



GKI RANK 102/154

GKI SCORE 42.6

WORLD AVERAGE 48.4

EL SALVADOR

COUNTRY PERFORMANCE SUMMARY

El Salvador is a modest performer in terms of its knowledge infrastructure. It ranks 102nd out of 154 countries in the Global Knowledge Index 2021 and 7th out of the 27 countries with medium human development.

KEY INDICATORS

GDP US\$ billions 52.256
Population 6,486,201
HDI 0.673

AREAS OF STRENGTH

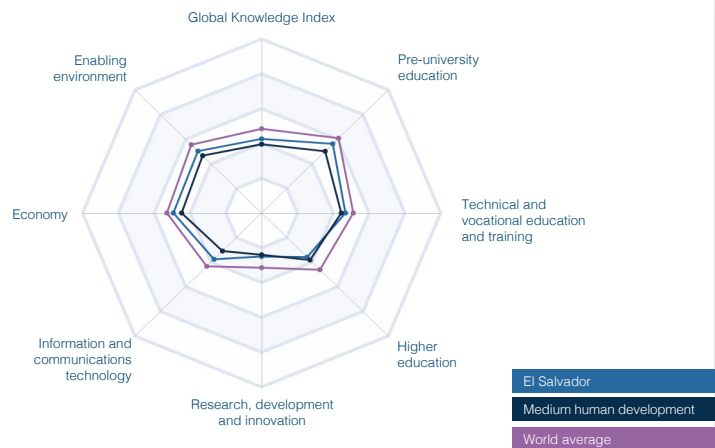
- + Tertiary graduates from ICT programmes (%)
- + Citations per document
- + Gross attendance ratio for tertiary education, gender parity
- + Firms offering formal training (%)
- + Investment in telecommunication services (% GDP)

AREAS OF IMPROVEMENT

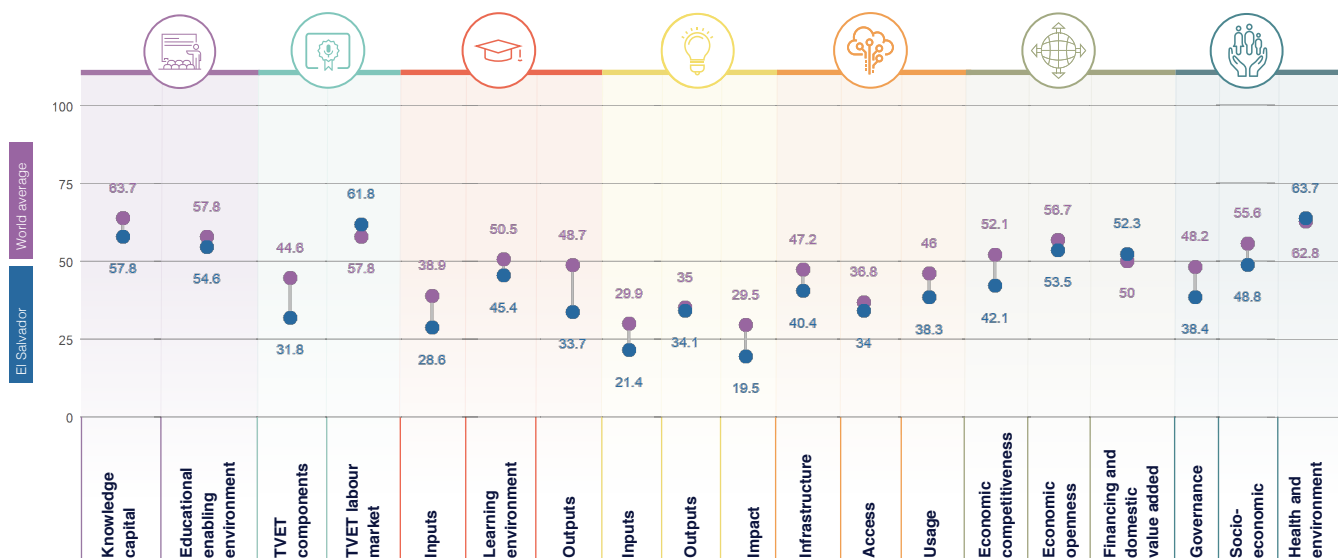
- Joint ventures per strategic alliance deals (% GDP)
- Educational attainment rate, doctorate or equivalent
- Educational attainment rate, master's or equivalent
- Research institutions prominence
- Government expenditure on vocational education (%)

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	101	56.2
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	98	46.8
HIGHER EDUCATION	124	35.9
RESEARCH, DEVELOPMENT AND INNOVATION	110	25
INFORMATION AND COMMUNICATIONS TECHNOLOGY	93	37.6
ECONOMY	87	49.3
ENABLING ENVIRONMENT	95	50.3



GKI PILLARS





EL SALVADOR

	Rank	Value
PRE-UNIVERSITY EDUCATION	101	56.2
Knowledge capital	101	57.8
Enrolment	120	58.3
Net enrolment rate in primary education	128	52
Net enrolment rate in lower secondary education	107	69.7
Net enrolment rate in upper secondary education	104	53.1
Completion	98	63.9
Years of compulsory education in primary and secondary	67	69.2
Completion rate in upper secondary education	75	61
Gross intake ratio to the last grade of lower secondary education	95	61.3
Outcomes	63	51.2
Assessment of 15-year-old students in math, science and reading	n/a	n/a
Learning-adjusted years of schooling	85	51.2
Educational enabling environment	96	54.6
Expenditure	86	27.8
Government expenditure on primary education (% GDP)	49	36.9
Government expenditure on secondary education (% GDP)	92	20.5
Government funding per primary student (% GDP per capita)	65	36.5
Government funding per secondary student (% GDP per capita)	95	17.4
Resources	76	70.8
Pupil-trained teacher ratio in primary education	58	77.7
Pupil-trained teacher ratio in secondary education	63	61
Schools with access to computers in primary education (%)	60	61
Schools with access to computers in secondary education (%)	64	83.4
Early learning	81	56.8
Gross enrolment ratio in early childhood education	101	23.5
Proportion of children who are developmentally on track	26	71.9
Proportion of children with stimulating home learning environments	39	54.2
Pupil-trained teacher ratio in pre-primary education	54	77.7
Equity and inclusiveness	73	63.1
Completion rate in upper secondary education, gender parity	27	96.5
Completion rate in upper secondary education, wealth parity	68	34.8
Completion rate in upper secondary education, location parity	76	58.1
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	98	46.8
TVET components	129	31.8
Continuous training and skilling	99	34.8
Firms offering formal training (%)	18	67.1
Labour force with short-cycle tertiary education (%)	n/a	n/a
Participation rate in formal and non-formal education and training	74	2.5
TVET structure	125	13.7
Government expenditure on vocational education (%)	78	0
Share of students enrolled in secondary vocational programmes	50	27.5
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	67	46.9
Extent of staff training	112	43.1
Quality of vocational training	100	44.2
Ratio of high-skill TVET occupations earnings to average wage	25	45.5
Ratio of medium-skill TVET occupations earnings to average wage	25	54.6
TVET labour market	65	61.8
Efficiency of the labour market	110	54.7
Firms constrained with inadequately educated workforce (%)	82	52.4
Employment educational mismatch (%)	76	55.3
Proportion of skilled production workers	72	56.3
Unemployment rate with vocational education	n/a	n/a
Post-TVET employment	50	51.8
Share of TVET occupations	97	47.3
Manufacturing employment (%)	32	56.2
Equity and inclusiveness	54	78.8
Enrolment in vocational education, gender parity	19	94.2
Vulnerable employment rate	88	63.4

	Rank	Value
HIGHER EDUCATION	124	35.9
Inputs	116	28.6
Expenditure	117	3.5
Government expenditure per tertiary student	112	3.5
Teaching staff compensation (% tertiary expenditure)	n/a	n/a
Enrolment	84	14.7
Enrolment in bachelor's or equivalent level (%)	84	17.6
Enrolment in master's, doctoral or equivalent (%)	74	11.8
Resources	61	67.6
Pupil-teacher ratio in tertiary education	78	71
Researchers in higher education (%)	31	64.3
Learning environment	93	45.4
Diversity and academic freedom	90	46.3
Teachers in tertiary education, gender parity	68	62.3
Inbound mobility rate	103	1.8
Academic freedom	76	74.7
Equity and inclusiveness	40	44.6
Gross attendance ratio for tertiary education, gender parity	13	93.6
Gross attendance ratio for tertiary education, wealth parity	51	28.8
Gross attendance ratio for tertiary education, location parity	37	11.5
Outputs	128	33.7
Attainment	93	7.6
Educational attainment rate, bachelor's or equivalent	80	20
Educational attainment rate, master's or equivalent	93	0.8
Educational attainment rate, doctorate or equivalent	80	1.9
Employment	73	73.4
Labour force participation rate with advanced education	65	73.4
Unemployment rate with advanced education	n/a	n/a
Impact	135	20
University-industry collaboration in R&D	130	27.2
Citable documents per R&D personnel in higher education	86	12.8
RESEARCH, DEVELOPMENT AND INNOVATION	110	25
Inputs	105	21.4
Inputs of R&D institutions	89	19.7
GERD (% GDP)	96	3.1
GERD per researcher	35	35.3
Researchers per thousand labour force	92	0.9
Tertiary graduates from STEM programmes (%)	65	39.6
Inputs of RDI in business enterprises	91	19.8
GERD performed by business enterprises (%)	67	1.5
GERD financed by business enterprises (%)	51	43.5
Researchers in business enterprises (%)	n/a	n/a
Firms that spend on R&D (%)	79	14.4
Inputs of societal innovation	101	26.5
High-skilled employment (%)	61	18.9
Intellectual property payments (% total trade)	35	28.4
State of cluster development	129	32.1
Outputs	77	34.1
Outputs of R&D institutions	82	39.7
Average documents per researcher	85	46.6
Citations per document	16	48.5
Patent applications (per 100 billion GDP)	115	23.9
Outputs of RDI in business enterprises	120	21.1
Intellectual property receipts (% total trade)	99	3.5
Industrial design applications (per 100 billion GDP)	104	0.9
PCT applications (per 100 billion GDP)	120	32.1
Firms producing new goods and services (%)	57	47.9



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	Rank	Value
Outputs of societal innovation	38	35.9
Trademark applications (per 100 billion GDP)	40	42.5
Cultural goods exports (% exports)	32	29.4
Printing and publishing output (% manufactured output)	n/a	n/a
Impact	123	19.5
Quality	113	14.2
Research institutions prominence	115	0
Growth of innovative companies	125	39.1
ISO 9001 quality certificates (% GDP)	74	14.1
ISO 14001 environmental certificates (% GDP)	97	3.7
Linkages	118	5.5
GERD financed from abroad (%)	64	10.7
Joint ventures per strategic alliance deals (% GDP)	128	1.7
Computer software spending (% GDP)	100	4
Business development	74	38.9
New business density per thousand population	100	2.7
Firms with new product/service (%)	25	75
INFORMATION AND COMMUNICATIONS TECHNOLOGY	93	37.6
Infrastructure	96	40.4
Coverage	71	46.4
3G/4G mobile network coverage (% population)	111	73.9
Secure Internet servers per 1 million population	107	2
Investment in telecommunication services (% GDP)	18	63.4
Quality	121	5.8
Mobile upload and download speeds	101	7.3
Fixed-broadband upload and download speeds	102	3.1
Fixed-broadband subscriptions by speed per hundred people	95	6.9
Affordability	93	68.9
Fixed broadband basket (% GNI per capita)	111	60.9
Mobile broadband basket (% GNI per capita)	111	45.8
Internet and telephony competition	1	100
Access	84	34
Subscriptions	108	30.9
Active mobile-broadband subscriptions per hundred inhabitants	102	26.1
International Internet bandwidth per user	58	43.2
Households with Internet access at home (%)	116	23.3
Skills and employment	52	37.2
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	8	66.4
ICT employment (%)	91	8
Usage	97	38.3
Services	106	33
Government online services	94	57.7
Fixed broadband Internet traffic per subscription	55	20.2
Mobile broadband Internet traffic per subscription	91	6.2
Internet users (%)	102	47.8
Outcomes	82	43.6
ICT PCT patent applications (per 100 billion GDP)	86	35.2
E-participation	74	67.9
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	106	27.7
ECONOMY	87	49.3
Economic competitiveness	120	42.1
Infrastructure investment	112	43.2
Gross fixed capital formation (% GDP)	120	36
Logistics performance	100	39.4
Transport productive capacity	55	30.7
Building quality control	99	66.7

	Rank	Value
Business agility	116	40.9
Ease of starting a business	126	78.6
Insolvency recovery rate	88	35.2
Entrepreneurial employee activity rate	72	7.1
Extent of corporate transparency	89	42.9
Economic openness	82	53.5
Trade and diversification	81	57.8
Trade (% GDP)	80	27.6
High-technology trade (% total trade)	67	47.1
Product concentration	47	81.5
Market concentration	130	74.9
Financial openness	85	49.3
Chinn-Ito financial openness	62	70
Foreign direct investment, net inflows (% GDP)	91	38.3
Debt dynamics	123	39.5
Financing and domestic value added	63	52.3
Financing and taxes	50	62.8
Domestic credit to private sector (% GDP)	62	23.1
MSME financing gap (% GDP)	n/a	n/a
Tax and contribution rate (% profit)	74	71.1
Bank non-performing loans (%)	21	94.3
Domestic value added	75	41.8
Medium- and high-tech activities value added	81	22.2
Industry and services value added (% GDP)	65	63.9
Labour underutilization rate	63	73
Output per worker	102	8.1
ENABLING ENVIRONMENT	95	50.3
Governance	93	38.4
Political environment	69	46.8
Peace and stability	74	45.8
Voice and accountability	76	47.8
Quality of institutions	110	30
Rule of law	122	22.1
Control of corruption	108	29.3
Government effectiveness	95	38.5
Socio-economic	101	48.8
Gender equity	91	62.4
Female-to-male ratio in parliament	64	37.7
Female-to-male labour force participation	124	56.2
Female-to-male ratio in Internet usage	79	93.3
Social inclusion	116	49.1
Social protection coverage (% population)	103	19.8
Adult literacy rate	71	86
Youth not in employment, education or training (%)	124	41.4
Standard of living	94	35.1
Poverty headcount ratio (% population)	80	63.5
GDP per capita	101	6.7
Health and environment	77	63.7
Health	71	78.4
Universal health coverage	40	76
Healthy life expectancy (years)	80	69.1
Under-five mortality rate	70	90.2
Environmental performance	104	48.9
Renewable energy consumption (%)	77	24.1
Ecological footprint per capita	61	88.7
Natural hazard exposure	134	34

*All values are normalized to a scale from 0 (worst) to 100 (best).