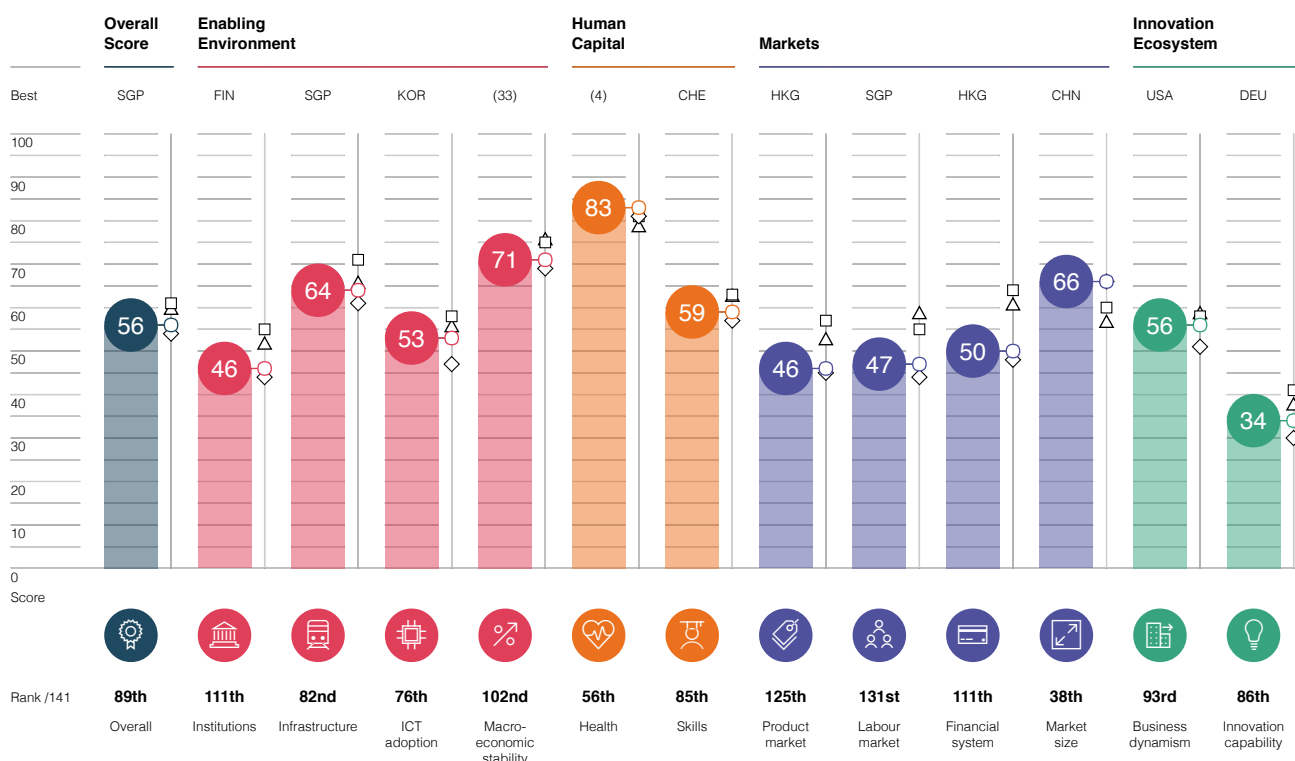


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 92nd/140

Performance Overview 2019

Key ◇ Previous edition △ Upper-middle-income group average □ Middle East and North Africa average





Selected contextual indicators

Population millions	42.6	GDP (PPP) % world GDP	0.49
GDP per capita US\$	4,237.5	5-year average FDI inward flow % GDP	0.6
10-year average annual GDP growth %	2.6		

Social and environmental performance

Environmental footprint gha/capita	0.9	Global Gender Gap Index 0-1 (gender parity)	0.6
Renewable energy consumption share %	0.1	Income Gini 0 (perfect equality) -100 (perfect inequality)	27.6
Unemployment rate %	12.1		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	45.5 ↑	111	Finland
Security 0–100	-	80.4 ↓	49	Finland
1.01 Organized crime 1–7 (best)	4.8	62.9 ↓	62	Finland
1.02 Homicide rate per 100,000 pop.	1.4	96.9 ↓	47	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	98.2	98.2 =	102	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.8	63.5 ↑	56	Finland
Social capital 0–100	-	45.0 ↑	119	New Zealand
1.05 Social capital 0–100 (best)	45.0	45.0 ↑	110	New Zealand
Checks and balances 0–100	-	35.7 ↓	120	Finland
1.06 Budget transparency 0–100 (best)	3	3.0	92	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.7	45.5 ↑	76	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.4	40.1 ↑	72	Finland
1.09 Freedom of the press 0–100 (worst)	45.8	54.3 ↓	115	Norway
Public-sector performance 0–100	-	37.9 ↑	117	Singapore
1.10 Burden of government regulation 1–7 (best)	3.5	42.2 ↑	71	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	4.1	51.4 ↑	54	Singapore
1.12 E-Participation 0–1 (best)	0.20	20.2 =	128	Multiple (3)
Transparency 0–100	-	35.0 ↑	91	Denmark
1.13 Incidence of corruption 0–100 (best)	35.0	35.0 ↑	91	Denmark
Property rights 0–100	-	42.1 ↑	110	Finland
1.14 Property rights 1–7 (best)	4.1	51.3 ↑	92	Finland
1.15 Intellectual property protection 1–7 (best)	4.0	49.9 ↑	79	Finland
1.16 Quality of land administration 0–30 (best)	7.5	25.0 ↑	118	Multiple (5)
Corporate governance 0–100	-	39.1 ↑	133	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	3.8	47.4 ↑	120	Finland
1.18 Conflict of interest regulation 0–10 (best)	3.3	33.0 =	133	Kenya
1.19 Shareholder governance 0–10 (best)	3.7	37.0 ↑	112	Kazakhstan
Future orientation of government 0–100	-	49.0	93	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.6	43.9	93	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.9	48.2	59	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.0	33.9	109	United States
1.23 Government long-term vision 1–7 (best)	3.7	44.4	77	Singapore
1.24 Energy efficiency regulation 0–100 (best)	55.4	55.4	49	Italy
1.25 Renewable energy regulation 0–100 (best)	45.3	45.3	77	Germany
1.26 Environment-related treaties in force count (out of 29)	19	65.5	107	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	63.8 ↑	82	Singapore
Transport infrastructure 0–100	-	43.4 ↑	94	Singapore
2.01 Road connectivity 0–100 (best)	87.2	87.2 ↑	33	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.0	50.5 ↑	68	Singapore
2.03 Railroad density km/1,000 km ²	1.7	4.2 ↑	92	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.8	46.3 ↑	48	Japan
2.05 Airport connectivity score	46,594.5	50.9 =	67	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.0	49.7 ↑	102	Singapore
2.07 Liner shipping connectivity 0–100 (best)	10.4	10.4 ↑	85	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.9	48.0 ↑	82	Singapore
Utility infrastructure 0–100	-	84.2 ↑	73	Iceland
2.09 Electricity access % of population	99.1	99.1 ↓	77	Multiple (67)
2.10 Electricity supply quality % of output	15.1	88.4 ↑	96	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	12.3	89.5 ↓	64	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.6	59.6 ↑	79	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	52.7 ↑	76	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	121.9	100.0 =	61	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	96.7	N/Apl.	35	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	7.3	14.5 ↓	85	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Apl.	119	Korea, Rep.
3.05 Internet users % of adult population	59.6	59.6 ↑	83	Qatar
 4th pillar: Macroeconomic stability 0–100	-	71.2 ↑	102	Multiple (33)
4.01 Inflation %	4.9	97.4 ↑	106	Multiple (88)
4.02 Debt dynamics 0–100 (best)	45.0	45.0 ↑	113	Multiple (34)
 5th pillar: Health 0–100	-	82.8 ↑	56	Multiple (4)
5.01 Healthy life expectancy years	66.5	82.8 ↑	55	Multiple (4)
 6th pillar: Skills 0–100	-	59.1 ↑	85	Switzerland
Current workforce 0–100	-	53.0 ↑	83	Switzerland
6.01 Mean years of schooling years	8.7	58.0 =	83	Germany
Skills of current workforce 0–100	-	48.0 ↑	95	Switzerland
6.02 Extent of staff training 1–7 (best)	3.8	46.9 ↑	88	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.8	46.5 ↑	93	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.7	44.8 ↑	99	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.0	49.5 ↑	82	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.1	52.0 ↑	76	United States
Future workforce 0–100	-	65.2 ↑	85	Denmark
6.07 School life expectancy years	14.3	79.6 =	67	Multiple (11)
Skills of future workforce 0–100	-	50.7 ↑	94	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.2	37.0 ↑	88	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	24.2	64.4 ↑	91	Multiple (5)
 7th pillar: Product market 0–100	-	45.8 ↑	125	Hong Kong SAR
Domestic competition 0–100	-	50.0 ↑	85	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.5	42.2 ↑	90	Singapore
7.02 Extent of market dominance 1–7 (best)	4.1	52.5 ↑	41	Switzerland
7.03 Competition in services 1–7 (best)	4.3	55.5 ↑	120	Hong Kong SAR
Trade openness 0–100	-	41.5 ↓	136	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.7	45.6 ↓	127	Singapore
7.05 Trade tariffs %	15.12	0.0	138	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.5	92.3 ↓	32	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.1	28.3 =	127	Germany
 8th pillar: Labour market 0–100	-	47.1 ↑	131	Singapore
Flexibility 0–100	-	54.8 ↑	91	Singapore
8.01 Redundancy costs weeks of salary	17.3	72.3 ↑	78	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.0	50.3 ↑	55	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.3	55.8 ↑	78	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.9	65.2 ↑	75	Estonia
8.05 Active labour market policies 1–7 (best)	3.3	37.9 ↑	74	Switzerland
8.06 Workers' rights 0–100 (best)	57.0	57.0 ↓	113	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.4	39.6 ↑	125	Albania
8.08 Internal labour mobility 1–7 (best)	4.6	60.6 ↑	59	United States
Meritocracy and incentivization 0–100	-	39.4 ↑	137	Denmark
8.09 Reliance on professional management 1–7 (best)	3.5	41.7 ↑	121	Finland
8.10 Pay and productivity 1–7 (best)	3.8	46.5 ↑	81	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.21	1.4 ↓	137	Multiple (4)
8.12 Labour tax rate %	31.1	67.9 ↓	125	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	50.0 ↑	111	Hong Kong SAR
Depth 0–100	-	25.0 ↑	112	United States
9.01 Domestic credit to private sector % GDP	23.1	24.3 ↑	112	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.8	46.9 ↑	81	Finland
9.03 Venture capital availability 1–7 (best)	3.5	41.4 ↑	49	United States
9.04 Market capitalization % GDP	0.2	0.2 ↓	123	Multiple (15)
9.05 Insurance premium volume to GDP	0.7	12.1 ↑	105	Multiple (17)
Stability 0–100	-	81.4 ↑	113	Finland
9.06 Soundness of banks 1–7 (best)	4.0	50.8 ↑	110	Finland
9.07 Non-performing loans % of gross total loans	12.3	76.2 ↓	119	Multiple (3)
9.08 Credit gap %	2.6	98.5 ↓	106	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	19.0	100.0 =	41	Multiple (74)
 10th pillar: Market size 0–100	-	66.5 ↑	38	China
10.01 Gross domestic product PPP \$ billions	584	N/Appl.	35	China
10.02 Imports of goods and services % GDP	31.8	N/Appl.	105	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	56.2 ↑	93	United States
Administrative requirements 0–100	-	68.9 ↑	74	United States
11.01 Cost of starting a business % of GNI per capita	11.8	94.1 ↓	87	Multiple (2)
11.02 Time to start a business days	17.5	82.9 ↑	99	New Zealand
11.03 Insolvency recovery rate cents to the dollar	50.8	54.7 =	40	Japan
11.04 Insolvency regulatory framework 0–16 (best)	7.0	43.8 =	101	Multiple (6)
Entrepreneurial culture 0–100	-	43.5 ↑	110	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	3.6	43.5 ↑	114	Israel
11.06 Willingness to delegate authority 1–7 (best)	3.6	43.7 ↑	124	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.8	46.6 ↑	93	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	40.4 ↑	91	Israel
 12th pillar: Innovation capability 0–100	-	34.4 ↑	86	Germany
Interaction and diversity 0–100	-	36.3 ↑	92	Singapore
12.01 Diversity of workforce 1–7 (best)	4.2	53.6 ↑	93	Singapore
12.02 State of cluster development 1–7 (best)	3.9	48.3 ↑	61	Italy
12.03 International co-inventions per million pop.	0.02	0.6 ↓	104	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.6	42.7 ↑	91	Israel
Research and development 0–100	-	25.3 ↑	71	Japan
12.05 Scientific publications score	139.7	73.3 ↑	80	Multiple (9)
12.06 Patent applications per million pop.	0.03	0.5 ↓	110	Multiple (8)
12.07 R&D expenditures % GDP	0.5	17.8 ↑	59	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.04	9.8 ↑	48	Multiple (7)
Commercialization 0–100	-	48.7 ↑	96	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.8	46.4 ↑	55	Korea, Rep.
12.10 Trademark applications per million pop.	113.23	51.0 ↓	105	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/>