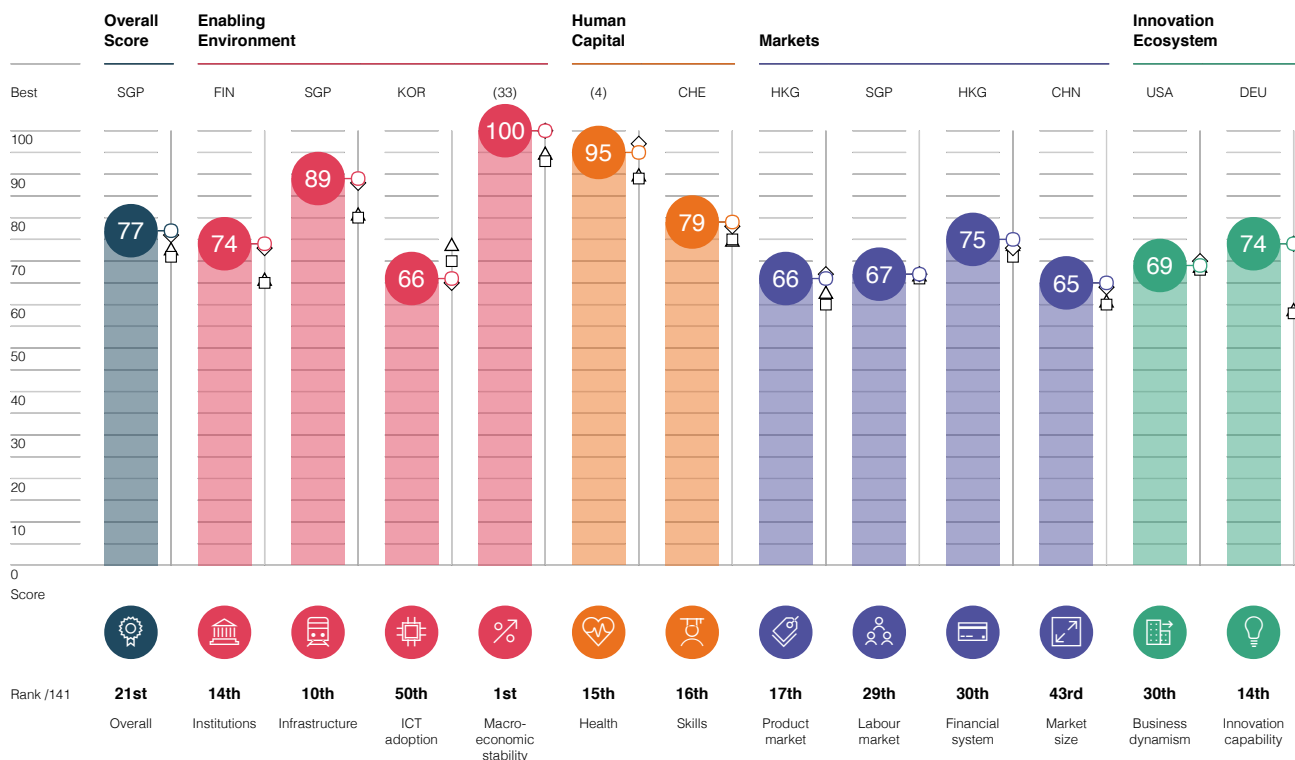


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 22nd / 140

Performance Overview 2019

Key ◇ Previous edition ▲ High-income group average □ Europe and North America average





Selected contextual indicators

Population millions	8.9	GDP (PPP) % world GDP	0.34
GDP per capita US\$	51,509.0	5-year average FDI inward flow % GDP	0.7
10-year average annual GDP growth %	1.4		

Social and environmental performance

Environmental footprint gha/capita	5.0	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	34.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	30.5
Unemployment rate %	4.8		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	73.5 ↑	14	Finland
Security 0–100	-	91.2 ↑	13	Finland
1.01 Organized crime 1–7 (best)	5.8	79.6 ↑	19	Finland
1.02 Homicide rate per 100,000 pop.	0.7	99.3 ↓	20	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.9	99.9 =	65	Multiple (25)
1.04 Reliability of police services 1–7 (best)	6.2	86.0 ↑	12	Finland
Social capital 0–100	-	61.6 ↑	17	New Zealand
1.05 Social capital 0–100 (best)	61.6	61.6 ↑	17	New Zealand
Checks and balances 0–100	-	69.7 ↑	20	Finland
1.06 Budget transparency 0–100 (best)	n/a	63.1	n/a	Multiple (2)
1.07 Judicial independence 1–7 (best)	5.7	77.6 ↑	12	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.2	53.4 ↑	31	Finland
1.09 Freedom of the press 0–100 (worst)	15.3	84.7 ↓	16	Norway
Public-sector performance 0–100	-	65.6 ↑	29	Singapore
1.10 Burden of government regulation 1–7 (best)	3.7	44.7 ↑	56	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	5.2	69.5 ↑	14	Singapore
1.12 E-Participation 0–1 (best)	0.83	82.6 =	44	Multiple (3)
Transparency 0–100	-	76.0 ↑	14	Denmark
1.13 Incidence of corruption 0–100 (best)	76.0	76.0 ↑	14	Denmark
Property rights 0–100	-	81.5 ↑	10	Finland
1.14 Property rights 1–7 (best)	6.2	86.2 ↑	6	Finland
1.15 Intellectual property protection 1–7 (best)	5.9	81.6 ↑	9	Finland
1.16 Quality of land administration 0–30 (best)	23.0	76.7 =	30	Multiple (5)
Corporate governance 0–100	-	74.6 ↑	11	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	6.2	86.8 ↑	4	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 =	68	Kenya
1.19 Shareholder governance 0–10 (best)	8.0	80.0 =	7	Kazakhstan
Future orientation of government 0–100	-	68.2	21	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	5.9	81.4	5	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	4.5	58.0	26	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.3	55.3	32	United States
1.23 Government long-term vision 1–7 (best)	4.3	55.8	48	Singapore
1.24 Energy efficiency regulation 0–100 (best)	73.0	73.0	23	Italy
1.25 Renewable energy regulation 0–100 (best)	65.6	65.6	40	Germany
1.26 Environment-related treaties in force count (out of 29)	24	82.8	36	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	89.0 ↑	10	Singapore
Transport infrastructure 0–100	-	78.7 ↑	14	Singapore
2.01 Road connectivity 0–100 (best)	81.9	81.9 ↑	49	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	6.0	83.5 ↑	6	Singapore
2.03 Railroad density km/1,000 km ²	60.0	100.0 =	15	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	5.3	71.1 ↓	10	Japan
2.05 Airport connectivity score	118,724.5	65.3 =	37	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.2	70.7 ↑	39	Singapore
2.07 Liner shipping connectivity 0–100 (best)	n/a	n/a	n/a	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.7	44.3 ↑	89	Singapore
Utility infrastructure 0–100	-	99.3 ↑	4	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	4.4	99.6 ↓	15	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	0.2	100.0 =	6	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	6.9	97.8 ↑	5	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	65.6 ↑	50	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	123.5	100.0 =	56	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	88.0	N/Appl.	49	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	28.4	56.7 ↓	33	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.6	N/Appl.	75	Korea, Rep.
3.05 Internet users % of adult population	87.7	87.7 ↑	25	Qatar
 4th pillar: Macroeconomic stability 0–100	-	100.0 =	1	Multiple (33)
4.01 Inflation %	2.2	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	100.0	100.0 =	1	Multiple (34)
 5th pillar: Health 0–100	-	95.1 ↓	15	Multiple (4)
5.01 Healthy life expectancy years	70.4	95.1 ↓	14	Multiple (4)
 6th pillar: Skills 0–100	-	79.4 ↑	16	Switzerland
Current workforce 0–100	-	75.7 ↑	16	Switzerland
6.01 Mean years of schooling years	12.6	83.7 ↑	18	Germany
Skills of current workforce 0–100	-	67.7 ↑	14	Switzerland
6.02 Extent of staff training 1–7 (best)	5.1	68.4 ↑	13	Switzerland
6.03 Quality of vocational training 1–7 (best)	5.7	78.9 ↑	2	Switzerland
6.04 Skillset of graduates 1–7 (best)	5.3	70.8 ↑	9	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.8	63.0 ↓	40	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.5	57.6 ↓	48	United States
Future workforce 0–100	-	83.0 ↑	17	Denmark
6.07 School life expectancy years	16.3	90.5 ↑	29	Multiple (11)
Skills of future workforce 0–100	-	75.5 ↑	19	Denmark
6.08 Critical thinking in teaching 1–7 (best)	4.1	51.0 ↑	35	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	10.0	100.0 ↑	6	Multiple (5)
 7th pillar: Product market 0–100	-	66.1 ↓	17	Hong Kong SAR
Domestic competition 0–100	-	67.5 ↑	15	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	4.5	58.9 ↑	24	Singapore
7.02 Extent of market dominance 1–7 (best)	5.0	67.3 ↑	10	Switzerland
7.03 Competition in services 1–7 (best)	5.6	76.4 ↑	10	Hong Kong SAR
Trade openness 0–100	-	64.6 ↓	28	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	5.0	66.6 ↑	24	Singapore
7.05 Trade tariffs %	1.12	92.5 ↑	7	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	2.9	31.6 ↓	113	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	3.7	67.9 =	12	Germany
 8th pillar: Labour market 0–100	-	67.2 ↓	29	Singapore
Flexibility 0–100	-	63.1 ↓	37	Singapore
8.01 Redundancy costs weeks of salary	2.0	100.0 =	4	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.9	47.8 ↑	71	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	5.5	75.4 ↑	10	Singapore
8.04 Flexibility of wage determination 1–7 (best)	2.5	24.9 ↑	140	Estonia
8.05 Active labour market policies 1–7 (best)	5.7	79.0 ↑	2	Switzerland
8.06 Workers' rights 0–100 (best)	n/a	87.4 ↓	n/a	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.7	45.0 ↓	104	Albania
8.08 Internal labour mobility 1–7 (best)	3.7	45.2 ↑	122	United States
Meritocracy and incentivization 0–100	-	71.2 ↓	28	Denmark
8.09 Reliance on professional management 1–7 (best)	5.4	73.9 ↓	18	Finland
8.10 Pay and productivity 1–7 (best)	4.6	60.3 ↑	29	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.89	86.5 ↓	29	Multiple (4)
8.12 Labour tax rate %	33.8	64.2 ↑	128	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	75.0 ↑	30	Hong Kong SAR
Depth 0–100	-	59.4 ↑	32	United States
9.01 Domestic credit to private sector % GDP	84.7	89.2 ↓	35	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.7	62.4 ↑	17	Finland
9.03 Venture capital availability 1–7 (best)	3.7	45.2 ↑	38	United States
9.04 Market capitalization % GDP	30.8	30.8 ↑	61	Multiple (15)
9.05 Insurance premium volume to GDP	4.2	69.5 ↓	32	Multiple (17)
Stability 0–100	-	94.4 ↑	11	Finland
9.06 Soundness of banks 1–7 (best)	5.9	81.5 ↑	20	Finland
9.07 Non-performing loans % of gross total loans	2.4	96.2 ↑	39	Multiple (3)
9.08 Credit gap %	-4.2	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.8	100.0 ↑	57	Multiple (74)
 10th pillar: Market size 0–100	-	64.6 ↑	43	China
10.01 Gross domestic product PPP \$ billions	412	N/Appl.	44	China
10.02 Imports of goods and services % GDP	55.7	N/Appl.	45	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	69.3 ↓	30	United States
Administrative requirements 0–100	-	83.0 ↑	30	United States
11.01 Cost of starting a business % of GNI per capita	4.8	97.6 ↑	58	Multiple (2)
11.02 Time to start a business days	21.0	79.4 =	105	New Zealand
11.03 Insolvency recovery rate cents to the dollar	80.1	86.2 ↑	21	Japan
11.04 Insolvency regulatory framework 0–16 (best)	11.0	68.8 =	49	Multiple (6)
Entrepreneurial culture 0–100	-	55.7 ↓	40	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.9	47.5 ↑	85	Israel
11.06 Willingness to delegate authority 1–7 (best)	5.2	70.3 ↓	21	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.6	59.3 ↓	34	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.7	45.7 ↓	59	Israel
 12th pillar: Innovation capability 0–100	-	74.5 ↑	14	Germany
Interaction and diversity 0–100	-	71.6 ↓	14	Singapore
12.01 Diversity of workforce 1–7 (best)	4.5	57.9 ↓	67	Singapore
12.02 State of cluster development 1–7 (best)	4.9	65.7 ↓	16	Italy
12.03 International co-inventions per million pop.	36.15	100.0 =	3	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	4.8	62.9 ↓	18	Israel
Research and development 0–100	-	77.6 ↑	11	Japan
12.05 Scientific publications score	579.0	94.2 ↑	17	Multiple (9)
12.06 Patent applications per million pop.	234.27	100.0 =	8	Multiple (8)
12.07 R&D expenditures % GDP	3.1	100.0 =	7	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.06	16.1 ↑	32	Multiple (7)
Commercialization 0–100	-	73.9 ↑	18	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.9	47.9 ↑	43	Korea, Rep.
12.10 Trademark applications per million pop.	11,700.63	100.0 =	5	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/>