capitalization % GDP	60.4	60.4 ↑	39	Multiple (15)
9.05 Insurance premium volume to GDP	1.6	26.9 ↑	71	Multiple (17)
Stability 0–100	-	90.6 ↑	50	Finland
9.06 Soundness of banks 1–7 (best)	5.5	74.3 ↑	46	Finland
9.07 Non-performing loans % of gross total loans	6.4	88.0 ↓	83	Multiple (3)
9.08 Credit gap %	-3.1	100.0 ↑	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	18.4	100.0 =	50	Multiple (74)
 10th pillar: Market size 0–100	-	70.3 ↓	32	China
10.01 Gross domestic product PPP \$ billions	643	N/Appl.	33	China
10.02 Imports of goods and services % GDP	76.3	N/Appl.	19	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	69.3 ↑	31	United States
Administrative requirements 0–100	-	71.1 ↓	69	United States
11.01 Cost of starting a business % of GNI per capita	22.8	88.6 ↓	111	Multiple (2)
11.02 Time to start a business days	4.0	96.5 ↑	14	New Zealand
11.03 Insolvency recovery rate cents to the dollar	28.4	30.6 ↓	96	Japan
11.04 Insolvency regulatory framework 0–16 (best)	11.0	68.8 =	49	Multiple (6)
Entrepreneurial culture 0–100	-	67.4 ↑	8	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	5.0	66.9 ↑	7	Israel
11.06 Willingness to delegate authority 1–7 (best)	5.2	70.4 ↑	20	Denmark
11.07 Growth of innovative companies 1–7 (best)	5.2	70.8 ↑	5	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.7	61.6 ↑	9	Israel
 12th pillar: Innovation capability 0–100	-	52.3 ↑	33	Germany
Interaction and diversity 0–100	-	59.2 ↑	25	Singapore
12.01 Diversity of workforce 1–7 (best)	5.7	79.0 ↑	2	Singapore
12.02 State of cluster development 1–7 (best)	5.2	69.5 ↑	9	Italy
12.03 International co-inventions per million pop.	1.28	25.3 ↑	40	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.8	63.1 ↑	17	Israel
Research and development 0–100	-	35.4 ↑	50	Japan
12.05 Scientific publications score	170.7	76.2 ↑	64	Multiple (9)
12.06 Patent applications per million pop.	3.86	29.0 ↓	47	Multiple (8)
12.07 R&D expenditures % GDP	1.0	32.1 ↑	37	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.02	4.2 ↑	59	Multiple (7)
Commercialization 0–100	-	72.5 ↑	22	Luxembourg
12.09 Buyer sophistication 1–7 (best)	4.7	62.4 ↑	12	Korea, Rep.
12.10 Trademark applications per million pop.	2,151.71	82.6 ↑	37	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/>