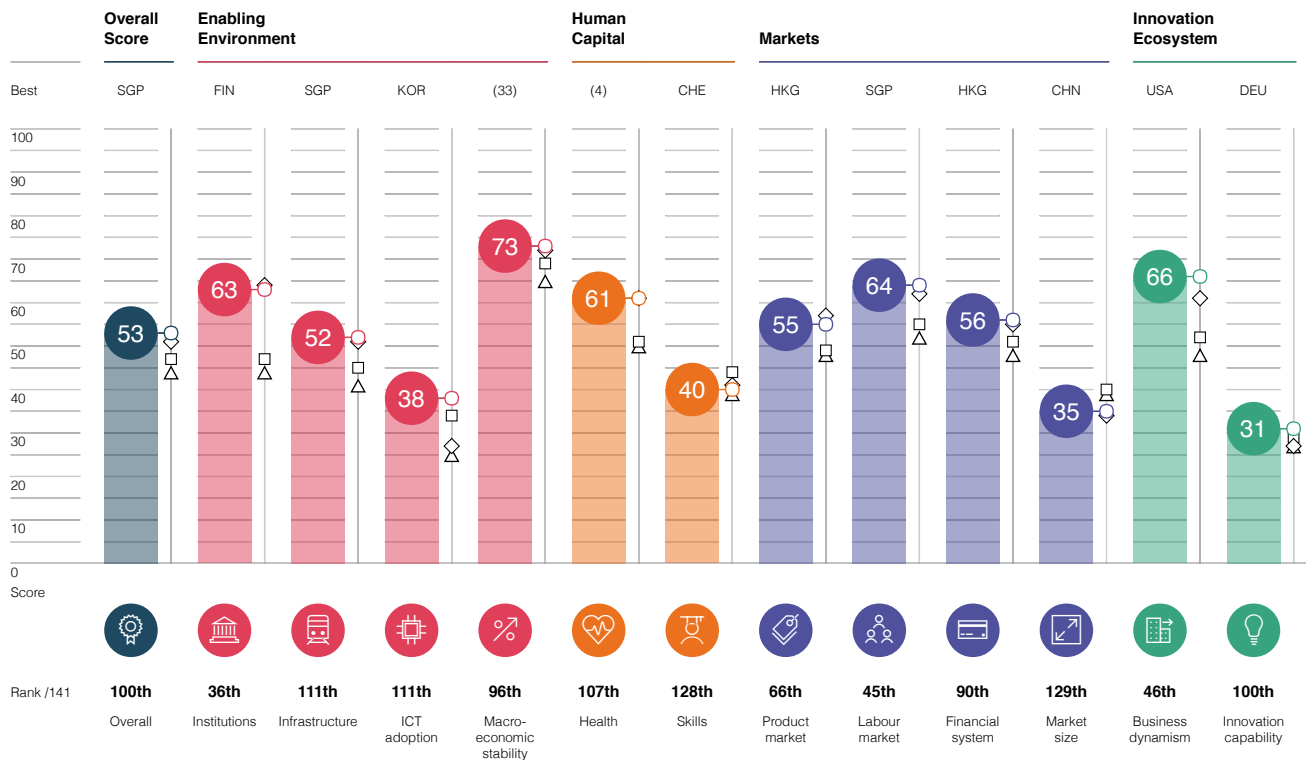


Global Competitiveness Index 4.0 2019 edition

Rank in 2018 edition: 108th/140

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





Selected contextual indicators

Population millions	12.0	GDP (PPP) % world GDP	0.02
GDP per capita US\$	791.3	5-year average FDI inward flow % GDP	4.5
10-year average annual GDP growth %	6.3		

Social and environmental performance

Environmental footprint gha/capita	1.0	Global Gender Gap Index 0-1 (gender parity)	0.8
Renewable energy consumption share %	86.7	Income Gini 0 (perfect equality) -100 (perfect inequality)	43.7
Unemployment rate %	1.0		

Index Component	Value	Score *	Rank/141	Best Performer
 1st pillar: Institutions 0–100	-	63.2 ↓	36	Finland
Security 0–100	-	84.6 ↓	35	Finland
1.01 Organized crime 1–7 (best)	5.1	68.4 ↓	47	Finland
1.02 Homicide rate per 100,000 pop.	2.5	93.2 ↑	75	Multiple (14)
1.03 Terrorism incidence 0 (very high) -100 (no incidence)	99.7	99.7 =	82	Multiple (25)
1.04 Reliability of police services 1–7 (best)	5.6	77.0 ↑	29	Finland
Social capital 0–100	-	45.8 ↓	108	New Zealand
1.05 Social capital 0–100 (best)	45.8	45.8 ↓	100	New Zealand
Checks and balances 0–100	-	46.6 ↓	86	Finland
1.06 Budget transparency 0–100 (best)	22	22.0	81	Multiple (2)
1.07 Judicial independence 1–7 (best)	4.7	62.3 ↓	37	Finland
1.08 Efficiency of legal framework in challenging regulations 1–7 (best)	4.3	54.6 ↓	29	Finland
1.09 Freedom of the press 0–100 (worst)	52.4	47.6 ↑	127	Norway
Public-sector performance 0–100	-	67.8 ↓	19	Singapore
1.10 Burden of government regulation 1–7 (best)	4.7	61.5 ↑	9	Singapore
1.11 Efficiency of legal framework in settling disputes 1–7 (best)	5.0	66.2 ↓	20	Singapore
1.12 E-Participation 0–1 (best)	0.76	75.8 =	58	Multiple (3)
Transparency 0–100	-	56.0 ↑	44	Denmark
1.13 Incidence of corruption 0–100 (best)	56.0	56.0 ↑	44	Denmark
Property rights 0–100	-	74.1 ↑	24	Finland
1.14 Property rights 1–7 (best)	5.0	66.1 ↑	43	Finland
1.15 Intellectual property protection 1–7 (best)	4.7	61.1 ↓	45	Finland
1.16 Quality of land administration 0–30 (best)	28.5	95.0 ↑	1	Multiple (5)
Corporate governance 0–100	-	71.5 ↑	27	New Zealand
1.17 Strength of auditing and accounting standards 1–7 (best)	4.7	61.5 ↑	68	Finland
1.18 Conflict of interest regulation 0–10 (best)	7.3	73.0 ↑	21	Kenya
1.19 Shareholder governance 0–10 (best)	8.0	80.0 ↑	7	Kazakhstan
Future orientation of government 0–100	-	59.3	48	Luxembourg
1.20 Government ensuring policy stability 1–7 (best)	5.4	72.9	12	Switzerland
1.21 Government's responsiveness to change 1–7 (best)	5.4	72.7	7	Singapore
1.22 Legal framework's adaptability to digital business models 1–7 (best)	4.7	61.9	18	United States
1.23 Government long-term vision 1–7 (best)	5.8	80.7	5	Singapore
1.24 Energy efficiency regulation 0–100 (best)	27.6	27.6	86	Italy
1.25 Renewable energy regulation 0–100 (best)	50.1	50.1	71	Germany
1.26 Environment-related treaties in force count (out of 29)	18	62.1	119	Multiple (6)
 2nd pillar: Infrastructure 0–100	-	52.0 ↑	111	Singapore
Transport infrastructure 0–100	-	49.1 ↑	71	Singapore
2.01 Road connectivity 0–100 (best)	46.6	46.6 ↑	128	Multiple (3)
2.02 Quality of road infrastructure 1–7 (best)	4.8	63.3 ↑	38	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	2,559.9	19.8 =	125	Multiple (8)
2.06 Efficiency of air transport services 1–7 (best)	5.0	66.8 ↑	51	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)	3.2	37.2 ↑	103	Singapore
Utility infrastructure 0–100	-	54.9 ↓	118	Iceland
2.09 Electricity access % of population	42.7	42.7 ↑	124	Multiple (67)
2.10 Electricity supply quality % of output	n/a	84.5 ↑	n/a	Multiple (10)
2.11 Exposure to unsafe drinking water % of population	61.6	39.2 ↓	112	Multiple (28)
2.12 Reliability of water supply 1–7 (best)	4.2	53.1 ↓	99	Iceland

Index Component	Value	Score *	Rank/141	Best Performer
 3rd pillar: ICT adoption 0–100	-	37.6 ↑	111	Korea, Rep.
3.01 Mobile-cellular telephone subscriptions per 100 pop.	78.9	65.7 ↑	124	Multiple (63)
3.02 Mobile-broadband subscriptions per 100 pop.	39.0	N/Appl.	114	United Arab Emirates
3.03 Fixed-broadband Internet subscriptions per 100 pop.	0.1	0.1 ↓	134	Switzerland
3.04 Fibre internet subscriptions per 100 pop.	0.0	N/Appl.	106	Korea, Rep.
3.05 Internet users % of adult population	21.8	21.8 ↑	123	Qatar
 4th pillar: Macroeconomic stability 0–100	-	72.7 ↑	96	Multiple (33)
4.01 Inflation %	3.1	100.0 ↑	1	Multiple (88)
4.02 Debt dynamics 0–100 (best)	45.3	45.3 ↓	112	Multiple (34)
 5th pillar: Health 0–100	-	61.4 ↑	107	Multiple (4)
5.01 Healthy life expectancy years	59.6	61.4 ↑	106	Multiple (4)
 6th pillar: Skills 0–100	-	40.1 ↓	128	Switzerland
Current workforce 0–100	-	37.9 ↓	125	Switzerland
6.01 Mean years of schooling years	4.0	26.7 ↓	129	Germany
Skills of current workforce 0–100	-	49.1 ↑	87	Switzerland
6.02 Extent of staff training 1–7 (best)	3.8	47.5 ↑	82	Switzerland
6.03 Quality of vocational training 1–7 (best)	4.0	50.4 ↓	77	Switzerland
6.04 Skillset of graduates 1–7 (best)	3.8	46.1 ↓	94	Switzerland
6.05 Digital skills among active population 1–7 (best)	4.0	49.4 ↑	84	Finland
6.06 Ease of finding skilled employees 1–7 (best)	4.1	52.1 ↓	75	United States
Future workforce 0–100	-	42.4 ↓	125	Denmark
6.07 School life expectancy years	11.2	62.0 ↓	101	Multiple (11)
Skills of future workforce 0–100	-	22.7 ↓	135	Denmark
6.08 Critical thinking in teaching 1–7 (best)	3.7	45.4 ↓	50	Finland
6.09 Pupil-to-teacher ratio in primary education ratio	57.9	0.0	138	Multiple (5)
 7th pillar: Product market 0–100	-	55.3 ↓	66	Hong Kong SAR
Domestic competition 0–100	-	56.6 ↓	48	Hong Kong SAR
7.01 Distortive effect of taxes and subsidies on competition 1–7 (best)	4.5	59.0 ↑	22	Singapore
7.02 Extent of market dominance 1–7 (best)	4.0	49.3 ↓	54	Switzerland
7.03 Competition in services 1–7 (best)	4.7	61.7 ↑	90	Hong Kong SAR
Trade openness 0–100	-	54.0 ↓	94	Singapore
7.04 Prevalence of non-tariff barriers 1–7 (best)	4.6	59.4 ↑	52	Singapore
7.05 Trade tariffs %	10.94	27.1 ↑	122	Hong Kong SAR
7.06 Complexity of tariffs 1–7 (best)	6.3	87.9 ↑	51	Hong Kong SAR
7.07 Border clearance efficiency 1–5 (best)	2.7	41.7 =	63	Germany
 8th pillar: Labour market 0–100	-	63.6 ↑	45	Singapore
Flexibility 0–100	-	63.2 ↑	34	Singapore
8.01 Redundancy costs weeks of salary	13.0	81.3 ↓	44	Multiple (8)
8.02 Hiring and firing practices 1–7 (best)	4.5	57.6 ↑	27	Hong Kong SAR
8.03 Cooperation in labour-employer relations 1–7 (best)	4.9	65.2 ↑	36	Singapore
8.04 Flexibility of wage determination 1–7 (best)	5.1	68.6 ↑	60	Estonia
8.05 Active labour market policies 1–7 (best)	3.5	41.7 ↓	67	Switzerland
8.06 Workers' rights 0–100 (best)	80.0	80.0 ↓	40	Multiple (2)
8.07 Ease of hiring foreign labour 1–7 (best)	4.5	58.2 ↑	38	Albania
8.08 Internal labour mobility 1–7 (best)	4.2	53.1 ↑	100	United States
Meritocracy and incentivization 0–100	-	64.0 ↑	64	Denmark
8.09 Reliance on professional management 1–7 (best)	4.8	64.1 ↑	36	Finland
8.10 Pay and productivity 1–7 (best)	3.9	48.9 ↓	73	Hong Kong SAR
8.11 Ratio of wage and salaried female workers to male workers %	0.54	42.8 ↑	92	Multiple (4)
8.12 Labour tax rate %	6.0	100.0 =	21	Multiple (24)

Index Component	Value	Score *	Rank/141	Best Performer
 9th pillar: Financial system 0–100	-	56.3 ↑	90	Hong Kong SAR
Depth 0–100	-	32.3 ↑	91	United States
9.01 Domestic credit to private sector % GDP	21.0	22.1 ↓	115	Multiple (30)
9.02 Financing of SMEs 1–7 (best)	4.1	52.2 ↓	48	Finland
9.03 Venture capital availability 1–7 (best)	3.7	44.4 ↑	41	United States
9.04 Market capitalization % GDP	21.0	21.0 ↓	77	Multiple (15)
9.05 Insurance premium volume to GDP	1.3	22.1 ↑	83	Multiple (17)
Stability 0–100	-	86.3 ↑	82	Finland
9.06 Soundness of banks 1–7 (best)	4.5	58.9 ↑	92	Finland
9.07 Non-performing loans % of gross total loans	7.2	86.4 ↓	88	Multiple (3)
9.08 Credit gap %	-0.5	100.0 =	1	Multiple (98)
9.09 Banks' regulatory capital ratio % of total risk-weighted assets	21.9	100.0 =	20	Multiple (74)
 10th pillar: Market size 0–100	-	35.1 ↑	129	China
10.01 Gross domestic product PPP \$ billions	24	N/Appl.	124	China
10.02 Imports of goods and services % GDP	37.0	N/Appl.	87	Hong Kong SAR
 11th pillar: Business dynamism 0–100	-	65.6 ↑	46	United States
Administrative requirements 0–100	-	75.9 ↑	52	United States
11.01 Cost of starting a business % of GNI per capita	14.8	92.6 ↑	98	Multiple (2)
11.02 Time to start a business days	4.0	96.5 =	14	New Zealand
11.03 Insolvency recovery rate cents to the dollar	19.2	20.7 ↑	116	Japan
11.04 Insolvency regulatory framework 0–16 (best)	15.0	93.8 ↑	1	Multiple (6)
Entrepreneurial culture 0–100	-	55.3 ↑	42	Israel
11.05 Attitudes towards entrepreneurial risk 1–7 (best)	4.4	57.0 ↑	35	Israel
11.06 Willingness to delegate authority 1–7 (best)	4.6	59.3 ↑	50	Denmark
11.07 Growth of innovative companies 1–7 (best)	4.3	55.5 ↑	47	Israel
11.08 Companies embracing disruptive ideas 1–7 (best)	4.0	49.3 ↑	44	Israel
 12th pillar: Innovation capability 0–100	-	30.9 ↑	100	Germany
Interaction and diversity 0–100	-	36.6 ↑	88	Singapore
12.01 Diversity of workforce 1–7 (best)	4.0	50.2 ↑	111	Singapore
12.02 State of cluster development 1–7 (best)	3.9	47.7 ↑	66	Italy
12.03 International co-inventions per million pop.	0.02	0.5 ↑	108	Multiple (5)
12.04 Multi-stakeholder collaboration 1–7 (best)	3.9	47.9 ↓	55	Israel
Research and development 0–100	-	23.4 ↑	80	Japan
12.05 Scientific publications score	70.0	63.1 ↑	119	Multiple (9)
12.06 Patent applications per million pop.	0.02	0.3 ↑	117	Multiple (8)
12.07 R&D expenditures % GDP	0.9	29.7 ↑	39	Multiple (7)
12.08 Research institutions prominence 0–100 (best)	0.00	0.4	105	Multiple (7)
Commercialization 0–100	-	34.8 ↑	122	Luxembourg
12.09 Buyer sophistication 1–7 (best)	3.2	36.0 ↑	102	Korea, Rep.
12.10 Trademark applications per million pop.	21.59	33.5 ↑	121	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/>