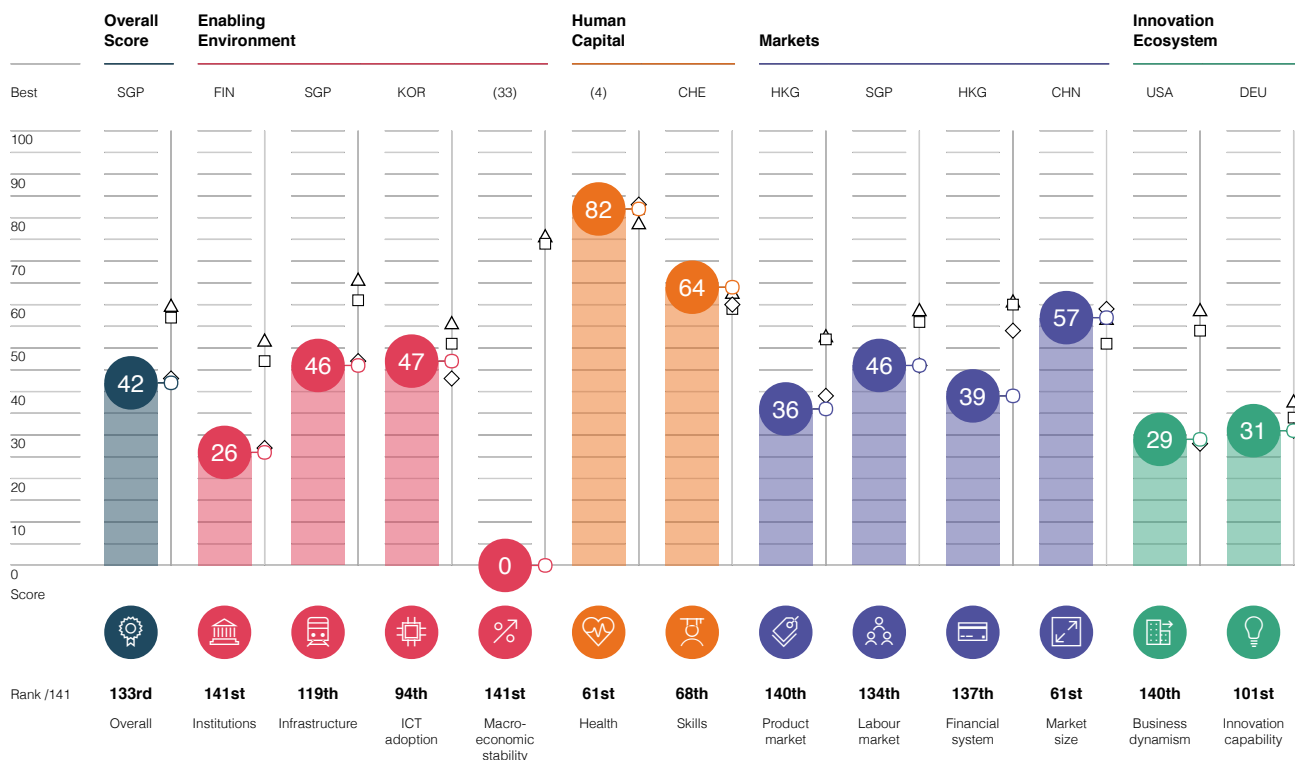


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 127th/140

Performance Key ◇ Previous edition ▲ Upper-middle-income group average □ Latin America and the Caribbean average
Overview 2019





Selected contextual indicators

Population millions	29.2	GDP (PPP) % world GDP	0.23
GDP per capita US\$	3,373.7	5-year average FDI inward flow % GDP	0.1
10-year average annual GDP growth %	-		

Social and environmental performance

Environmental footprint gha/capita	2.1	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	12.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	46.9
Unemployment rate %	8.4		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	25.7 ↓	141	Finland
Security 0–100	-	33.2 ↓	141	Finland
1.01 Organized crime 1–7 (best)	2.3	21.0 ↓	139	Finland
1.02 Homicide rate per 100,000 pop.	56.3	0.0	139	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	98.3	98.3 =	99	Multiple (25)
1.04 Reliability of police services 1–7 (best)	1.8	13.7 ↑	141	Finland
Social capital 0–100	-	45.6 ↑	111	New Zealand
1.05 Social capital 0–100 (best)	45.6	45.6 ↑	102	New Zealand
Checks and balances 0–100	-	14.6 ↓	141	Finland
1.06 Budget transparency 0–100 (best)	0	0.0	97	Multiple (2)
1.07 Judicial independence 1–7 (best)	1.1	1.9 ↓	141	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	1.3	5.5 ↑	141	Finland
1.09 Freedom of the press 0–100 (worst)	49.1	50.9 ↓	121	Norway
Public-sector performance 0–100	-	21.7 ↑	140	Singapore
1.10 Burden of government regulation 1–7 (best)	1.8	12.8 ↑	140	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	1.7	11.7 ↑	141	Singapore
1.12 E-Participation 0–1 (best)	0.40	40.5 =	113	Multiple (3)
Transparency 0–100	-	18.0 =	139	Denmark
1.13 Incidence of corruption 0–100 (best)	18.0	18.0 =	139	Denmark
Property rights 0–100	-	14.2 ↑	141	Finland
1.14 Property rights 1–7 (best)	1.6	9.8 ↓	141	Finland
1.15 Intellectual property protection 1–7 (best)	1.9	14.5 ↑	141	Finland
1.16 Quality of land administration 0–30 (best)	5.5	18.3 =	135	Multiple (5)
Corporate governance 0–100	-	35.2 ↓	138	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.1	51.5 ↓	106	Finland
1.18 Conflict of interest regulation 0–10 (best)	2.7	27.0 =	139	Kenya
1.19 Shareholder governance 0–10 (best)	2.7	27.0 =	137	Kazakhstan
Future orientation of government 0–100	-	23.4	140	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	1.3	5.8	141	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	1.4	7.2	141	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	1.9	14.7	136	United States
1.23 Government long-term vision 1–7 (best)	1.4	6.6	140	Singapore
1.24 Energy efficiency regulation 0–100 (best)	26.3	26.3	91	Italy
1.25 Renewable energy regulation 0–100 (best)	19.1	19.1	107	Germany
1.26 Environment-related treaties in force count (out of 29)	20	69.0	95	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	46.2 ↓	119	Singapore
Transport infrastructure 0–100	-	24.7 ↑	136	Singapore
2.01 Road connectivity 0–100 (best)	85.7	85.7 ↑	40	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	2.6	26.2 ↓	128	Singapore
2.03 Railroad density km/1,000 km ²	0.5	1.3 ↑	103	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	1.5	7.7 =	101	Japan
2.05 Airport connectivity score	7,402.4	29.0 =	109	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	2.2	20.0 ↓	140	Singapore
2.07 Liner shipping connectivity 0–100 (best)	9.8	9.8 ↑	86	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	2.1	17.9 ↓	132	Singapore
Utility infrastructure 0–100	-	67.7 ↓	106	Iceland
2.09 Electricity access % of population	98.9	98.9 ↓	83	Multiple (67)
2.10 Electricity supply quality % of output	33.2	69.6 ↑	123	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	14.7	87.0 ↓	69	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	1.9	15.1 ↓	139	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	46.7 ↑	94	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	71.8	59.8 ↓	127	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	54.5	N/Appl.	99	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	8.7	17.5 ↑	80	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	120	Korea, Rep.
3.05 Internet users % of adult population	72.0	72.0 ↑	61	Qatar
 4th pillar: Macroeconomic stability 0–100	-	0.0	141	Multiple (33)
4.01 Inflation %	465,141.6	0.0	141	Multiple (88)
4.02 Debt dynamics 0–100 (best)	0.0	0.0	140	Multiple (34)
 5th pillar: Health 0–100	-	81.9 ↓	61	Multiple (4)
5.01 Healthy life expectancy years	66.2	81.9 ↓	60	Multiple (4)
 6th pillar: Skills 0–100	-	63.7 ↑	68	Switzerland
Current workforce 0–100	-	57.4 ↑	68	Switzerland
6.01 Mean years of schooling years	10.3	68.8 ↑	53	Germany
Skills of current workforce 0–100	-	46.1 ↑	102	Switzerland
6.02 Extent of staff training 1–7 (best)	3.4	40.4 ↑	124	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.3	54.4 ↑	59	Switzerland
6.04 Skillset of graduates 1–7 (best)	4.2	52.8 ↑	63	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.6	42.8 ↓	113	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.4	39.8 ↑	128	United States
Future workforce 0–100	-	70.0 ↑	69	Denmark
6.07 School life expectancy years	n/a	83.8 ↑	n/a	Multiple (11)
Skills of future workforce 0–100	-	56.1 ↑	78	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.3	37.8 ↑	86	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	n/a	74.5 ↑	n/a	Multiple (5)
 7th pillar: Product market 0–100	-	36.4 ↓	140	Hong Kong SAR
Domestic competition 0–100	-	29.5 ↓	138	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	1.8	14.1 ↓	141	Singapore
7.02 Extent of market dominance 1–7 (best)	2.9	31.7 ↑	132	Switzerland
7.03 Competition in services 1–7 (best)	3.6	42.6 ↓	136	Hong Kong SAR
Trade openness 0–100	-	43.3 ↓	133	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.3	37.6 ↓	138	Singapore
7.05 Trade tariffs %	11.64	22.4 ↑	126	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.6	93.7 =	23	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	1.8	19.7 =	135	Germany
 8th pillar: Labour market 0–100	-	46.1 ↑	134	Singapore
Flexibility 0–100	-	38.7 ↑	141	Singapore
8.01 Redundancy costs weeks of salary	N/Appl.	0.0	139	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	1.9	15.6 ↑	141	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.8	46.9 ↑	120	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.4	56.6 ↑	115	Estonia
8.05 Active labour market policies 1–7 (best)	1.7	11.8 ↓	139	Switzerland
8.06 Workers' rights 0–100 (best)	74.0	74.0 ↓	54	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.6	43.6 ↓	115	Albania
8.08 Internal labour mobility 1–7 (best)	4.7	61.3 ↑	55	United States
Meritocracy and incentivization 0–100	-	53.6 ↓	108	Denmark
8.09 Reliance on professional management 1–7 (best)	4.2	53.1 ↑	82	Finland
8.10 Pay and productivity 1–7 (best)	2.2	19.4 ↓	140	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.64	55.6 ↓	78	Multiple (4)
8.12 Labour tax rate %	18.0	86.1 =	76	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	38.7 ↓	137	Hong Kong SAR
Depth 0–100	-	25.4 ↓	110	United States
9.01 Domestic credit to private sector % GDP	n/a	n/a	n/a	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	2.8	29.2 ↓	131	Finland
9.03 Venture capital availability 1–7 (best)	2.1	17.7 ↓	129	United States
9.04 Market capitalization % GDP	2.5	2.5 ↓	115	Multiple (15)
9.05 Insurance premium volume to GDP	3.1	52.3 ↓	39	Multiple (17)
Stability 0–100	-	65.4 ↓	138	Finland
9.06 Soundness of banks 1–7 (best)	3.1	34.5 ↓	132	Finland
9.07 Non-performing loans % of gross total loans	n/a	n/a	n/a	Multiple (3)
9.08 Credit gap %	n/a	n/a	n/a	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	15.1	96.2 ↑	102	Multiple (74)
 10th pillar: Market size 0–100	-	56.9 ↓	61	China
10.01 Gross domestic product PPP \$ billions	277	N/Appl.	56	China
10.02 Imports of goods and services % GDP	7.2	N/Appl.	141	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	28.6 ↑	140	United States
Administrative requirements 0–100	-	9.3 =	140	United States
11.01 Cost of starting a business % of GNI per capita	391.3	0.0	141	Multiple (2)
11.02 Time to start a business days	230.0	0.0	141	New Zealand
11.03 Insolvency recovery rate cents to the dollar	5.6	6.0 =	132	Japan
11.04 Insolvency regulatory framework 0–16 (best)	5.0	31.3 =	120	Multiple (6)
Entrepreneurial culture 0–100	-	47.9 ↑	88	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.1	50.9 ↑	66	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.0	50.5 ↓	103	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.4	40.6 ↑	121	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.0	49.3 ↑	45	Israel
 12th pillar: Innovation capability 0–100	-	30.9 ↓	101	Germany
Interaction and diversity 0–100	-	33.2 ↑	110	Singapore
12.01 Diversity of workforce 1–7 (best)	4.8	64.0 ↑	40	Singapore
12.02 State of cluster development 1–7 (best)	2.6	25.9 ↑	137	Italy
12.03 International co-inventions per million pop.	0.08	2.5 ↓	88	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.4	40.4 ↑	99	Israel
Research and development 0–100	-	22.0 ↓	89	Japan
12.05 Scientific publications score	193.0	78.0 ↑	58	Multiple (9)
12.06 Patent applications per million pop.	0.21	3.6 ↓	90	Multiple (8)
12.07 R&D expenditures % GDP	0.1	4.0 ↓	107	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	2.3 ↓	70	Multiple (7)
Commercialization 0–100	-	44.2 ↑	107	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.2	20.6 ↑	138	Korea, Rep.
12.10 Trademark applications per million pop.	544.58	67.8 ↑	69	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/>