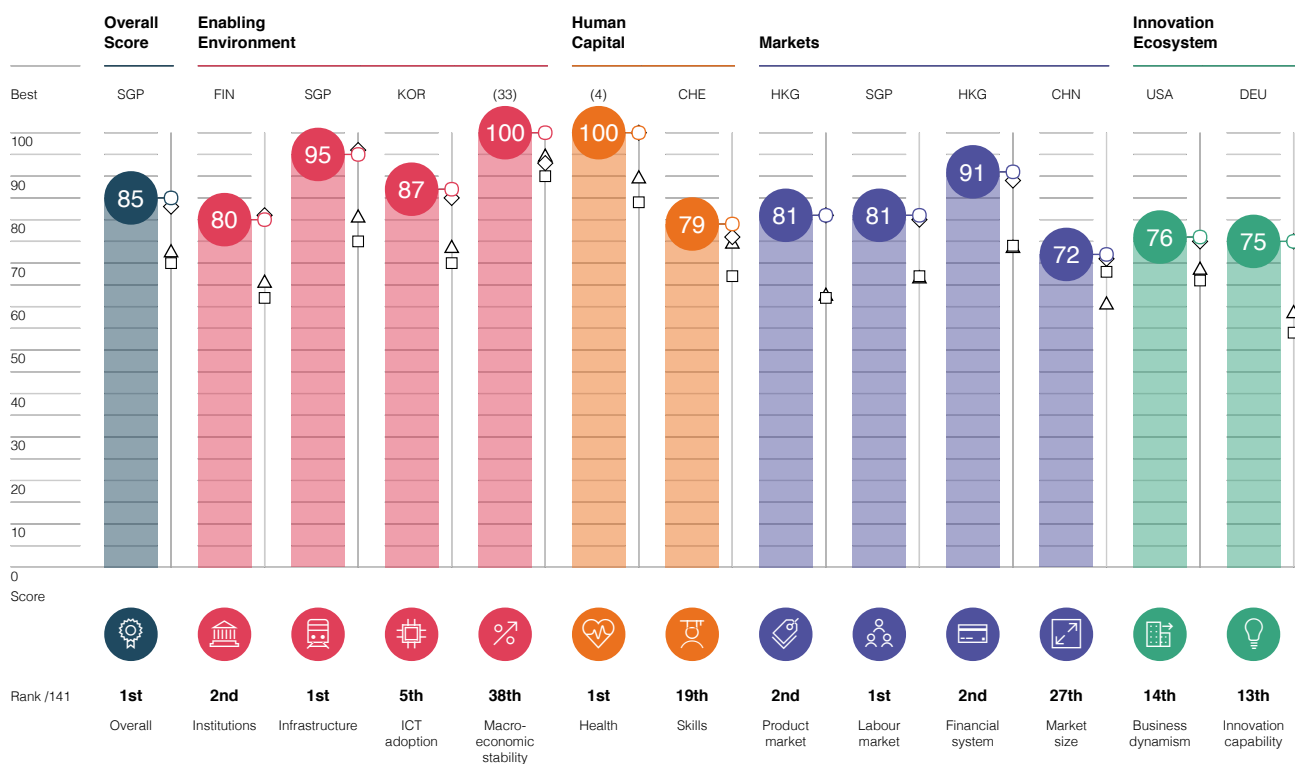


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 2nd / 140

Performance Overview 2019 Key ◇ Previous edition △ High-income group average □ East Asia and Pacific average





Selected contextual indicators

Population millions	5.6	GDP (PPP) % world GDP	0.42
GDP per capita US\$	64,041.4	5-year average FDI inward flow % GDP	22.5
10-year average annual GDP growth %	4.6		

Social and environmental performance

Renewable energy consumption share %	0.7	Global Gender Gap Index 0-1 (gender parity)	0.7
Unemployment rate %	3.8		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	80.4 ↓	2	Finland
Security 0–100	-	96.1 ↑	2	Finland
1.01 Organized crime 1–7 (best)	6.6	92.6 ↑	4	Finland
1.02 Homicide rate per 100,000 pop.	0.2	100.0 =	1	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	100.0	100.0 =	1	Multiple (25)
1.04 Reliability of police services 1–7 (best)	6.5	91.9 ↓	2	Finland
Social capital 0–100	-	61.8 ↑	15	New Zealand
1.05 Social capital 0–100 (best)	61.8	61.8 ↑	15	New Zealand
Checks and balances 0–100	-	65.9 ↓	23	Finland
1.06 Budget transparency 0–100 (best)	n/a	78.0	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.6	77.4 ↓	14	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.6	59.4 ↑	15	Finland
1.09 Freedom of the press 0–100 (worst)	51.4	48.6 ↓	124	Norway
Public-sector performance 0–100	-	85.9 ↓	1	Singapore
1.10 Burden of government regulation 1–7 (best)	5.5	74.4 ↓	1	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	6.2	86.6 ↑	1	Singapore
1.12 E-Participation 0–1 (best)	0.97	96.6 =	13	Multiple (3)
Transparency 0–100	-	85.0 ↑	3	Denmark
1.13 Incidence of corruption 0–100 (best)	85.0	85.0 ↑	3	Denmark
Property rights 0–100	-	91.3 ↑	2	Finland
1.14 Property rights 1–7 (best)	6.4	89.4 ↑	3	Finland
1.15 Intellectual property protection 1–7 (best)	6.4	89.3 ↑	2	Finland
1.16 Quality of land administration 0–30 (best)	28.5	95.0 ↓	1	Multiple (5)
Corporate governance 0–100	-	82.5 ↓	2	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	6.3	87.6 ↓	3	Finland
1.18 Conflict of interest regulation 0–10 (best)	9.3	93.0 =	2	Kenya
1.19 Shareholder governance 0–10 (best)	6.7	67.0 =	37	Kazakhstan
Future orientation of government 0–100	-	74.5	8	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	6.3	89.1	2	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	6.1	85.2	1	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	5.6	76.5	3	United States
1.23 Government long-term vision 1–7 (best)	6.5	91.2	1	Singapore
1.24 Energy efficiency regulation 0–100 (best)	74.6	74.6	19	Italy
1.25 Renewable energy regulation 0–100 (best)	53.9	53.9	62	Germany
1.26 Environment-related treaties in force count (out of 29)	18	62.1	119	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	95.4 ↓	1	Singapore
Transport infrastructure 0–100	-	91.7 ↓	1	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)	6.5	90.9 ↑	1	Singapore
2.03 Railroad density km/1,000 km ²	281.5	100.0	1	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	5.8	80.1 ↓	5	Japan
2.05 Airport connectivity score	352,687.7	85.4 =	23	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	6.7	95.5 ↑	1	Singapore
2.07 Liner shipping connectivity 0–100 (best)	133.9	100.0 =	2	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	6.5	90.8 ↑	1	Singapore
Utility infrastructure 0–100	-	99.2 ↓	5	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	1.9	100.0 =	2	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	1.7	100.0 ↑	25	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	6.8	96.8 ↓	7	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	87.1 ↑	5	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	145.7	100.0 =	16	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	145.7	N/Appl.	6	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	25.9	51.8 ↑	43	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	22.3	N/Appl.	8	Korea, Rep.
3.05 Internet users % of adult population	88.2	88.2 ↑	24	Qatar
 4th pillar: Macroeconomic stability 0–100	-	99.7 ↑	38	Multiple (33)
4.01 Inflation %	0.5	100.0 ↑	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	99.5	99.5 ↑	39	Multiple (34)
 5th pillar: Health 0–100	-	100.0 =	1	Multiple (4)
5.01 Healthy life expectancy years	74.2	100.0 =	1	Multiple (4)
 6th pillar: Skills 0–100	-	78.8 ↑	19	Switzerland
Current workforce 0–100	-	76.1 ↑	13	Switzerland
6.01 Mean years of schooling years	11.9	79.2 ↑	32	Germany
Skills of current workforce 0–100	-	73.1 ↑	3	Switzerland
6.02 Extent of staff training 1–7 (best)	5.4	73.3 ↑	4	Switzerland
6.03 Quality of vocational training 1–7 (best)	5.4	73.3 ↑	6	Switzerland
6.04 Skillset of graduates 1–7 (best)	5.4	73.4 ↑	4	Switzerland
6.05 Digital skills among active population 1–7 (best)	5.6	76.4 ↓	5	Finland
6.06 Ease of finding skilled employees 1–7 (best)	5.1	68.8 ↑	9	United States
Future workforce 0–100	-	81.4 ↑	22	Denmark
6.07 School life expectancy years	16.3	90.7 ↑	27	Multiple (11)
Skills of future workforce 0–100	-	72.1 ↑	28	Denmark
6.08 Critical thinking in teaching 1–7 (best)	4.4	56.9 ↓	21	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	15.1	87.4 ↑	48	Multiple (5)
 7th pillar: Product market 0–100	-	81.2 ↓	2	Hong Kong SAR
Domestic competition 0–100	-	73.8 ↓	2	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	5.8	79.8 ↓	1	Singapore
7.02 Extent of market dominance 1–7 (best)	4.8	63.8 ↓	15	Switzerland
7.03 Competition in services 1–7 (best)	5.7	77.7 ↑	6	Hong Kong SAR
Trade openness 0–100	-	88.7 ↑	1	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	6.0	83.6 ↑	1	Singapore
7.05 Trade tariffs %	0.02	99.9 ↑	2	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.9	99.0 ↓	3	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	3.9	72.2 =	6	Germany
 8th pillar: Labour market 0–100	-	81.2 ↑	1	Singapore
Flexibility 0–100	-	79.8 ↑	1	Singapore
8.01 Redundancy costs weeks of salary	3.0	100.0 =	5	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	5.6	77.0 ↑	3	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	6.1	85.3 ↑	1	Singapore
8.04 Flexibility of wage determination 1–7 (best)	6.0	83.9 ↓	3	Estonia
8.05 Active labour market policies 1–7 (best)	5.5	75.5 ↓	3	Switzerland
8.06 Workers' rights 0–100 (best)	89.0	89.0 ↑	18	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.9	47.6 ↑	93	Albania
8.08 Internal labour mobility 1–7 (best)	Not applicable	Not applicable	n/a	United States
Meritocracy and incentivization 0–100	-	82.7 ↓	5	Denmark
8.09 Reliance on professional management 1–7 (best)	6.0	83.5 ↓	3	Finland
8.10 Pay and productivity 1–7 (best)	5.5	74.6 ↑	3	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.89	86.3 ↑	31	Multiple (4)
8.12 Labour tax rate %	17.8	86.4 =	75	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	91.3 ↑	2	Hong Kong SAR
Depth 0–100	-	86.7 ↑	2	United States
9.01 Domestic credit to private sector % GDP	126.5	100.0 =	18	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	5.2	69.8 ↓	6	Finland
9.03 Venture capital availability 1–7 (best)	4.8	63.5 ↑	6	United States
9.04 Market capitalization % GDP	220.1	100.0 =	4	Multiple (15)
9.05 Insurance premium volume to GDP	6.3	100.0 ↑	14	Multiple (17)
Stability 0–100	-	97.0 ↑	3	Finland
9.06 Soundness of banks 1–7 (best)	6.5	91.2 ↑	2	Finland
9.07 Non-performing loans % of gross total loans	1.4	98.2 ↓	17	Multiple (3)
9.08 Credit gap %	2.1	99.8 ↑	101	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	16.5	99.0 ↑	81	Multiple (74)
 10th pillar: Market size 0–100	-	71.5 ↑	27	China
10.01 Gross domestic product PPP \$ billions	503	N/Appl.	36	China
10.02 Imports of goods and services % GDP	154.3	N/Appl.	3	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	75.6 ↑	14	United States
Administrative requirements 0–100	-	86.9 ↑	19	United States
11.01 Cost of starting a business % of GNI per capita	0.4	99.8 ↑	9	Multiple (2)
11.02 Time to start a business days	1.5	99.0 ↑	2	New Zealand
11.03 Insolvency recovery rate cents to the dollar	88.8	95.6 ↑	5	Japan
11.04 Insolvency regulatory framework 0–16 (best)	8.5	53.1 =	88	Multiple (6)
Entrepreneurial culture 0–100	-	64.2 ↑	16	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.5	58.9 ↑	26	Israel
11.06 Willingness to delegate authority 1–7 (best)	5.3	72.2 ↓	17	Denmark
11.07 Growth of innovative companies 1–7 (best)	5.0	66.3 ↑	14	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.6	59.6 ↑	13	Israel
 12th pillar: Innovation capability 0–100	-	75.2 ↑	13	Germany
Interaction and diversity 0–100	-	78.7 ↑	1	Singapore
12.01 Diversity of workforce 1–7 (best)	5.8	79.9 ↓	1	Singapore
12.02 State of cluster development 1–7 (best)	5.1	69.2 ↑	10	Italy
12.03 International co-inventions per million pop.	26.31	100.0 =	5	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	5.0	66.0 ↑	11	Israel
Research and development 0–100	-	70.5 ↓	21	Japan
12.05 Scientific publications score	493.7	91.9 ↑	23	Multiple (9)
12.06 Patent applications per million pop.	118.66	87.9 ↓	15	Multiple (8)
12.07 R&D expenditures % GDP	2.2	72.0 ↓	14	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.11	30.1 ↓	21	Multiple (7)
Commercialization 0–100	-	77.3 ↑	10	Luxembourg
12.09 Buyer sophistication 1–7 (best)	4.8	63.5 ↑	9	Korea, Rep.
12.10 Trademark applications per million pop.	4,821.95	91.2 ↑	21	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/>