



IMD World Competitiveness Yearbook 2022

COUNTRY
PROFILE

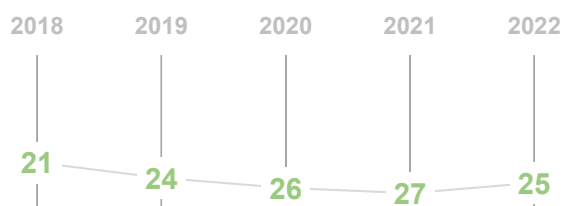
ISRAEL



Israel

Competitiveness Trends – Overall

OVERALL PERFORMANCE (63 countries)



CHALLENGES IN 2022

- Increase labor force participation, decreasing the unemployment rate.
- Increase the business sector productivity, especially in trade and services sectors.
- Decrease the public sector bureaucracy.
- Invest in peripheral infrastructure.
- Increase competition in the business sector.

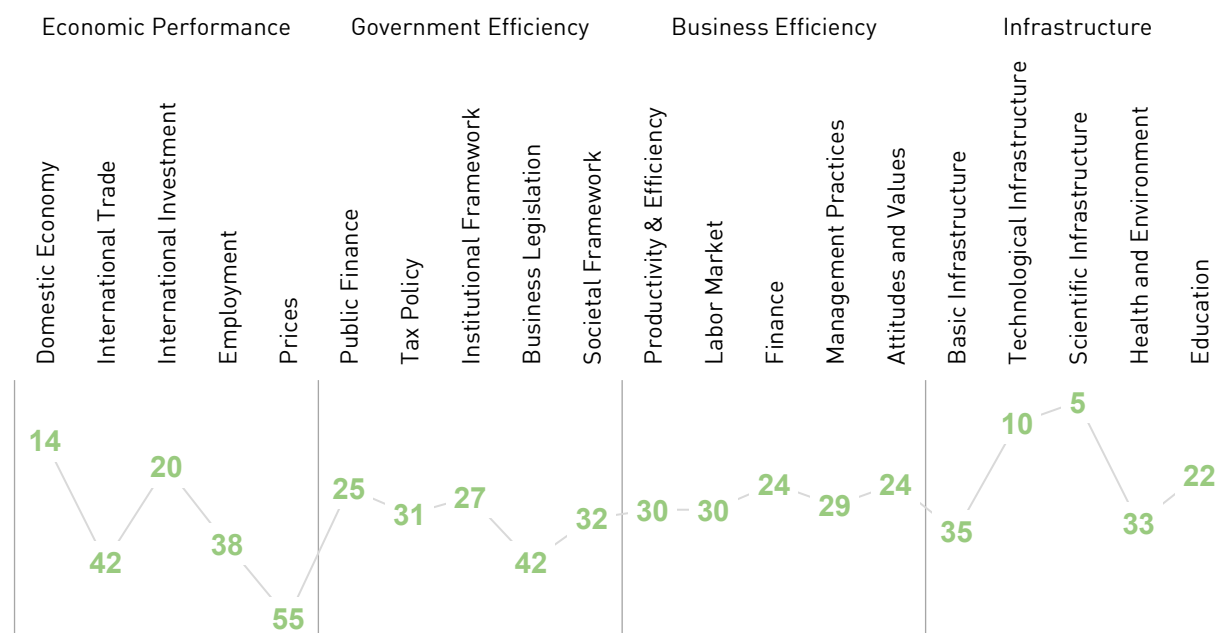
BASIC FACTS

Rank

Indicator	Value	Year	Rank
Capital	Jerusalem		
Land area (square km '000)	22	2021	
Exchange Rate (per \$)	3.230	2021	
Population - market size (millions)	9.45	2021	40
Gross Domestic Product (GDP) (US\$ billions)	481.6	2021	28
GDP (PPP) per capita (US\$)	45,351	2021	28
Real GDP growth (%)	8.6	2021	10
Consumer price inflation (%)	1.49	2021	10
Unemployment rate (%)	4.30	2021	17
Labor force (millions)	4.17	2021	41
Current account balance (% of GDP)	4.68	2021	18
Direct investment stocks inward (\$bn)	189.0	2020	32
Direct investment flows inward (% of GDP)	5.96	2020	09

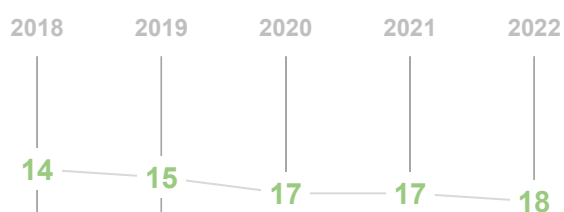
PROVIDED BY: The Federation of Israeli Chambers of Commerce, Tel-Aviv

COMPETITIVENESS LANDSCAPE

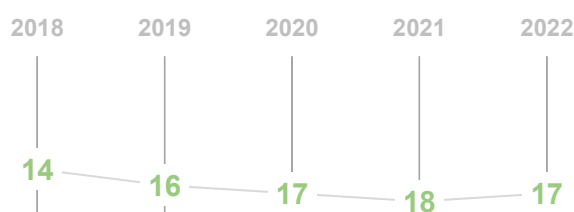


PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS < 20 MILLION (36 countries)



Israel

Competitiveness Evolution & Attractiveness Indicators

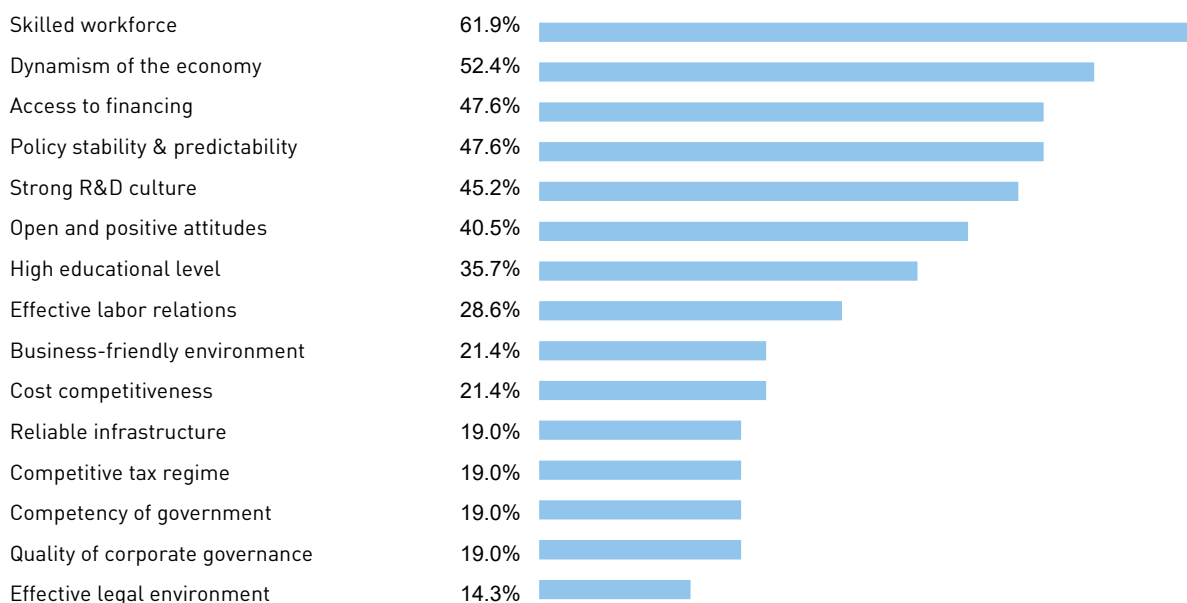
COMPETITIVENESS EVOLUTION

The criteria below highlight the 15 biggest Improvements and the 15 biggest Declines in the overall performance of the economy. They are determined by the largest percentage changes in the value of each criterion from one yearbook to the next.

IMPROVEMENTS	WCY 2021	WCY 2022	DECLINES	WCY 2021	WCY 2022
1.1.14 Real GDP growth	-2.4	8.6	2.4.07 Government subsidies	0.99	4.14
1.1.18 Gross fixed capital formation - real growth	-5.83	13.10	1.2.25 Tourism receipts	1.93	0.61
1.1.15 Real GDP growth per capita	-5.02	6.82	4.1.07 Population - growth	2.73	1.67
2.1.02 Government budget surplus/deficit (%)	-9.65	-3.92	2.5.13 Unemployment rate - gender ratio	0.80	1.02
2.4.11 Parallel economy	3.63	5.35	3.4.14 Total early-stage Entrepreneurial Activity	12.69	9.55
1.2.12 Exports of commercial services (\$bn)	53.66	73.77	3.4.11 Women in management	34.54	28.00
2.3.13 Bribery and corruption	3.76	5.07	2.3.08 Exchange rate stability	0.057	0.066
2.3.12 Bureaucracy	2.86	3.81	1.2.23 Trade to GDP ratio	56.32	48.88
2.1.07 Public finances	4.04	5.30	1.4.10 Youth exclusion	15.3	17.3
4.4.18 Renewable energies (%)	2.5	3.2	1.4.09 Youth unemployment	6.68	7.50
2.1.08 Tax evasion	4.55	5.67	1.5.06 Gasoline prices	1.61	1.80
2.4.09 State ownership of enterprises	5.18	6.38	1.4.04 Employment - long-term growth	-3.78	-4.23
2.3.11 Transparency	4.12	5.07	4.4.25 Sustainable development	6.44	5.72
4.2.15 High-tech exports (%)	23.09	28.20	3.5.02 Image abroad or branding	7.37	6.74
2.3.07 Foreign currency reserves per capita	18,646	22,536	4.2.17 Cyber security	7.92	7.26

KEY ATTRACTIVENESS INDICATORS

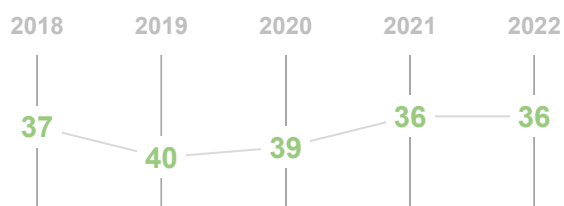
From a list of 15 indicators, respondents of the Executive Opinion Survey were asked to select 5 that they perceived as the key attractiveness factors of their economy. The chart shows the percentage of responses per indicator from the highest number of responses to the lowest.



Israel

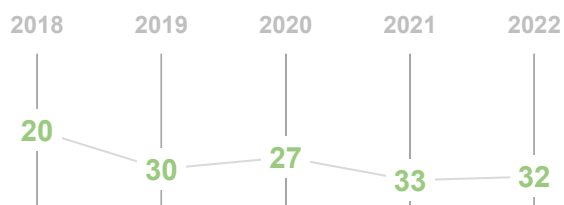
Competitiveness Trends – Factor Breakdown

ECONOMIC PERFORMANCE



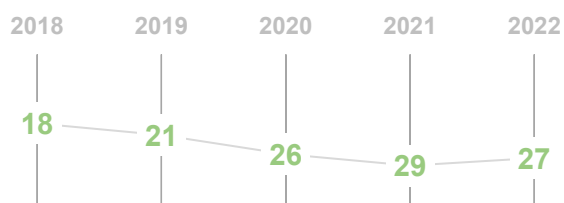
SUB-FACTOR RANKINGS :	2021	2022
Domestic Economy	21	14
International Trade	32	42
International Investment	26	20
Employment	35	38
Prices	53	55

GOVERNMENT EFFICIENCY



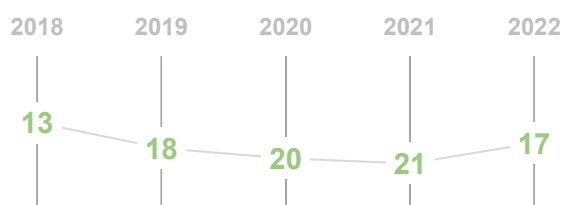
SUB-FACTOR RANKINGS :	2021	2022
Public Finance	38	25
Tax Policy	31	31
Institutional Framework	27	27
Business Legislation	36	42
Societal Framework	30	32

BUSINESS EFFICIENCY



SUB-FACTOR RANKINGS :	2021	2022
Productivity & Efficiency	25	30
Labor Market	39	30
Finance	33	24
Management Practices	28	29
Attitudes and Values	18	24

INFRASTRUCTURE



SUB-FACTOR RANKINGS :	2021	2022
Basic Infrastructure	40	35
Technological Infrastructure	15	10
Scientific Infrastructure	05	05
Health and Environment	33	33
Education	24	22

Israel

Balance Sheet – Factor Breakdown

ECONOMIC PERFORMANCE

STRENGTHS		Rank	WEAKNESSES		Rank
1.1.19	Resilience of the economy	05	1.2.09	Exports of goods (%)	61
1.4.09	Youth unemployment	07	1.5.06	Gasoline prices	56
1.3.06	Direct investment flows inward (% of GDP)	09	1.5.02	Cost-of-living index	53
1.1.14	Real GDP growth	10	1.4.02	Employment (%)	52
1.5.01	Consumer price inflation	10	1.4.04	Employment - long-term growth	51
1.3.13	Relocation threats of business	11	1.2.23	Trade to GDP ratio	51
1.1.18	Gross fixed capital formation - real growth	13	1.2.24	Terms of trade index	48
1.3.05	Direct investment flows inward (\$bn)	16	1.2.08	Exports of goods (\$bn)	46
1.1.20	GDP per capita	17	1.2.25	Tourism receipts	44
1.4.07	Unemployment rate	17	1.4.10	Youth exclusion	42

GOVERNMENT EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
2.3.07	Foreign currency reserves per capita	05	2.4.19	Redundancy costs	54
2.4.15	Start-up procedures	06	2.4.07	Government subsidies	52
2.2.09	Employer social security tax rate	14	2.3.08	Exchange rate stability	49
2.1.09	Pension funding	14	2.4.13	Creation of firms	48
2.3.05	Central bank policy	17	2.4.02	Protectionism	46
2.3.16	Democracy Index	20	2.4.08	Subsidies	46
2.4.05	Capital markets	22	2.5.06	Gini coefficient	45
2.3.10	Adaptability of government policy	23	2.5.09	Income distribution - lowest 40%	44
2.1.08	Tax evasion	24	2.5.11	Equal opportunity	44
2.3.04	Country credit rating	25	2.4.10	Competition legislation	40

BUSINESS EFFICIENCY

STRENGTHS		Rank	WEAKNESSES		Rank
3.4.09	Entrepreneurship	07	3.1.08	Large corporations	54
3.1.10	Use of digital tools and technologies	08	3.2.14	Labor force - long-term growth	53
3.4.07	Use of big data and analytics	08	3.2.12	Labor force (%)	53
3.2.24	Competent senior managers	09	3.4.08	Customer satisfaction	49
3.2.16	Female labor force	09	3.2.01	Compensation levels	46
3.3.05	Access to financial services - gender ratio	10	3.1.07	Workforce productivity	46
3.2.09	Apprenticeships	11	3.4.10	Social responsibility	43
3.4.04	Credibility of managers	15	3.3.07	Regulatory compliance (banking laws)	43
3.2.17	Foreign labor force - migrant stock	15	3.4.11	Women in management	41
3.5.06	Digital transformation in companies	17	3.4.05	Corporate boards	40

INFRASTRUCTURE

STRENGTHS		Rank	WEAKNESSES		Rank
4.3.05	Business expenditure on R&D (%)	01	4.4.19	Forest area growth	62
4.3.02	Total expenditure on R&D (%)	01	4.1.09	Dependency ratio	62
4.2.16	ICT service exports	02	4.2.01	Investment in Telecommunications	58
4.4.12	Energy intensity	05	4.4.18	Renewable energies (%)	53
4.1.07	Population - growth	05	4.4.24	Environmental agreements	48
4.5.01	Total public expenditure on education	06	4.4.17	Exposure to particle pollution	41
4.5.08	Women with degrees	06	4.2.04	Communications technology	41
4.5.06	Secondary school enrollment	06	4.4.25	Sustainable development	40
4.2.10	Qualified engineers	08	4.5.12	Students who are not low achievers - PISA	37
4.2.13	Funding for technological development	08	4.5.16	Management education	36

ISRAEL

Extended Country Profile

1 - Economic Performance

1.1 - Domestic Economy

	Value	Average	Rank	Year
1.1.00 - Exchange Rate National currency per US\$ (average)	3.230	21,532.090		2021
1.1.01 - Gross Domestic Product (GDP) US\$ billions	481.6	1,394.4	28	2021
1.1.02 - GDP (PPP) Estimates ; US\$ billions at purchasing power parity	428.5	1,981.9	40	2021
1.1.03 - World GDP contribution Percentage share of world GDP in market prices	0.50	1.44	28	2021
1.1.04 - Household consumption expenditure (\$bn) US\$ billions	236.7	735.2	30	2021
1.1.05 - Household consumption expenditure (%) Percentage of GDP	49.1	53.4	44	2021
1.1.06 - Government consumption expenditure (\$bn) US\$ billions	107.0	232.9	22	2021
1.1.07 - Government consumption expenditure (%) Percentage of GDP	22.2	18.3	13	2021
1.1.08 - Gross fixed capital formation (\$bn) US\$ billions	101.7	351.9	28	2021
1.1.09 - Gross fixed capital formation (%) Percentage of GDP	21.1	22.7	42	2021
1.1.10 - Gross domestic savings (\$bn) US\$ billions	137.9	379.1	29	2021
1.1.11 - Gross domestic savings (%) Percentage of GDP	28.6	28.3	28	2021
1.1.12 - Economic sectors Breakdown of the economic sectors, percentage of GDP				2021
Economic sectors / Agriculture	1.1	3.7		2021
Economic sectors / Industry	18.0	29.1		2021
Economic sectors / Services	80.9	67.0		2021
1.1.13 - Economic complexity index Measures knowledge intensity, by considering exports	1.23	0.86	20	2019
1.1.14 - Real GDP growth Percentage change, based on national currency in constant prices	8.6	5.6	10	2021
1.1.15 - Real GDP growth per capita Percentage change, based on national currency in constant prices	6.82	5.35	19	2021
1.1.16 - Household consumption expenditure - real growth Percentage change, based on constant prices	12.05	4.78	5	2021
1.1.17 - Government consumption expenditure - real growth Percentage change, based on constant prices	2.37	4.01	42	2021
1.1.18 - Gross fixed capital formation - real growth Percentage change, based on constant prices	13.10	6.32	13	2021
1.1.19 - Resilience of the economy Resilience of the economy to economic cycles is strong	7.67	5.88	5	2022
1.1.20 - GDP per capita US\$ per capita	50,967	34,279	17	2021
1.1.21 - GDP (PPP) per capita Estimates; US\$ per capita at purchasing power parity	45,351	44,580	28	2021
1.1.22 - Forecast: Real GDP growth Percentage change, based on national currency in constant prices	5.0	3.7	12	2022
1.1.23 - Forecast: Inflation Percentage change	3.5	38.4	20	2022
1.1.24 - Forecast: Unemployment Percentage of total labor force	3.9	6.3	18	2022
1.1.25 - Forecast: Current account balance Percentage of GDP	3.2	1.7	17	2022

1.2 · International Trade

Value Average Rank Year

1.2.01 · Current account balance (\$bn) US\$ billions (minus sign = deficit)	22.5	10.4	20	2021
1.2.02 · Current account balance Percentage of GDP	4.68	1.64	18	2021
1.2.03 · Balance of trade (\$bn) US\$ billions (minus sign = deficit)	-30.7	-2.5	55	2021
1.2.04 · Balance of trade (%) Percentage of GDP	-6.38	0.27	48	2021
1.2.05 · Balance of commercial services (\$bn) US\$ billions (minus sign = deficit)	41.07	8.39	6	2021
1.2.06 · Balance of commercial services (%) Percentage of GDP	8.53	1.84	5	2021
1.2.07 · World exports contribution Percentage share of world exports (goods and commercial services)	0.47	1.45	36	2021
1.2.08 · Exports of goods (\$bn) US\$ billions	59.43	321.20	46	2021
1.2.09 · Exports of goods (%) Percentage of GDP	12.34	41.98	61	2021
1.2.10 · Exports of goods per capita US\$ per capita	6,289	15,049	38	2021
1.2.11 · Exports of goods - growth Percentage change, based on US\$ values	18.50	27.30	51	2021
1.2.12 · Exports of commercial services (\$bn) US\$ billions	73.77	88.34	22	2021
1.2.13 · Exports of commercial services (%) Percentage of GDP	15.32	15.10	17	2021
1.2.14 · Exports of commercial services - growth Percentage change, based on US\$ values	33.72	17.14	10	2021
1.2.15 · Exports of goods & commercial services US\$ billions	133.20	408.43	36	2021
1.2.16 · Exports breakdown by economic sector Percentage of total exports				2020
Exports breakdown by economic sector / Agriculture	2.1	11.3		2020
Exports breakdown by economic sector / Industry	45.5	64.4		2020
Exports breakdown by economic sector / Services	52.4	24.3		2020
1.2.17 · Export concentration by partner Exports to top 5 countries, percentage of total exports	55.6	55.0	41	2020
1.2.18 · Export concentration by product Top 5 products, percentage of total exports	53.6	57.6	33	2020
1.2.19 · Imports of goods & commercial services (\$bn) US\$ billions	122.9	402.5	25	2021
1.2.20 · Imports of goods & commercial services (%) Percentage of GDP	25.5	54.7	14	2021
1.2.21 · Imports of goods & commerc. services growth Percentage change, based on US\$ values	31.19	24.33	47	2021
1.2.22 · Imports breakdown by economic sector Percentage of total imports				2020
Imports breakdown by economic sector / Agriculture	8.1	9.0		2020
Imports breakdown by economic sector / Industry	65.8	67.7		2020
Imports breakdown by economic sector / Services	26.1	23.3		2020
1.2.23 · Trade to GDP ratio (Exports + Imports) / GDP	48.88	102.61	51	2020
1.2.24 · Terms of trade index Unit value of exports over unit value of imports	95.5	99.4	48	2020
1.2.25 · Tourism receipts International tourism receipts as a percentage of GDP	0.61	1.54	44	2020

1.3 · International Investment

Value Average Rank Year

1.3.01 · Direct investment flows abroad (\$bn) US\$ billions	6.37	14.96	21	2020
1.3.02 · Direct investment flows abroad (% of GDP) Percentage of GDP	1.57	4.62	21	2020
1.3.03 · Direct investment stocks abroad (\$bn) US\$ billions	117.1	612.1	35	2020
1.3.04 · Direct investment stocks abroad (% of GDP) Percentage of GDP	28.76	109.57	34	2020
1.3.05 · Direct investment flows inward (\$bn) US\$ billions	24.28	16.61	16	2020
1.3.06 · Direct investment flows inward (% of GDP) Percentage of GDP	5.96	4.86	9	2020
1.3.07 · Direct investment stocks inward (\$bn) US\$ billions	189.0	613.9	32	2020
1.3.08 · Direct investment stocks inward (% of GDP) Percentage of GDP	46.41	122.21	34	2020
1.3.09 · Balance of direct investment flows (\$bn) US\$ billions (flows abroad minus flows inward)	-17.91	-1.64	54	2020
1.3.10 · Balance of direct investment flows (%) Percentage of GDP (flows abroad minus flows inward)	-4.40	-0.24	56	2020
1.3.11 · Net position in direct investment stocks (\$bn) US\$ billions (stocks abroad minus stocks inward)	-71.9	-1.8	42	2020
1.3.12 · Net position in direct investment stocks (%) Percentage of GDP (stocks abroad minus stocks inward)	-17.65	-12.64	35	2020
1.3.13 · Relocation threats of business Relocation of business is not a threat to the future of your economy	6.19	5.36	11	2022
1.3.14 · Portfolio investment assets US\$ billions	16.17	38.51	27	2020
1.3.15 · Portfolio investment liabilities US\$ billions	18.93	34.92	15	2020

1.4 · Employment

Value Average Rank Year

1.4.01 · Employment Total employment in millions	3.96	38.16	40	2021
1.4.02 · Employment (%) Percentage of population	41.88	47.14	52	2021
1.4.03 · Employment - growth Estimates: percentage change	1.12	1.54	31	2021
1.4.04 · Employment - long-term growth Estimates: five year percentage change	-4.23	-0.41	51	2021
1.4.05 · Employment by sector Percentage of total employment				2021
Employment by sector / Agriculture	0.8	7.7		2021
Employment by sector / Industry	15.8	23.5		2021
Employment by sector / Services	83.4	68.8		2021
1.4.06 · Employment in the public sector Percentage of total employment	35.00	17.83	59	2020
1.4.07 · Unemployment rate Percentage of labor force	4.30	8.00	17	2021
1.4.08 · Long-term unemployment Percentage of labor force	1.00	2.81	17	2020
1.4.09 · Youth unemployment Percentage of youth labor force (under the age of 25)	7.50	17.13	7	2021
1.4.10 · Youth exclusion Share of youth population (15-24) not in education, employment or training	17.3	14.6	42	2020

1.5 · Prices

Value Average Rank Year

1.5.01 · Consumer price inflation	1.49	29.25	10	2021
Average annual rate				
1.5.02 · Cost-of-living index	99.50	78.37	53	2021
Index of a basket of goods & services in the main city, including housing (New York City = 100)				
1.5.03 · Apartment rent	1,969	1,530	44	2018
3-room apartment monthly rent in major cities, US\$				
1.5.04 · Office rent	618	656	38	2021
Total occupation cost in the main city (US\$/Sq.M. per year)				
1.5.05 · Food costs	15.60	17.58	27	2021
Percentage of household final consumption expenditures				
1.5.06 · Gasoline prices	1.80	1.26	56	2021
Premium unleaded gasoline (95 Ron) US\$ per litre				

ISRAEL

Extended Country Profile

2 · Government Efficiency

2.1 · Public Finance

	Value	Average	Rank	Year
2.1.01 · Government budget surplus/deficit (\$bn) US\$ billions	-18.89	-91.93	35	2021
2.1.02 · Government budget surplus/deficit (%) Percentage of GDP	-3.92	-4.00	29	2021
2.1.03 · Total general government debt (\$bn) US\$ billions	331.96	1,436.31	38	2021
2.1.04 · Total general government debt (%) Percentage of GDP	68.93	71.59	36	2021
2.1.05 · Total general government debt-real growth Percentage change, based on national currency in constant prices	5.19	8.58	33	2021
2.1.06 · Interest payment (%) Percentage of current revenue	7.73	5.98	46	2021
2.1.07 · Public finances Public finances are being efficiently managed	5.30	4.92	29	2022
2.1.08 · Tax evasion Tax evasion is not a threat to your economy	5.67	5.05	24	2022
2.1.09 · Pension funding Pension funding is adequately addressed for the future	5.72	4.77	14	2022
2.1.10 · General government expenditure Percentage of GDP	40.2	38.2	32	2021

2.2 · Tax Policy

	Value	Average	Rank	Year
2.2.01 · Collected total tax revenues Percentage of GDP	29.73	27.09	32	2020
2.2.02 · Collected personal income tax On profits, income and capital gains, as a percentage of GDP	6.58	6.00	39	2020
2.2.03 · Collected corporate taxes On profits, income and capital gains, as a percentage of GDP	2.77	2.70	36	2020
2.2.04 · Collected indirect tax revenues Taxes on goods and services as a percentage of GDP	10.61	9.41	36	2020
2.2.05 · Collected capital and property taxes Percentage of GDP	2.94	1.47	53	2020
2.2.06 · Collected social security contribution Compulsory contribution of employees and employers as a percentage of GDP	5.05	7.28	25	2020
2.2.07 · Corporate tax rate on profit Maximum tax rate, calculated on profit before tax	23.00	22.34	34	2021
2.2.08 · Consumption tax rate Standard rate of VAT/GST	17.00	16.37	27	2021
2.2.09 · Employer social security tax rate %	7.6	16.0	14	2021
2.2.10 · Employee social security tax rate %	12.0	10.4	38	2021
2.2.11 · Real personal taxes Real personal taxes do not discourage people from working or seeking advancement	4.93	5.12	36	2022

2.3 · Institutional Framework

Value Average Rank Year

2.3.01 · Real short-term interest rate Real discount / bank rate	-1.37	-3.07	40	2021
2.3.02 · Cost of capital Cost of capital encourages business development	5.95	5.63	30	2022
2.3.03 · Interest rate spread Lending rate minus deposit rate	2.81	3.49	32	2020
2.3.04 · Country credit rating Index (0-60) of three country credit ratings: Fitch, Moody's and S&P	49.0	43.0	25	2021
2.3.05 · Central bank policy Central bank policy has a positive impact on the economy	7.16	6.31	17	2022
2.3.06 · Foreign currency reserves US\$ billions	212.94	216.77	16	2021
2.3.07 · Foreign currency reserves per capita US\$ per capita	22,536	9,199	5	2021
2.3.08 · Exchange rate stability Parity change from national currency to SDR, 2021 / 2019	0.066	0.072	49	2021
2.3.09 · Legal and regulatory framework The legal and regulatory framework encourages the competitiveness of enterprises	5.40	5.37	35	2022
2.3.10 · Adaptability of government policy Adaptability of government policy to changes in the economy is high	5.49	4.83	23	2022
2.3.11 · Transparency Transparency of government policy is satisfactory	5.07	4.87	28	2022
2.3.12 · Bureaucracy Bureaucracy does not hinder business activity	3.81	3.72	28	2022
2.3.13 · Bribery and corruption Bribery and corruption do not exist	5.07	4.77	27	2022
2.3.14 · Rule of law Rule of Law Index	82.21	72.47	30	2020
2.3.15 · Sustainable Development Goals Country performance on the 17 SDGs	75.0	75.1	34	2021
2.3.16 · Democracy Index EIU Overall Democracy Index, © The Economist Intelligence Unit Limited 2021	7.97	6.97	20	2021

2.4 · Business Legislation

Value Average Rank Year

2.4.01 · Tariff barriers	1.85	2.32	42	2017
Tariffs on imports: Applied weighted mean tariff rate for all products				
2.4.02 · Protectionism	4.98	5.74	46	2022
Protectionism of your government does not impair the conduct of your business				
2.4.03 · Public sector contracts	5.91	5.96	35	2022
Public sector contracts are sufficiently open to foreign bidders				
2.4.04 · Foreign investors	7.26	6.82	27	2022
Foreign investors are free to acquire control in domestic companies				
2.4.05 · Capital markets	7.40	6.57	22	2022
Capital markets (foreign and domestic) are easily accessible				
2.4.06 · Investment incentives	5.86	5.93	38	2022
Investment incentives are attractive to foreign investors				
2.4.07 · Government subsidies	4.14	2.02	52	2020
To private and public companies as a percentage of GDP				
2.4.08 · Subsidies	5.02	5.52	46	2022
Subsidies do not distort fair competition and economic development				
2.4.09 · State ownership of enterprises	6.38	6.04	27	2022
State ownership of enterprises is not a threat to business activities				
2.4.10 · Competition legislation	5.49	5.84	40	2022
Competition legislation is efficient in preventing unfair competition				
2.4.11 · Parallel economy	5.35	5.14	27	2022
Parallel (black-market, unrecorded) economy does not impair economic development				
2.4.12 · New business density	3.2	5.8	33	2019
Registered new businesses per 1'000 people aged 15-64				
2.4.13 · Creation of firms	6.05	6.63	48	2022
Creation of firms is supported by legislation				
2.4.14 · Start-up days	11.0	15.1	37	2019
Number of days to start a business				
2.4.15 · Start-up procedures	3.0	6.0	6	2019
Number of procedures to start a business				
2.4.16 · Labor regulations	6.00	5.50	27	2022
Labor regulations (hiring/firing practices, minimum wages, etc.) do not hinder business activities				
2.4.17 · Unemployment legislation	5.00	4.99	33	2022
Unemployment legislation provides an incentive to look for work				
2.4.18 · Immigration laws	5.56	5.83	37	2022
Immigration laws do not prevent your company from employing foreign labor				
2.4.19 · Redundancy costs	23.1	9.4	54	2019
Number of weeks of salary				

2.5 · Societal Framework

Value Average Rank Year

2.5.01 · Justice Justice is fairly administered	6.00	5.72	32	2022
2.5.02 · Homicide Intentional homicide, rate per 100'000 population	1.47	4.28	38	2019
2.5.03 · Ageing of population Population over 65, percentage of total population	12.3	14.8	21	2021
2.5.04 · Risk of political instability The risk of political instability is very low	5.19	5.80	40	2022
2.5.05 · Social cohesion Social cohesion is high	5.40	5.68	38	2022
2.5.06 · Gini coefficient Equal distribution of income scale: 0 (absolute equality) to 100 (absolute inequality)	38.60	35.03	45	2018
2.5.07 · Income distribution - lowest 10% Percentage of household incomes going to lowest 10% of households	1.90	2.75		2016
2.5.08 · Income distribution - highest 10% Percentage of household incomes going to highest 10% of households	27.80	26.98		2016
2.5.09 · Income distribution - lowest 40% Percentile going to the lowest 40% of households	15.70	18.99	44	2016
2.5.10 · Income distribution - lowest 40% growth Percentile going to the lowest 40% of households - growth	-	0.34		
2.5.11 · Equal opportunity Equal opportunity legislation in your economy encourages economic development	5.86	6.17	44	2022
2.5.12 · Females in parliament Percentage of total seats in Parliament	28.33	29.11	30	2021
2.5.13 · Unemployment rate - gender ratio Ratio of the female and male unemployment rates	1.02	1.25	27	2021
2.5.14 · Gender inequality Gender Inequality Index (UNDP)	0.109	0.183	28	2019
2.5.15 · Disposable Income Female / male ratio	72.3	72.2	38	2021
2.5.16 · Freedom of the Press Reporters Without Borders: World Press Freedom Score	27.78	27.85	35	2021

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Extended Country Profile

3 · Business Efficiency

3.1 · Productivity & Efficiency

	Value	Average	Rank	Year
3.1.01 · Overall productivity (PPP) Estimates: GDP (PPP) per person employed, US\$	92,206	84,576	28	2021
3.1.02 · Overall productivity (PPP) - real growth Estimates: Percentage change of GDP (PPP) per person employed	3.25	2.84	29	2021
3.1.03 · Labor productivity (PPP) Estimates: GDP (PPP) per person employed per hour, US\$	50.33	48.28	26	2021
3.1.04 · Agricultural productivity (PPP) Estimates: Related GDP (PPP) per person employed in agriculture, US\$	147,304	55,834	2	2021
3.1.05 · Productivity in industry (PPP) Estimates: Related GDP (PPP) per person employed in industry, US\$	123,612	107,180	22	2021
3.1.06 · Productivity in services (PPP) Estimates: Related GDP (PPP) per person employed in services, US\$	105,021	86,235	16	2021
3.1.07 · Workforce productivity Workforce productivity is competitive by international standards	5.44	6.15	46	2022
3.1.08 · Large corporations Large corporations are efficient by international standards	5.72	6.67	54	2022
3.1.09 · Small and medium-size enterprises Small and medium-size enterprises are efficient by international standards	6.67	6.12	23	2022
3.1.10 · Use of digital tools and technologies Companies are very good at using digital tools and technologies to improve performance	7.57	6.29	8	2022

3.2 · Labor Market

Value Average Rank Year

3.2.01 · Compensation levels	23.68	15.09	46	2021
Total hourly compensation in manufacturing (wages + supplementary benefits), US\$				
3.2.02 · Unit labor costs for total economy	1.90	1.59	32	2021
Percentage change				
3.2.03 · Remuneration in services professions	35,783	28,619	39	2018
Gross annual income including supplements such as bonuses, US\$				
Remuneration in services professions / Call center agent	21,164	19,099		2018
Remuneration in services professions / Nurse	46,501	30,277		2018
Remuneration in services professions / Primary school	31,001	30,970		2018
Remuneration in services professions / Product Manager	72,985	49,302		2018
Remuneration in services professions / Sales Assistant	16,848	19,165		2018
Remuneration in services professions / Secretary / Personal	26,202	22,903		2018
3.2.04 · Remuneration of management	181,516	169,169	38	2019
Total base salary plus bonuses and long-term incentives, US\$				
Remuneration of management / CEO	299,486	306,535		2019
Remuneration of management / Director manufacturing	175,219	149,356		2019
Remuneration of management / Engineer	110,420	80,327		2019
Remuneration of management / Human resources director	140,940	140,455		2019
3.2.05 · Remuneration spread	11.23	17.99	19	2018
Ratio of CEO to personal assistant remuneration				
3.2.06 · Working hours	1,832	1,843	29	2021
Average number of working hours per year				
3.2.07 · Worker motivation	6.42	5.87	19	2022
Worker motivation in companies is high				
3.2.08 · Industrial disputes	23.65	12.21	41	2020
Working days lost per 1,000 inhabitants per year (average 2018-2020)				
3.2.09 · Apprenticeships	6.05	5.20	11	2022
Apprenticeships are sufficiently implemented				
3.2.10 · Employee training	6.05	6.03	36	2022
Employee training is a high priority in companies				
3.2.11 · Labor force	4.17	40.47	41	2021
Employed and registered unemployed (millions)				
3.2.12 · Labor force (%)	44.08	50.09	53	2021
Percentage of population				
3.2.13 · Labor force growth	1.83	1.18	20	2021
Percentage change				
3.2.14 · Labor force - long-term growth	-4.07	-0.67	53	2021
Estimates: five year percentage change				
3.2.15 · Part-time employment	14.33	15.19	28	2020
Percentage of total employment				
3.2.16 · Female labor force	48.33	42.68	9	2021
Percentage of total labor force				
3.2.17 · Foreign labor force - migrant stock	24.82	17.76	15	2020
Migrant stock, age 20-64, % of population				
3.2.18 · Skilled labor	6.05	5.21	20	2022
Skilled labor is readily available				
3.2.19 · Finance skills	6.47	6.07	26	2022
Finance skills are readily available				
3.2.20 · Attracting and retaining talents	6.88	6.82	31	2022
Attracting and retaining talents is a priority in companies				
3.2.21 · Brain drain	4.56	4.93	36	2022
Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy				
3.2.22 · Foreign highly-skilled personnel	5.77	5.39	27	2022
Foreign highly-skilled personnel are attracted to your country's business environment				
3.2.23 · International experience	5.81	5.62	24	2022
International experience of senior managers is generally significant				
3.2.24 · Competent senior managers	6.79	5.45	9	2022
Competent senior managers are readily available				

3.3 · Finance

Value Average Rank Year

3.3.01 · Banking sector assets Percentage of GDP	132.90	157.54	29	2020
3.3.02 · Financial cards in circulation Number of cards per capita	1.50	3.45	49	2021
3.3.03 · Financial card transactions US\$ per capita	16,266	11,334	19	2021
3.3.04 · Access to financial services Proportion of adults with a bank account or mobile-money-service provider	92.81	82.66	29	2017
3.3.05 · Access to financial services - gender ratio Ratio of the female and male access to a bank account or mobile-money-service provider	1.02	0.96	10	2017
3.3.06 · Banking and financial services Banking and financial services do support business activities efficiently	6.23	6.24	32	2022
3.3.07 · Regulatory compliance (banking laws) Regulatory compliance is sufficiently developed	6.51	6.92	43	2022
3.3.08 · Stock markets Stock markets provide adequate financing to companies	6.79	5.83	18	2022
3.3.09 · Stock market capitalization (\$bn) US\$ billions	348.2	1,470.4	31	2021
3.3.10 · Stock market capitalization (%) Percentage of GDP	72.29	105.47	28	2021
3.3.11 · Value traded on stock markets US\$ per capita	11,259	23,478	20	2020
3.3.12 · Listed domestic companies Number of listed domestic companies	426	718	20	2020
3.3.13 · Stock market index Percentage change on index in national currency	24.30	26.39	31	2021
3.3.14 · Shareholders' rights Shareholders' rights are sufficiently implemented	7.30	6.91	26	2022
3.3.15 · Initial Public Offerings By acquiror nation (average 2019-2021) US\$ millions	1,984.0	4,258.5	19	2021
3.3.16 · Credit Credit is easily available for business	6.10	6.05	37	2022
3.3.17 · Venture capital Venture capital is easily available for business	6.00	5.34	22	2022
3.3.18 · M&A Activity Deals per listed company (average 2018-2020)	0.261	1.193	47	2020
3.3.19 · Corporate debt Corporate debt does not restrain the ability of enterprises to compete	5.91	5.83	29	2022

3.4 · Management Practices	Value	Average	Rank	Year
3.4.01 · Agility of companies Companies are agile	6.33	6.08	24	2022
3.4.02 · Changing market conditions Companies are generally extremely aware of changing market conditions	6.56	6.69	39	2022
3.4.03 · Opportunities and threats Companies are very good at responding quickly to opportunities and threats	6.62	6.29	24	2022
3.4.04 · Credibility of managers Credibility of managers in society is strong	6.76	6.15	15	2022
3.4.05 · Corporate boards Corporate boards do supervise the management of companies effectively	5.95	6.17	40	2022
3.4.06 · Auditing and accounting practices Auditing and accounting practices are adequately implemented in business	7.21	7.25	35	2022
3.4.07 · Use of big data and analytics Companies are very good at using big data and analytics to support decision-making	6.42	5.33	8	2022
3.4.08 · Customer satisfaction Customer satisfaction is emphasized in companies	6.42	6.95	49	2022
3.4.09 · Entrepreneurship Entrepreneurship of managers is widespread in business	6.93	6.07	7	2022
3.4.10 · Social responsibility Social responsibility of business leaders is high	5.49	6.16	43	2022
3.4.11 · Women in management Female share of senior and middle management (% of management)	28.00	31.46	41	2020
3.4.12 · Women on boards Boardmembers of all companies analyzed by MSCI	26.70	24.22	27	2021
3.4.13 · Entrepreneurial fear of failure % indicating that fear of failure would prevent them from setting up a business	46.59	42.81	31	2021
3.4.14 · Total early-stage Entrepreneurial Activity % who are either a nascent entrepreneur or owner-manager of a new business	9.55	12.11	30	2021

3.5 · Attitudes and Values	Value	Average	Rank	Year
3.5.01 · Attitudes toward globalization Attitudes toward globalization are generally positive in your society	7.02	6.47	20	2022
3.5.02 · Image abroad or branding The image abroad of your country encourages business development	6.74	6.44	33	2022
3.5.03 · National culture The national culture is open to foreign ideas	7.00	6.82	29	2022
3.5.04 · Flexibility and adaptability Flexibility and adaptability of people are high when faced with new challenges	7.12	6.63	21	2022
3.5.05 · Need for economic and social reforms The need for economic and social reforms is generally well understood	6.23	5.88	26	2022
3.5.06 · Digital transformation in companies Digital transformation in companies is generally well implemented	6.67	5.95	17	2022
3.5.07 · Value system The value system in your society supports competitiveness	6.79	6.23	22	2022

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Extended Country Profile

4 · Infrastructure

4.1 · Basic Infrastructure

	Value	Average	Rank	Year
4.1.01 · Land area Square kilometers ('000)	22	1,207	56	2021
4.1.02 · Arable area Square meters per capita	529	2,704	53	2019
4.1.03 · Water resources Total internal renewable per capita in cubic meters	89	18,375	58	2018
4.1.04 · Access to water Access to water is adequately ensured and managed	8.23	7.90	35	2022
4.1.05 · Management of cities Management of cities supports business development	7.07	6.61	27	2022
4.1.06 · Population - market size Estimates in millions	9.45	81.51	40	2021
4.1.07 · Population - growth Percentage change	1.67	0.30	5	2021
4.1.08 · Dependent Population Percentage of total population	40.2	33.6		2021
Population over 65 years	12.3	14.8		2021
Population under 15 years	27.9	18.7		2021
4.1.09 · Dependency ratio Population under 15 and over 64 years old, divided by active population (15 to 64 years)	67.1	51.2	62	2021
4.1.10 · Roads Density of the network, km roads/square km land area	1.09	1.39	28	2019
4.1.11 · Railroads Density of the network, km per square km	0.073	0.049	11	2020
4.1.12 · Air transportation Number of passengers carried by main companies, thousands	1,249	27,297	50	2020
4.1.13 · Quality of air transportation Quality of air transportation encourages business development	7.49	7.07	29	2022
4.1.14 · Distribution infrastructure The distribution infrastructure of goods and services is generally efficient	7.57	7.12	27	2022
4.1.15 · Energy infrastructure Energy infrastructure is adequate and efficient	7.81	6.81	21	2022
4.1.16 · Total indigenous energy production Millions MTOE	8.04	169.14	47	2019
4.1.17 · Total indigenous energy production (%) Percentage of total requirements in tons of oil equivalent	37.1	106.4	44	2019
4.1.18 · Total final energy consumption Millions MTOE	15.82	122.04	19	2019
4.1.19 · Total final energy consumption per capita MTOE per capita	1.75	2.46	23	2019
4.1.20 · Electricity costs for industrial clients US\$ per kwh	0.094	0.107	24	2017

4.2 · Technological Infrastructure

Value Average Rank Year

4.2.01 · Investment in Telecommunications Percentage of GDP	0.19	0.42	58	2021
4.2.02 · Mobile Broadband subscribers 4G & 5G market, % of mobile market	83.3	71.5	22	2020
4.2.03 · Mobile Telephone costs Monthly Blended Average Revenue per User	11.5	15.7	26	2020
4.2.04 · Communications technology Communications technology (voice and data) meets business requirements	7.58	7.67	41	2022
4.2.05 · Secure internet servers publicly-trusted TLS/SSL certificates, Netcraft Secure Server Survey.	12,349	36,109	39	2020
4.2.06 · Internet users Number of internet users per 1000 people	849	839	37	2021
4.2.07 · Broadband subscribers Number of subscriptions per 1000 inhabitants	413	381	29	2020
4.2.08 · Internet bandwidth speed Average speed	95.9	93.5	31	2021
4.2.09 · Digital/Technological skills Digital/Technological skills are readily available	7.49	6.79	19	2022
4.2.10 · Qualified engineers Qualified engineers are available in your labor market	7.58	6.35	8	2022
4.2.11 · Public-private partnerships Public and private sector ventures are supporting technological development	7.16	6.08	8	2022
4.2.12 · Development & application of tech. Development and application of technology are supported by the legal environment	7.44	6.46	13	2022
4.2.13 · Funding for technological development Funding for technological development is readily available	7.49	5.98	8	2022
4.2.14 · High-tech exports (\$) US\$ millions	12,961	47,160	28	2020
4.2.15 · High-tech exports (%) Percentage of manufactured exports	28.20	18.12	9	2020
4.2.16 · ICT service exports Percentage of service exports	45.6	9.7	2	2018
4.2.17 · Cyber security Cyber security is being adequately addressed by corporations	7.26	5.89	8	2022

4.3 · Scientific Infrastructure

Value Average Rank Year

4.3.01 · Total expenditure on R&D (\$) US\$ millions	22,128	31,953	13	2020
4.3.02 · Total expenditure on R&D (%) Percentage of GDP	5.44	1.63	1	2020
4.3.03 · Total expenditure on R&D per capita (\$) US\$ per capita	2,380.9	647.1	2	2020
4.3.04 · Business expenditure on R&D (\$) US\$ millions	19,980	24,238	9	2020
4.3.05 · Business expenditure on R&D (%) Percentage of GDP	4.91	1.11	1	2020
4.3.06 · Total R&D personnel Full-time work equivalent (FTE thousands)	-	233.3		
4.3.07 · Total R&D personnel per capita Full-time work equivalent (FTE) per 1000 people	-	5.37		
4.3.08 · Total R&D personnel in business enterprise Full-time work equivalent (FTE thousands)	108.1	183.3	15	2019
4.3.09 · Total R&D personnel in business per capita Full-time work equivalent (FTE) per 1000 people	11.95	3.31	1	2019
4.3.10 · Researchers in R&D per capita Full-time work equivalent (FTE) per 1000 people	-	3.6		
4.3.11 · Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences	-	24.75		
4.3.12 · Scientific articles Scientific articles published by origin of author	13,091	39,473	31	2019
4.3.13 · Nobel prizes Awarded in physics, chemistry, physiology or medicine and economics since 1950	8	9	10	2021
4.3.14 · Nobel prizes per capita Awarded in physics, chemistry, physiology or medicine and economics since 1950 per million people	0.85	0.19	6	2021
4.3.15 · Patent applications Number of applications filed by applicant's origin	16,223	52,962	15	2020
4.3.16 · Patent applications per capita Number of applications filed by applicant's origin, per 100,000 inhabitants	174.55	80.01	11	2020
4.3.17 · Patent grants Number of patents granted by applicant's origin (average 2018-2020)	8,136	25,007	18	2020
4.3.18 · Number of patents in force by applicant's origin, per 100,000 inhabitants	837.5	491.7	13	2020
4.3.19 · Medium- and high-tech value added Proportion of total manufacturing value added, expressed as a percentage	40.00	38.63	30	2019
4.3.20 · Scientific research legislation Laws relating to scientific research do encourage innovation	7.12	5.97	12	2022
4.3.21 · Intellectual property rights Intellectual property rights are adequately enforced	7.26	6.59	22	2022
4.3.22 · Knowledge transfer Knowledge transfer is highly developed between companies and universities	6.84	5.52	12	2022

4.4 · Health and Environment

Value Average Rank Year

4.4.01 · Total health expenditure Percentage of GDP	7.5	7.5	31	2019
4.4.02 · Total health expenditure per capita US\$ per capita	3,281	2,614	21	2019
4.4.03 · Public expenditure on health (%) Percentage of total health expenditure	64.78	65.44	35	2019
4.4.04 · Health infrastructure Health infrastructure meets the needs of society	7.35	5.97	20	2022
4.4.05 · Universal health coverage index Coverage index for essential health services (0-100)	84	78	18	2019
4.4.06 · Life expectancy at birth Average estimate	82.7	78.4	9	2020
4.4.07 · Healthy life expectancy Average estimate	72.5	68.3	6	2021
4.4.08 · Infant mortality Under five mortality rate per 1000 live births	3.6	7.9	19	2020
4.4.09 · Medical assistance Number of inhabitants per physician and per nurse			36	2021
Medical assistance / Per nurse	204.23	302.83		2021
Medical assistance / Per physician	312.64	533.91		2021
4.4.10 · Urban population Percentage of total population	93	77		2021
4.4.11 · Human development index Combines economic - social - educational indicators/ Source: Human Development Report	0.919	0.862	19	2019
4.4.12 · Energy intensity Total energy consumed for each 1000 US\$ of GDP in MTOE	41	102	5	2018
4.4.13 · Safely treated waste water Percentage of waste water	93.1	76.7	18	2020
4.4.14 · Water use efficiency US\$ per cubic meter	134.56	97.67	12	2019
4.4.15 · CO2 emissions Metric tons of carbon dioxide from fuel combustion	58.0	420.2	29	2020
4.4.16 · CO2 emissions intensity CO2 emissions from fuel combustion in metric tons per one million US\$ of GDP	142.4	354.2	14	2020
4.4.17 · Exposure to particle pollution Mean population exposure to PM2.5, Micrograms per cubic metre	19.42	20.45	41	2019
4.4.18 · Renewable energies (%) Share of renewables in total energy requirements, %	3.2	16.8	53	2019
4.4.19 · Forest area growth Five year percentage change of hectares	-15.2	0.4	62	2020
4.4.20 · Total biocapacity Global hectares per capita of biologically productive space	0.18	3.26	58	2018
4.4.21 · Ecological footprint Global hectares per person	4.7	5.0	31	2018
4.4.22 · Ecological balance (reserve/deficit) Total biocapacity minus total footprint in global hectares per capita	-4.48	-1.73	50	2018
4.4.23 · Environment-related technologies Development of environment-related technologies, % inventions worldwide	0.48	1.60	20	2019
4.4.24 · Environmental agreements Multilateral agreements on hazardous waste, proportion fulfilled	76.72	83.34	48	2015
4.4.25 · Sustainable development Sustainable development is a priority in companies	5.72	6.21	40	2022
4.4.26 · Pollution problems Pollution problems do not seriously affect your economy	6.24	5.71	21	2022
4.4.27 · Environmental laws Environmental laws and compliance do not hinder the competitiveness of businesses	6.37	6.17	25	2022
4.4.28 · Quality of life Quality of life is high	7.72	6.76	27	2022

4.5 · Education

Value Average Rank Year

4.5.01 · Total public expenditure on education Percentage of GDP	7.1	5.0	6	2020
4.5.02 · Total public expenditure on education per capita US\$ per capita	3,098	1,562	8	2020
4.5.03 · Total public exp. on education per student Spending per enrolled pupil/student, all levels	10,178	6,944	17	2019
4.5.04 · Pupil-teacher ratio (primary education) Ratio of students to teaching staff	15.10	15.95	31	2019
4.5.05 · Pupil-teacher ratio (secondary education) Ratio of students to teaching staff	10.40	13.74	17	2018
4.5.06 · Secondary school enrollment Percentage of relevant age group receiving full-time education	99.0	92.7	6	2019
4.5.07 · Higher education achievement Percentage of population that has attained at least tertiary education for persons 25-34	47.3	44.2	25	2020
4.5.08 · Women with degrees Share of women who have a degree in the population 25-65	55.1	39.7	6	2020
4.5.09 · Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	-	4.01		
4.5.10 · Student mobility outbound National tertiary-level students studying abroad per 1000 inhabitants	1.80	2.62	29	2019
4.5.11 · Educational assessment - PISA PISA survey of 15-year olds	465	471	37	2018
Educational assessment - PISA / Mathematics	463	472		2018
Educational assessment - PISA / Reading	470	468		2018
Educational assessment - PISA / Sciences	462	472		2018
4.5.12 · Students who are not low achievers - PISA % of students who are not low achievers in maths, sciences and reading	55.9	58.5	37	2018
4.5.13 · English proficiency - TOEFL TOEFL scores	93	92	27	2020
4.5.14 · Primary and secondary education Primary and secondary education meets the needs of a competitive economy	6.33	6.10	31	2022
4.5.15 · University education University education meets the needs of a competitive economy	7.12	6.40	24	2022
4.5.16 · Management education Management education meets the needs of the business community	6.28	6.34	36	2022
4.5.17 · University education index Country score calculated from Times Higher Education university ranking	8.81	14.07	32	2021
4.5.18 · Illiteracy Adult (over 15 years) illiteracy rate as a percentage of population	-	2.4		
4.5.19 · Language skills Language skills are meeting the needs of enterprises	6.28	6.41	33	2022

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