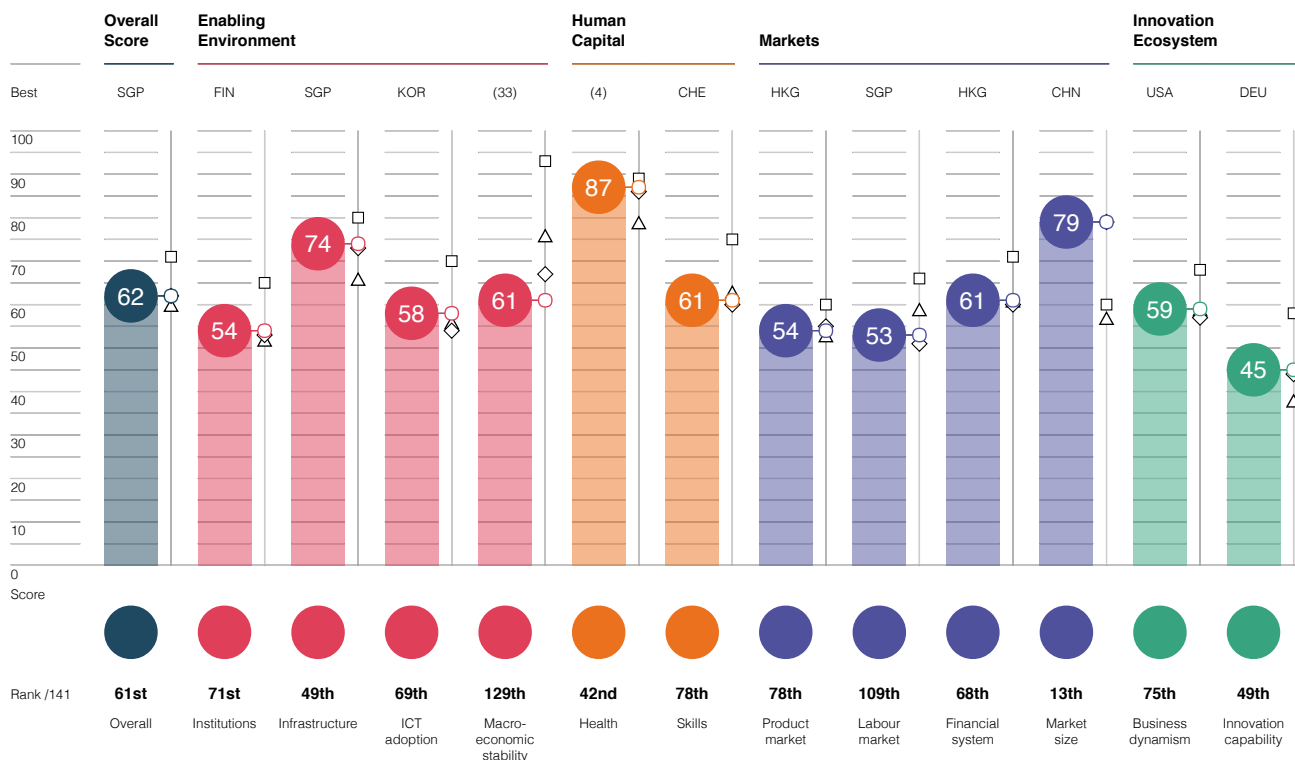


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 61st / 140

Performance Overview 2019

Key ◇ Previous edition △ Upper-middle-income group average □ Europe and North America average



Selected contextual indicators

Population millions	82.0	GDP (PPP) % world GDP	1.70
GDP per capita US\$	9,346.2	5-year average FDI inward flow % GDP	1.6
10-year average annual GDP growth %	5.5		

Social and environmental performance

Environmental footprint gha/capita	2.0	Global Gender Gap Index 0-1 (gender parity)	0.6
Renewable energy consumption share %	13.4	Income Gini 0 (perfect equality) -100 (perfect inequality)	41.9
Unemployment rate %	10.9		

Index Component	Value	Score *	Rank/141	Best Performer
1st pillar: Institutions 0–100	-	53.9 ↑	71	Finland
Security 0–100	-	61.0 ↑	119	Finland
1.01 Organized crime 1–7 (best)	4.5	58.4 ↑	81	Finland
1.02 Homicide rate per 100,000 pop.	4.3	87.1 ↑	89	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	42.5	42.5 =	135	Multiple (25)
1.04 Reliability of police services 1–7 (best)	4.3	55.8 ↑	70	Finland
Social capital 0–100	-	46.9 ↓	99	New Zealand
1.05 Social capital 0–100 (best)	46.9	46.9 ↓	91	New Zealand
Checks and balances 0–100	-	41.7 ↓	104	Finland
1.06 Budget transparency 0–100 (best)	58	58.0	32	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.0	33.2 ↑	104	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	2.7	28.3 ↑	111	Finland
1.09 Freedom of the press 0–100 (worst)	52.8	47.2 ↑	128	Norway
Public-sector performance 0–100	-	57.1 ↑	46	Singapore
1.10 Burden of government regulation 1–7 (best)	3.6	44.1 ↑	60	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.5	41.4 ↑	84	Singapore
1.12 E-Participation 0–1 (best)	0.86	86.0 =	36	Multiple (3)
Transparency 0–100	-	41.0 ↑	66	Denmark
1.13 Incidence of corruption 0–100 (best)	41.0	41.0 ↑	66	Denmark
Property rights 0–100	-	59.6 ↑	55	Finland
1.14 Property rights 1–7 (best)	4.3	54.2 ↑	78	Finland
1.15 Intellectual property protection 1–7 (best)	3.9	47.9 ↑	87	Finland
1.16 Quality of land administration 0–30 (best)	23.0	76.7 ↑	30	Multiple (5)
Corporate governance 0–100	-	66.7 ↑	42	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.4	56.1 ↑	89	Finland
1.18 Conflict of interest regulation 0–10 (best)	6.7	67.0 =	34	Kenya
1.19 Shareholder governance 0–10 (best)	7.7	77.0 =	12	Kazakhstan
Future orientation of government 0–100	-	57.2	61	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	3.8	46.1	82	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	4.2	52.8	41	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.0	49.6	45	United States
1.23 Government long-term vision 1–7 (best)	3.9	48.4	69	Singapore
1.24 Energy efficiency regulation 0–100 (best)	62.5	62.5	38	Italy
1.25 Renewable energy regulation 0–100 (best)	74.7	74.7	23	Germany
1.26 Environment-related treaties in force count (out of 29)	17	58.6	126	Multiple (6)
2nd pillar: Infrastructure 0–100	-	74.3 ↑	49	Singapore
Transport infrastructure 0–100	-	64.9 ↑	33	Singapore
2.01 Road connectivity 0–100 (best)	87.1	87.1 ↑	34	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	5.0	67.0 ↑	31	Singapore
2.03 Railroad density km/1,000 km ²	13.3	33.2 ↑	52	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	3.5	41.4 ↑	56	Japan
2.05 Airport connectivity score	558,459.1	94.9 =	14	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.4	74.0 ↑	31	Singapore
2.07 Liner shipping connectivity 0–100 (best)	59.7	59.7 ↑	27	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	4.7	62.1 ↑	44	Singapore
Utility infrastructure 0–100	-	83.6 ↑	75	Iceland
2.09 Electricity access % of population	100.0	100.0 =	2	Multiple (67)
2.10 Electricity supply quality % of output	12.8	90.9 ↑	82	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	22.7	78.9 ↓	83	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.9	64.8 ↑	69	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
3rd pillar: ICT adoption 0–100	-	57.8 ↑	69	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	97.3	81.1 ↑	105	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	74.2	N/Appl.	72	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	16.3	32.6 ↑	59	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	2.9	N/Appl.	48	Korea, Rep.
3.05 Internet users % of adult population	71.0	71.0 ↑	64	Qatar
4th pillar: Macroeconomic stability 0–100	-	61.3 ↓	129	Multiple (33)
4.01 Inflation %	13.7	73.0 ↓	132	Multiple (88)
4.02 Debt dynamics 0–100 (best)	49.6	49.6 ↓	96	Multiple (34)
5th pillar: Health 0–100	-	87.1 ↑	42	Multiple (4)
5.01 Healthy life expectancy years	67.9	87.1 ↑	41	Multiple (4)
6th pillar: Skills 0–100	-	60.8 ↑	78	Switzerland
Current workforce 0–100	-	46.7 ↓	104	Switzerland
6.01 Mean years of schooling years	7.6	50.7 ↓	100	Germany
Skills of current workforce 0–100	-	42.7 ↑	113	Switzerland
6.02 Extent of staff training 1–7 (best)	3.5	41.3 ↓	122	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.2	36.9 ↑	128	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.7	44.4 ↓	103	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.5	42.1 ↑	116	Finland
6.06 Ease of finding skilled employees 1–7 (best)	3.9	48.7 ↑	99	United States
Future workforce 0–100	-	75.0 ↑	49	Denmark
6.07 School life expectancy years	17.7	98.6 ↑	14	Multiple (11)
Skills of future workforce 0–100	-	51.4 ↑	91	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.4	23.7 ↑	134	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	18.4	79.0 =	69	Multiple (5)
7th pillar: Product market 0–100	-	54.1 ↓	78	Hong Kong SAR
Domestic competition 0–100	-	53.5 ↑	67	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.8	46.1 ↑	69	Singapore
7.02 Extent of market dominance 1–7 (best)	3.7	44.3 ↑	83	Switzerland
7.03 Competition in services 1–7 (best)	5.2	70.2 ↓	44	Hong Kong SAR
Trade openness 0–100	-	54.7 ↓	88	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.3	55.6 ↓	79	Singapore
7.05 Trade tariffs %	5.65	62.3 ↑	75	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	4.5	57.9 ↑	100	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.7	42.8 =	58	Germany
8th pillar: Labour market 0–100	-	52.9 ↑	109	Singapore
Flexibility 0–100	-	53.8 ↑	99	Singapore
8.01 Redundancy costs weeks of salary	29.8	46.3 ↓	124	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	3.6	42.6 ↑	100	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	3.8	47.3 ↓	118	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.3	71.0 ↓	46	Estonia
8.05 Active labour market policies 1–7 (best)	3.8	46.1 ↑	55	Switzerland
8.06 Workers' rights 0–100 (best)	61.0	61.0 ↑	109	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.2	53.5 ↑	63	Albania
8.08 Internal labour mobility 1–7 (best)	4.8	63.1 ↑	48	United States
Meritocracy and incentivization 0–100	-	51.9 ↑	112	Denmark
8.09 Reliance on professional management 1–7 (best)	4.2	53.6 ↑	78	Finland
8.10 Pay and productivity 1–7 (best)	3.6	43.7 ↑	96	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.42	27.4 ↑	112	Multiple (4)
8.12 Labour tax rate %	20.3	82.9 ↓	93	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
9th pillar: Financial system 0–100	-	61.2 ↑	68	Hong Kong SAR
Depth 0–100	-	39.4 ↑	67	United States
9.01 Domestic credit to private sector % GDP	69.2	72.9 ↑	47	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.0	49.6 ↑	63	Finland
9.03 Venture capital availability 1–7 (best)	2.9	32.4 ↑	88	United States
9.04 Market capitalization % GDP	22.9	22.9 ↑	73	Multiple (15)
9.05 Insurance premium volume to GDP	1.2	19.2 ↓	89	Multiple (17)
Stability 0–100	-	88.4 ↑	68	Finland
9.06 Soundness of banks 1–7 (best)	4.6	60.5 ↑	88	Finland
9.07 Non-performing loans % of gross total loans	2.8	95.3 ↑	51	Multiple (3)
9.08 Credit gap %	-1.9	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	16.0	98.0 ↑	91	Multiple (74)
10th pillar: Market size 0–100	-	79.0 ↑	13	China
10.01 Gross domestic product PPP \$ billions	2,038	N/Appl.	13	China
10.02 Imports of goods and services % GDP	32.0	N/Appl.	103	Hong Kong SAR
11th pillar: Business dynamism 0–100	-	58.8 ↑	75	United States
Administrative requirements 0–100	-	67.4 ↑	80	United States
11.01 Cost of starting a business % of GNI per capita	10.6	94.7 ↑	83	Multiple (2)
11.02 Time to start a business days	7.0	93.5 ↓	43	New Zealand
11.03 Insolvency recovery rate cents to the dollar	14.7	15.8 ↓	124	Japan
11.04 Insolvency regulatory framework 0–16 (best)	10.5	65.6 ↑	59	Multiple (6)
Entrepreneurial culture 0–100	-	50.2 ↓	71	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.3	55.4 ↑	40	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.3	55.1 ↑	75	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.1	51.0 ↓	70	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.4	39.4 ↓	101	Israel
12th pillar: Innovation capability 0–100	-	44.5 ↑	49	Germany
Interaction and diversity 0–100	-	36.0 ↑	93	Singapore
12.01 Diversity of workforce 1–7 (best)	3.7	45.1 ↑	128	Singapore
12.02 State of cluster development 1–7 (best)	3.8	47.5 ↑	67	Italy
12.03 International co-inventions per million pop.	0.31	8.4 ↑	64	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.6	43.1 ↑	86	Israel
Research and development 0–100	-	44.1 ↓	38	Japan
12.05 Scientific publications score	369.7	87.6 ↑	36	Multiple (9)
12.06 Patent applications per million pop.	3.08	25.8 ↑	50	Multiple (8)
12.07 R&D expenditures % GDP	0.9	29.4 ↓	40	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.13	33.4 ↓	19	Multiple (7)
Commercialization 0–100	-	62.4 ↓	49	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.7	44.7 ↓	59	Korea, Rep.
12.10 Trademark applications per million pop.	1,700.04	80.0 ↑	43	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/>