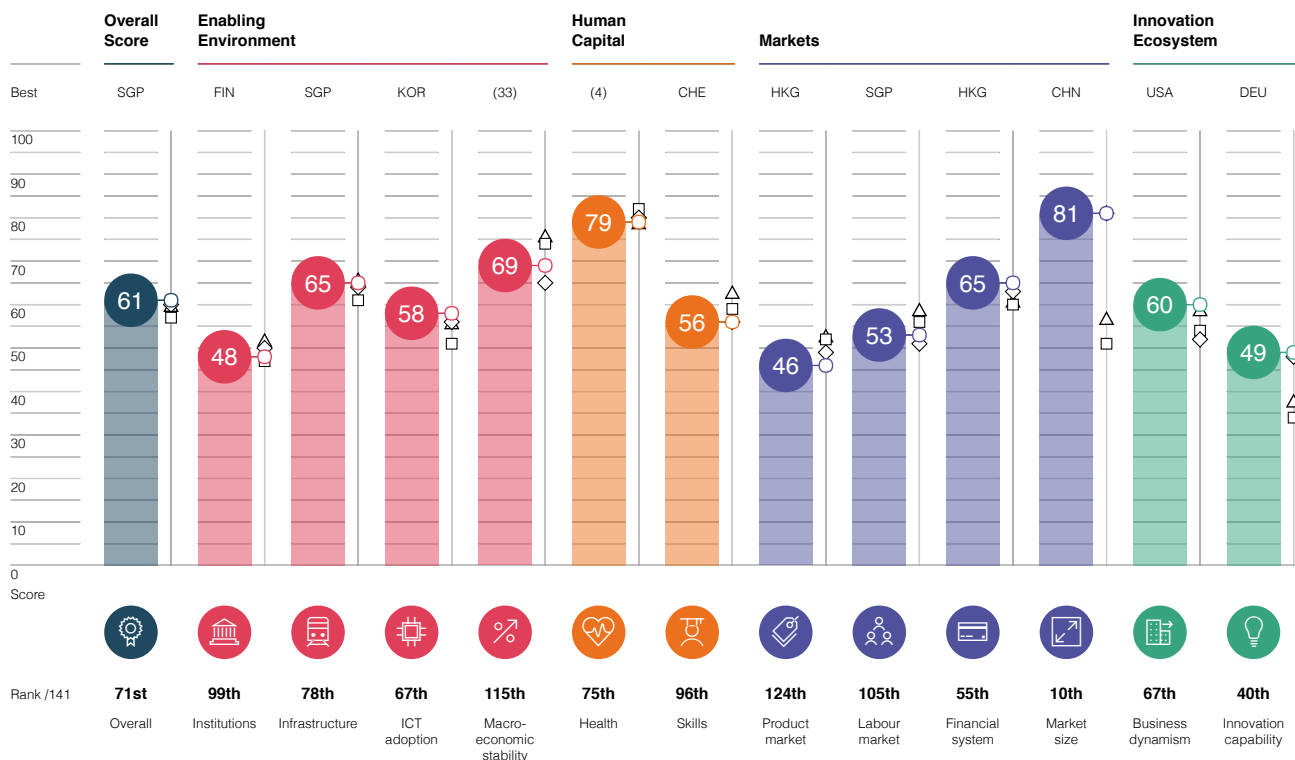


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 72nd / 140

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





Selected contextual indicators

Population millions	208.3	GDP (PPP) % world GDP	2.49
GDP per capita US\$	8,967.7	5-year average FDI inward flow % GDP	3.0
10-year average annual GDP growth %	1.2		

Social and environmental performance

Environmental footprint gha/capita	2.5	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	43.8	Income Gini 0 (perfect equality) -100 (perfect inequality)	53.3
Unemployment rate %	12.5		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	48.1 ↓	99	Finland
Security 0–100	-	43.0 ↓	132	Finland
1.01 Organized crime 1–7 (best)	3.0	33.8 ↓	132	Finland
1.02 Homicide rate per 100,000 pop.	30.5	0.0	132	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.8	99.8 =	74	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.3	38.5 ↓	117	Finland
Social capital 0–100	-	48.9 ↓	81	New Zealand
1.05 Social capital 0–100 (best)	48.9	48.9 ↓	75	New Zealand
Checks and balances 0–100	-	51.9 ↓	53	Finland
1.06 Budget transparency 0–100 (best)	77	77.0	7	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.1	35.6 ↓	94	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.7	27.7 ↑	115	Finland
1.09 Freedom of the press 0–100 (worst)	32.8	67.2 ↓	84	Norway
Public-sector performance 0–100	-	45.7 ↑	93	Singapore
1.10 Burden of government regulation 1–7 (best)	1.7	11.4 ↑	141	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.7	28.5 ↑	120	Singapore
1.12 E-Participation 0–1 (best)	0.97	97.2 =	12	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	-	47.1 ↓	91	Finland
1.14 Property rights 1–7 (best)	3.9	48.9 ↓	103	Finland
1.15 Intellectual property protection 1–7 (best)	3.8	46.4 ↓	95	Finland
1.16 Quality of land administration 0–30 (best)	13.8	46.0 =	85	Multiple (5)
Corporate governance 0–100	-	63.7 ↑	50	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.7	61.1 ↓	71	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.7	57.0 =	68	Kenya
1.19 Shareholder governance 0–10 (best)	7.3	73.0 ↑	17	Kazakhstan
Future orientation of government 0–100	-	49.1	91	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	2.7	28.0	130	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.8	29.2	122	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.0	33.5	111	United States
1.23 Government long-term vision 1–7 (best)	2.4	23.9	129	Singapore
1.24 Energy efficiency regulation 0–100 (best)	51.8	51.8	51	Italy
1.25 Renewable energy regulation 0–100 (best)	70.9	70.9	28	Germany
1.26 Environment-related treaties in force count (out of 29)	25	86.2	26	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	65.5 ↑	78	Singapore
Transport infrastructure 0–100	-	45.6 ↑	85	Singapore
2.01 Road connectivity 0–100 (best)	76.1	76.1 ↑	69	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.0	33.5 ↓	116	Singapore
2.03 Railroad density km/1,000 km[2]	3.6	8.9 ↑	78	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.5	24.3 ↓	86	Japan
2.05 Airport connectivity score	437,475.0	89.7 =	17	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.4	56.8 ↓	85	Singapore
2.07 Liner shipping connectivity 0–100 (best)	38.2	38.2 ↑	48	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.2	37.1 ↑	104	Singapore
Utility infrastructure 0–100	-	85.3 ↑	69	Iceland
2.09 Electricity access % of population	99.7	99.7 ↑	73	Multiple (67)
2.10 Electricity supply quality % of output	16.1	87.4 ↓	102	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	9.7	92.1 ↓	57	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.7	62.1 ↑	76	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	58.1 ↑	67	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	98.8	82.4 ↓	101	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	88.1	N/Appl.	46	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	14.9	29.8 ↑	61	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	1.6	N/Appl.	61	Korea, Rep.
3.05 Internet users % of adult population	67.5	67.5 ↑	70	Qatar
 4th pillar: Macroeconomic stability 0–100	-	69.4 ↑	115	Multiple (33)
4.01 Inflation %	3.6	100.0 ↑	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	38.8	38.8 ↑	132	Multiple (34)
 5th pillar: Health 0–100	-	79.4 ↓	75	Multiple (4)
5.01 Healthy life expectancy years	65.4	79.4 ↓	74	Multiple (4)
 6th pillar: Skills 0–100	-	56.4 ↑	96	Switzerland
Current workforce 0–100	-	44.9 ↓	110	Switzerland
6.01 Mean years of schooling years	7.6	50.5 ↑	101	Germany
Skills of current workforce 0–100	-	39.4 ↓	131	Switzerland
6.02 Extent of staff training 1–7 (best)	3.8	47.1 ↑	84	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.3	38.6 ↓	127	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.2	36.7 ↓	131	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.1	34.8 ↓	133	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.4	39.7 ↑	129	United States
Future workforce 0–100	-	67.9 ↑	76	Denmark
6.07 School life expectancy years	15.3	84.9 ↓	46	Multiple (11)
Skills of future workforce 0–100	-	50.9 ↑	92	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.7	27.6 ↑	126	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	20.3	74.2 ↑	77	Multiple (5)
 7th pillar: Product market 0–100	-	45.9 ↓	124	Hong Kong SAR
Domestic competition 0–100	-	45.0 ↓	114	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	2.5	25.3 ↓	136	Singapore
7.02 Extent of market dominance 1–7 (best)	3.8	46.2 ↓	73	Switzerland
7.03 Competition in services 1–7 (best)	4.8	63.5 ↑	82	Hong Kong SAR
Trade openness 0–100	-	46.7 ↓	125	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	3.4	40.4 ↓	135	Singapore
7.05 Trade tariffs %	12.34	17.7 ↑	128	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.6	93.7 ↓	22	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.4	35.2 =	103	Germany
 8th pillar: Labour market 0–100	-	53.5 ↑	105	Singapore
Flexibility 0–100	-	48.4 ↑	126	Singapore
8.01 Redundancy costs weeks of salary	15.5	76.0 ↓	68	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	2.8	29.3 ↑	133	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.6	44.1 ↓	128	Singapore
8.04 Flexibility of wage determination 1–7 (best)	4.3	54.8 ↑	123	Estonia
8.05 Active labour market policies 1–7 (best)	2.6	27.4 ↓	103	Switzerland
8.06 Workers' rights 0–100 (best)	62.0	62.0 ↓	104	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	3.6	43.9 ↑	110	Albania
8.08 Internal labour mobility 1–7 (best)	4.0	49.9 ↑	111	United States
Meritocracy and incentivization 0–100	-	58.5 ↑	91	Denmark
8.09 Reliance on professional management 1–7 (best)	4.5	58.6 ↑	53	Finland
8.10 Pay and productivity 1–7 (best)	3.4	40.4 ↑	116	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.83	78.6 ↑	47	Multiple (4)
8.12 Labour tax rate %	39.4	56.4 ↑	137	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	64.6 ↑	55	Hong Kong SAR
Depth 0–100	-	41.2 ↑	62	United States
9.01 Domestic credit to private sector % GDP	62.9	66.3 ↓	52	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.5	41.8 ↑	103	Finland
9.03 Venture capital availability 1–7 (best)	3.1	34.9 ↑	74	United States
9.04 Market capitalization % GDP	38.6	38.6 ↑	52	Multiple (15)
9.05 Insurance premium volume to GDP	1.5	24.7 ↓	76	Multiple (17)
Stability 0–100	-	93.9 ↑	17	Finland
9.06 Soundness of banks 1–7 (best)	5.9	81.6 ↑	19	Finland
9.07 Non-performing loans % of gross total loans	3.6	93.8 ↑	62	Multiple (3)
9.08 Credit gap %	-9.1	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	17.2	100.0 ↑	69	Multiple (74)
 10th pillar: Market size 0–100	-	81.3 ↑	10	China
10.01 Gross domestic product PPP \$ billions	2,991	N/Appl.	8	China
10.02 Imports of goods and services % GDP	13.6	N/Appl.	140	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	60.2 ↑	67	United States
Administrative requirements 0–100	-	68.6 ↑	75	United States
11.01 Cost of starting a business % of GNI per capita	5.0	97.5 =	60	Multiple (2)
11.02 Time to start a business days	20.5	79.9 ↑	104	New Zealand
11.03 Insolvency recovery rate cents to the dollar	14.6	15.7 ↑	125	Japan
11.04 Insolvency regulatory framework 0–16 (best)	13.0	81.3 =	17	Multiple (6)
Entrepreneurial culture 0–100	-	51.8 ↑	56	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.1	51.1 ↓	63	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.4	56.7 ↑	68	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.2	52.8 ↑	60	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.8	46.8 ↓	56	Israel
 12th pillar: Innovation capability 0–100	-	48.9 ↑	40	Germany
Interaction and diversity 0–100	-	39.4 ↓	76	Singapore
12.01 Diversity of workforce 1–7 (best)	4.4	56.2 ↓	77	Singapore
12.02 State of cluster development 1–7 (best)	3.9	48.7 ↓	58	Italy
12.03 International co-inventions per million pop.	0.31	8.2 ↑	67	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.7	44.3 ↑	74	Israel
Research and development 0–100	-	54.3 ↑	29	Japan
12.05 Scientific publications score	493.3	91.9 ↑	24	Multiple (9)
12.06 Patent applications per million pop.	1.93	19.8 ↓	58	Multiple (8)
12.07 R&D expenditures % GDP	1.3	42.2 ↑	27	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.25	63.4 ↑	14	Multiple (7)
Commercialization 0–100	-	57.2 ↑	63	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.6	43.1 ↑	73	Korea, Rep.
12.10 Trademark applications per million pop.	749.74	71.2 ↑	58	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/>