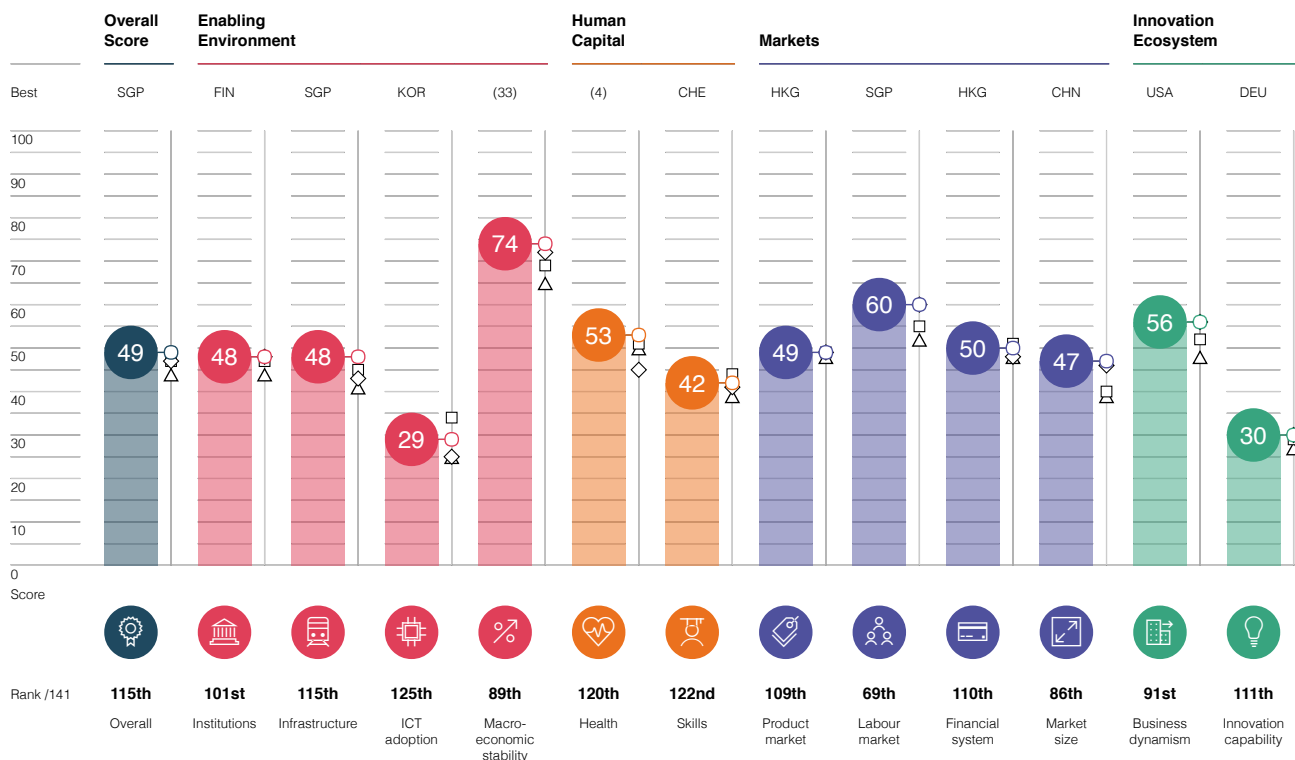


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 117th/140

Performance Overview 2019 Key ◇ Previous edition △ Low-income group average □ Sub-Saharan Africa average





Selected contextual indicators

Population millions	38.8	GDP (PPP) % world GDP	0.07
GDP per capita US\$	724.4	5-year average FDI inward flow % GDP	3.3
10-year average annual GDP growth %	4.4		

Social and environmental performance

Environmental footprint gha/capita	2.2	Global Gender Gap Index 0-1 (gender parity)	0.7
Renewable energy consumption share %	89.1	Income Gini 0 (perfect equality) -100 (perfect inequality)	42.8
Unemployment rate %	1.7		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	48.0 ↑	101	Finland
Security 0–100	-	63.5 ↑	112	Finland
1.01 Organized crime 1–7 (best)	3.9	48.2 ↑	109	Finland
1.02 Homicide rate per 100,000 pop.	11.0	64.4 ↑	121	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	98.3	98.3 =	101	Multiple (25)
1.04 Reliability of police services 1–7 (best)	3.6	43.3 ↑	106	Finland
Social capital 0–100	-	52.1 ↓	61	New Zealand
1.05 Social capital 0–100 (best)	52.1	52.1 ↓	56	New Zealand
Checks and balances 0–100	-	48.3 ↓	74	Finland
1.06 Budget transparency 0–100 (best)	60	60.0	27	Multiple (2)
1.07 Judicial independence 1–7 (best)	3.2	37.1 ↓	92	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	3.1	35.6 ↓	84	Finland
1.09 Freedom of the press 0–100 (worst)	39.4	60.6 ↓	102	Norway
Public-sector performance 0–100	-	50.2 ↑	75	Singapore
1.10 Burden of government regulation 1–7 (best)	3.7	44.8 ↑	55	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	3.6	43.3 ↓	73	Singapore
1.12 E-Participation 0–1 (best)	0.62	62.4 =	84	Multiple (3)
Transparency 0–100	-	26.0 =	125	Denmark
1.13 Incidence of corruption 0–100 (best)	26.0	26.0 =	125	Denmark
Property rights 0–100	-	42.2 ↑	108	Finland
1.14 Property rights 1–7 (best)	4.1	51.2 ↑	93	Finland
1.15 Intellectual property protection 1–7 (best)	3.4	40.3 ↓	115	Finland
1.16 Quality of land administration 0–30 (best)	10.5	35.0 =	98	Multiple (5)
Corporate governance 0–100	-	51.8 ↑	101	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.3	55.5 ↑	93	Finland
1.18 Conflict of interest regulation 0–10 (best)	5.0	50.0 =	97	Kenya
1.19 Shareholder governance 0–10 (best)	5.0	50.0 =	89	Kazakhstan
Future orientation of government 0–100	-	50.1	86	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	4.4	56.4	51	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	3.8	47.1	64	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	3.1	34.9	105	United States
1.23 Government long-term vision 1–7 (best)	4.4	56.6	42	Singapore
1.24 Energy efficiency regulation 0–100 (best)	29.5	29.5	81	Italy
1.25 Renewable energy regulation 0–100 (best)	55.9	55.9	55	Germany
1.26 Environment-related treaties in force count (out of 29)	20	69.0	95	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	47.9 ↑	115	Singapore
Transport infrastructure 0–100	-	48.5 ↑	75	Singapore
2.01 Road connectivity 0–100 (best)	75.5	75.5 ↑	74	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	3.7	44.2 ↑	90	Singapore
2.03 Railroad density km/1,000 km ²	n/a	n/a	n/a	Multiple (24)
2.04 Efficiency of train services 1–7 (best)	not assessed	n/a	n/a	Japan
2.05 Airport connectivity score	8,280.9	30.1 =	103	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	3.6	44.1 ↑	114	Singapore
2.07 Liner shipping connectivity 0–100 (best)	n/a	n/a	n/a	Multiple (5)
2.08 Efficiency of seaport services 1–7 (best)	2.7	27.7 ↑	121	Singapore
Utility infrastructure 0–100	-	47.3 ↓	126	Iceland
2.09 Electricity access % of population	19.7	19.7 ↑	135	Multiple (67)
2.10 Electricity supply quality % of output	n/a	81.1 ↑	n/a	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	63.1	37.7 ↓	115	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.0	50.6 ↑	103	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	29.4 ↑	125	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	57.3	47.7 ↓	131	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	33.6	N/Appl.	118	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.0	0.1 ↓	138	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	n/a	N/Appl.	n/a	Korea, Rep.
3.05 Internet users % of adult population	23.7	23.7 ↑	120	Qatar
 4th pillar: Macroeconomic stability 0–100	-	74.2 ↑	89	Multiple (33)
4.01 Inflation %	4.1	99.6 ↑	95	Multiple (88)
4.02 Debt dynamics 0–100 (best)	48.7	48.7 ↑	104	Multiple (34)
 5th pillar: Health 0–100	-	53.0 ↑	120	Multiple (4)
5.01 Healthy life expectancy years	57.0	53.0 ↑	119	Multiple (4)
 6th pillar: Skills 0–100	-	42.3 ↑	122	Switzerland
Current workforce 0–100	-	42.4 ↑	117	Switzerland
6.01 Mean years of schooling years	5.8	38.7 =	118	Germany
Skills of current workforce 0–100	-	46.1 ↑	100	Switzerland
6.02 Extent of staff training 1–7 (best)	3.8	46.3 ↑	91	Switzerland
6.03 Quality of vocational training 1–7 (best)	3.8	46.5 ↑	94	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.4	40.1 ↑	122	Switzerland
6.05 Digital skills among active population 1–7 (best)	3.4	40.4 ↓	121	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.4	57.4 ↓	50	United States
Future workforce 0–100	-	42.1 ↑	127	Denmark
6.07 School life expectancy years	n/a	60.3 ↑	n/a	Multiple (11)
Skills of future workforce 0–100	-	23.9 ↑	134	Denmark
6.08 Critical thinking in teaching 1–7 (best)	2.8	29.4 ↑	120	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	42.7	18.4 ↑	127	Multiple (5)
 7th pillar: Product market 0–100	-	49.1 ↑	109	Hong Kong SAR
Domestic competition 0–100	-	44.6 ↑	116	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	3.0	34.0 ↑	123	Singapore
7.02 Extent of market dominance 1–7 (best)	2.9	32.3 ↑	126	Switzerland
7.03 Competition in services 1–7 (best)	5.0	67.4 ↑	65	Hong Kong SAR
Trade openness 0–100	-	53.6 ↓	97	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.3	55.7 ↓	78	Singapore
7.05 Trade tariffs %	10.41	30.6 ↑	116	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.3	87.7 ↑	53	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.6	40.3 =	75	Germany
 8th pillar: Labour market 0–100	-	60.0 ↑	69	Singapore
Flexibility 0–100	-	63.1 ↓	36	Singapore
8.01 Redundancy costs weeks of salary	8.7	90.2 ↓	21	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.4	56.3 ↓	29	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.5	57.7 ↑	70	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.9	81.5 ↓	8	Estonia
8.05 Active labour market policies 1–7 (best)	2.6	27.3 ↑	105	Switzerland
8.06 Workers' rights 0–100 (best)	70.0	70.0 ↓	77	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.8	63.1 ↓	18	Albania
8.08 Internal labour mobility 1–7 (best)	4.5	58.9 ↓	69	United States
Meritocracy and incentivization 0–100	-	56.8 ↑	96	Denmark
8.09 Reliance on professional management 1–7 (best)	4.2	53.6 ↑	77	Finland
8.10 Pay and productivity 1–7 (best)	3.6	42.9 ↑	100	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.48	35.3 ↓	104	Multiple (4)
8.12 Labour tax rate %	11.3	95.4 =	36	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	50.3 ↑	110	Hong Kong SAR
Depth 0–100	-	20.7 ↑	123	United States
9.01 Domestic credit to private sector % GDP	15.4	16.2 ↑	124	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	3.9	47.9 ↓	75	Finland
9.03 Venture capital availability 1–7 (best)	2.5	25.0 ↑	114	United States
9.04 Market capitalization % GDP	4.6	4.6 =	109	Multiple (15)
9.05 Insurance premium volume to GDP	0.6	10.0 ↑	115	Multiple (17)
Stability 0–100	-	87.3 ↑	76	Finland
9.06 Soundness of banks 1–7 (best)	4.5	59.1 ↑	91	Finland
9.07 Non-performing loans % of gross total loans	5.5	89.9 ↑	77	Multiple (3)
9.08 Credit gap %	-1.5	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	21.3	100.0 =	25	Multiple (74)
 10th pillar: Market size 0–100	-	47.4 ↑	86	China
10.01 Gross domestic product PPP \$ billions	86	N/Appl.	80	China
10.02 Imports of goods and services % GDP	32.4	N/Appl.	100	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	56.4 ↑	91	United States
Administrative requirements 0–100	-	59.8 ↑	109	United States
11.01 Cost of starting a business % of GNI per capita	33.6	83.2 =	120	Multiple (2)
11.02 Time to start a business days	24.0	76.4 =	110	New Zealand
11.03 Insolvency recovery rate cents to the dollar	39.3	42.3 ↑	63	Japan
11.04 Insolvency regulatory framework 0–16 (best)	6.0	37.5 =	114	Multiple (6)
Entrepreneurial culture 0–100	-	52.9 ↑	52	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.4	56.0 ↑	38	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.4	57.3 ↑	64	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.2	53.3 ↓	55	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	3.7	44.8 ↑	66	Israel
 12th pillar: Innovation capability 0–100	-	29.5 ↓	111	Germany
Interaction and diversity 0–100	-	36.6 ↑	89	Singapore
12.01 Diversity of workforce 1–7 (best)	4.5	58.7 ↑	64	Singapore
12.02 State of cluster development 1–7 (best)	3.5	42.0 ↓	93	Italy
12.03 International co-inventions per million pop.	0.00	0.1 ↓	124	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.7	45.5 ↑	69	Israel
Research and development 0–100	-	20.6 ↓	102	Japan
12.05 Scientific publications score	156.7	74.9 ↑	73	Multiple (9)
12.06 Patent applications per million pop.	0.00	0.0 ↓	130	Multiple (8)
12.07 R&D expenditures % GDP	0.2	5.7 ↓	96	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.01	1.7 ↑	79	Multiple (7)
Commercialization 0–100	-	33.4 ↑	124	Luxembourg
12.09 Buyer sophistication 1–7 (best)	2.7	28.5 ↑	125	Korea, Rep.
12.10 Trademark applications per million pop.	34.33	38.3 ↑	118	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/>