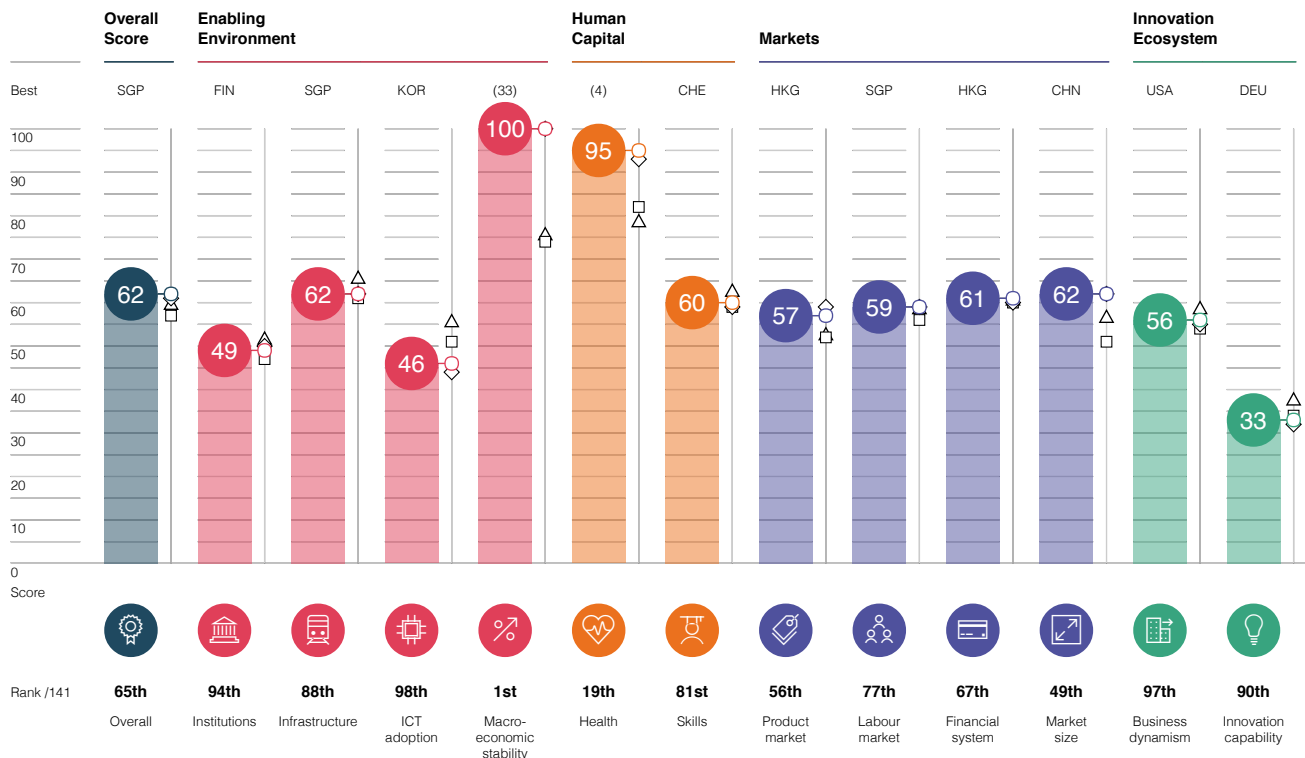


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 63rd/140

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





Selected contextual indicators

Population millions	32.2	GDP (PPP) % world GDP	0.34
GDP per capita US\$	7,002.1	5-year average FDI inward flow % GDP	3.2
10-year average annual GDP growth %	4.2		

Social and environmental performance

Environmental footprint gha/capita	2.2	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	25.5	Income Gini 0 (perfect equality) -100 (perfect inequality)	43.3
Unemployment rate %	2.8		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	48.9 ↓	94	Finland
Security 0–100	-	59.6 ↓	120	Finland
1.01 Organized crime 1–7 (best)	3.0	33.4 ↓	134	Finland
1.02 Homicide rate per 100,000 pop.	7.7	75.6 ↓	108	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.1	99.1 =	92	Multiple (25)
1.04 Reliability of police services 1–7 (best)	2.8	30.2 ↑	131	Finland
Social capital 0–100	-	49.1 ↑	80	New Zealand
1.05 Social capital 0–100 (best)	49.1	49.1 ↑	74	New Zealand
Checks and balances 0–100	-	49.5 ↓	64	Finland
1.06 Budget transparency 0–100 (best)	73	73.0	13	Multiple (2)
1.07 Judicial independence 1–7 (best)	2.5	25.5 ↓	122	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.8	29.9 ↓	105	Finland
1.09 Freedom of the press 0–100 (worst)	30.2	69.8 ↑	68	Norway
Public-sector performance 0–100	-	44.5 ↑	98	Singapore
1.10 Burden of government regulation 1–7 (best)	2.5	25.5 ↑	128	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	2.3	21.6 ↑	134	Singapore
1.12 E-Participation 0–1 (best)	0.87	86.5 =	35	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	-	46.0 ↓	95	Finland
1.14 Property rights 1–7 (best)	3.5	42.4 ↓	121	Finland
1.15 Intellectual property protection 1–7 (best)	3.2	37.1 ↓	124	Finland
1.16 Quality of land administration 0–30 (best)	17.5	58.3 =	59	Multiple (5)
Corporate governance 0–100	-	62.2 ↑	59	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.6	59.7 ↓	75	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.0	70.0 =	27	Kenya
1.19 Shareholder governance 0–10 (best)	5.7	57.0 ↑	75	Kazakhstan
Future orientation of government 0–100	-	44.9	108	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.8	46.7	78	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	2.8	29.9	119	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.0	34.1	107	United States
1.23 Government long-term vision 1–7 (best)	2.9	30.9	118	Singapore
1.24 Energy efficiency regulation 0–100 (best)	32.2	32.2	74	Italy
1.25 Renewable energy regulation 0–100 (best)	51.9	51.9	66	Germany
1.26 Environment-related treaties in force count (out of 29)	23	79.3	56	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	62.3 ↓	88	Singapore
Transport infrastructure 0–100	-	42.4 ↑	97	Singapore
2.01 Road connectivity 0–100 (best)	64.0	64.0 ↑	102	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.2	36.4 ↑	110	Singapore
2.03 Railroad density km/1,000 km ²	1.4	3.6 ↓	95	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	2.9	31.7 ↑	74	Japan
2.05 Airport connectivity score	76,200.0	58.2 =	50	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	4.3	54.2 ↑	92	Singapore
2.07 Liner shipping connectivity 0–100 (best)	43.8	43.8 ↑	39	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	3.8	47.1 ↑	84	Singapore
Utility infrastructure 0–100	-	82.2 ↓	79	Iceland
2.09 Electricity access % of population	95.0	95.0 ↓	94	Multiple (67)
2.10 Electricity supply quality % of output	10.6	93.1 ↑	67	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	18.5	83.1 ↓	77	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.5	57.7 ↓	85	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	45.7 ↑	98	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	123.8	100.0 =	53	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	65.7	N/Appl.	84	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	7.3	14.7 ↑	84	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	103	Korea, Rep.
3.05 Internet users % of adult population	52.5	52.5 ↑	94	Qatar
 4th pillar: Macroeconomic stability 0–100	-	100.0 =	1	Multiple (33)
4.01 Inflation %	2.1	100.0 =	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	100.0	100.0 =	1	Multiple (34)
 5th pillar: Health 0–100	-	94.6 ↑	19	Multiple (4)
5.01 Healthy life expectancy years	70.3	94.6 ↑	18	Multiple (4)
 6th pillar: Skills 0–100	-	60.2 ↑	81	Switzerland
Current workforce 0–100	-	51.6 ↓	90	Switzerland
6.01 Mean years of schooling years	9.2	61.1 ↑	76	Germany
Skills of current workforce 0–100	-	42.1 ↓	117	Switzerland
6.02 Extent of staff training 1–7 (best)	3.3	37.6 ↓	129	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.8	47.0 ↓	89	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.5	42.5 ↓	110	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.4	39.3 ↓	123	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.6	44.0 ↑	114	United States
Future workforce 0–100	-	68.8 ↑	71	Denmark
6.07 School life expectancy years	14.6	81.1 ↑	62	Multiple (11)
Skills of future workforce 0–100	-	56.6 ↑	76	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.9	31.6 ↓	113	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	17.4	81.5 ↑	61	Multiple (5)
 7th pillar: Product market 0–100	-	57.1 ↓	56	Hong Kong SAR
Domestic competition 0–100	-	47.6 ↓	100	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.3	37.9 ↓	108	Singapore
7.02 Extent of market dominance 1–7 (best)	3.3	38.7 ↑	104	Switzerland
7.03 Competition in services 1–7 (best)	5.0	66.3 ↑	69	Hong Kong SAR
Trade openness 0–100	-	66.5 ↓	16	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.3	55.1 ↓	82	Singapore
7.05 Trade tariffs %	1.48	90.1 ↑	34	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.0	82.7 =	65	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.5	38.2 =	85	Germany
 8th pillar: Labour market 0–100	-	59.0 ↑	77	Singapore
Flexibility 0–100	-	56.1 ↑	83	Singapore
8.01 Redundancy costs weeks of salary	11.4	84.6 ↑	39	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	2.7	28.0 ↓	134	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.0	50.7 ↑	108	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.5	75.1 ↓	25	Estonia
8.05 Active labour market policies 1–7 (best)	2.2	20.5 ↑	120	Switzerland
8.06 Workers' rights 0–100 (best)	73.0	73.0 ↑	57	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.1	52.2 ↓	72	Albania
8.08 Internal labour mobility 1–7 (best)	4.9	65.0 ↓	39	United States
Meritocracy and incentivization 0–100	-	61.9 ↑	75	Denmark
8.09 Reliance on professional management 1–7 (best)	4.1	52.1 ↑	87	Finland
8.10 Pay and productivity 1–7 (best)	3.5	42.1 ↓	102	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.66	57.6 ↑	77	Multiple (4)
8.12 Labour tax rate %	11.0	95.8 =	34	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	61.4 ↑	67	Hong Kong SAR
Depth 0–100	-	38.1 ↑	69	United States
9.01 Domestic credit to private sector % GDP	43.0	45.3 ↑	82	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.6	43.8 ↓	95	Finland
9.03 Venture capital availability 1–7 (best)	3.1	35.0 ↑	73	United States
9.04 Market capitalization % GDP	39.7	39.7 ↑	49	Multiple (15)
9.05 Insurance premium volume to GDP	1.6	27.0 ↑	70	Multiple (17)
Stability 0–100	-	90.6 ↑	51	Finland
9.06 Soundness of banks 1–7 (best)	5.5	75.1 ↑	43	Finland
9.07 Non-performing loans % of gross total loans	4.7	91.5 ↓	73	Multiple (3)
9.08 Credit gap %	-0.7	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	14.9	95.6 ↑	107	Multiple (74)
 10th pillar: Market size 0–100	-	62.2 ↑	49	China
10.01 Gross domestic product PPP \$ billions	407	N/Appl.	45	China
10.02 Imports of goods and services % GDP	23.5	N/Appl.	122	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	55.8 ↑	97	United States
Administrative requirements 0–100	-	65.6 ↑	87	United States
11.01 Cost of starting a business % of GNI per capita	9.9	95.1 ↑	81	Multiple (2)
11.02 Time to start a business days	24.5	75.9 ↑	111	New Zealand
11.03 Insolvency recovery rate cents to the dollar	29.8	32.1 ↑	90	Japan
11.04 Insolvency regulatory framework 0–16 (best)	9.5	59.4 =	69	Multiple (6)
Entrepreneurial culture 0–100	-	46.0 ↑	96	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.0	50.6 ↑	70	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.0	50.3 ↑	104	Denmark
11.07 Growth of innovative companies 1–7 (best)	3.6	44.1 ↑	102	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.3	39.0 ↑	107	Israel
 12th pillar: Innovation capability 0–100	-	32.7 ↑	90	Germany
Interaction and diversity 0–100	-	32.6 ↑	113	Singapore
12.01 Diversity of workforce 1–7 (best)	4.2	53.0 ↑	97	Singapore
12.02 State of cluster development 1–7 (best)	3.4	40.1 ↑	102	Italy
12.03 International co-inventions per million pop.	0.03	0.9 ↓	100	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.2	36.6 ↑	118	Israel
Research and development 0–100	-	22.3 ↑	88	Japan
12.05 Scientific publications score	195.0	78.2 ↑	56	Multiple (9)
12.06 Patent applications per million pop.	0.27	4.5 ↑	85	Multiple (8)
12.07 R&D expenditures % GDP	0.1	4.0 ↑	106	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	2.4 ↑	69	Multiple (7)
Commercialization 0–100	-	53.8 ↑	75	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.3	38.3 ↑	90	Korea, Rep.
12.10 Trademark applications per million pop.	631.48	69.4 ↑	64	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/>