



GKI
RANK 43 /141

GKI
SCORE

53.4

WORLD
AVERAGE

47.8

COUNTRY PERFORMANCE SUMMARY

Chile is a strong performer in terms of its knowledge infrastructure. It ranks 43rd out of 141 countries in the Global Knowledge Index 2024 and 42nd out of the 59 countries with very high human development.

CHILE

KEY INDICATORS

GDP (US\$ billions): 579.201

Population: 19,658,835

HDI: 0.86

AREAS OF STRENGTH

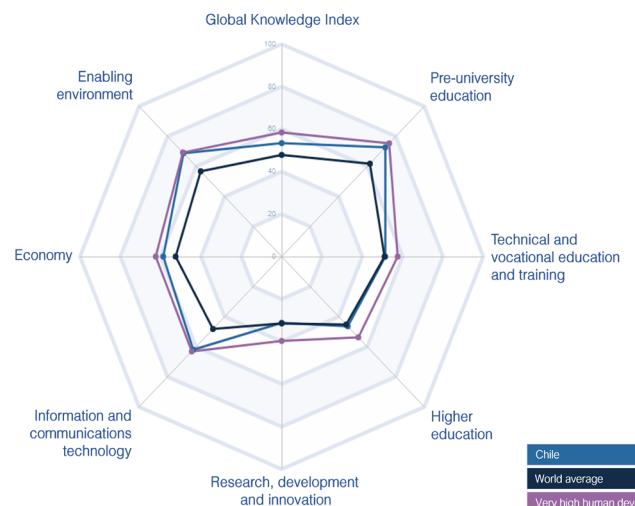
- + Fixed-broadband upload and download speeds
- + MSME financing gap (% GDP)
- + Fixed broadband Internet traffic per subscription
- + Gross attendance ratio for tertiary education, wealth parity
- + Enrolment in bachelor's or equivalent level (%)

AREAS OF IMPROVEMENT

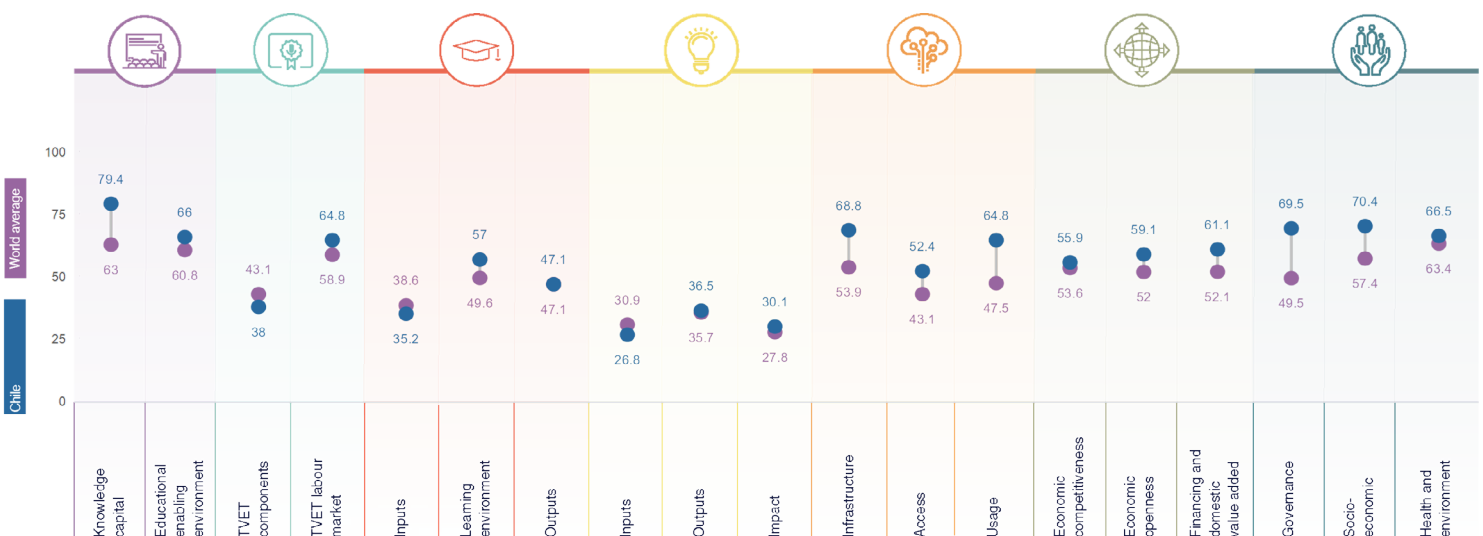
- Firms constrained with inadequately educated workforce (%)
- Industrial design applications (per 100 billion GDP)
- Ratio of medium-skill TVET occupations earnings to average wage
- Cultural goods exports (% exports)
- Tertiary graduates from ICT programmes (%)

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	49	72.7
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	73	51.4
HIGHER EDUCATION	69	46.4
RESEARCH, DEVELOPMENT AND INNOVATION	60	31.2
INFORMATION AND COMMUNICATIONS TECHNOLOGY	36	62
ECONOMY	44	58.7
ENABLING ENVIRONMENT	32	68.8



GKI PILLARS





CHILE

Rank Value

PRE-UNIVERSITY EDUCATION	49	72.7
Knowledge capital	33	79.4
Enrolment	13	97.9
Net enrolment rate in primary education	40	97.4
Net enrolment rate in lower secondary education	27	98.9
Net enrolment rate in upper secondary education	12	97.5
Completion	6	86.3
Years of compulsory education in primary and secondary	3	92.3
Completion rate in upper secondary education	11	94.9
Gross intake ratio to the last grade of lower secondary education	14	71.7
Outcomes	55	54
Assessment of 15-year-old students in math, science and reading	45	40.1
Learning-adjusted years of schooling	45	67.9
Educational enabling environment	67	66
Expenditure	64	36.8
Government expenditure on primary education (% GDP)	49	36.8
Government expenditure on secondary education (% GDP)	64	30.4
Government funding per primary student (% GDP per capita)	49	46.4
Government funding per secondary student (% GDP per capita)	59	33.7
Resources	89	72.6
Pupil-trained teacher ratio in primary education	n/a	n/a
Pupil-trained teacher ratio in secondary education	n/a	n/a
Schools with access to computers in primary education (%)	76	51.6
Schools with access to computers in secondary education (%)	72	93.6
Early learning	68	60.4
Gross enrolment ratio in early childhood education	73	40.6
Proportion of children who are developmentally on track	11	80.2
Proportion of children with stimulating home learning environments	n/a	n/a
Pupil-trained teacher ratio in pre-primary education	n/a	n/a
Equity and inclusiveness	22	94.1
Completion rate in upper secondary education, gender parity	28	96.3
Completion rate in upper secondary education, wealth parity	8	89.5
Completion rate in upper secondary education, location parity	23	96.7
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	73	51.4
TVET components	104	38
Continuous training and skilling	28	55.2
Firms offering formal training (%)	12	71.2
Labour force participation rate with short-cycle tertiary education	n/a	n/a
Participation rate in formal and non-formal education and training	36	39.3
TVET structure	106	21.1
Government expenditure on vocational education (%)	53	25.2
Share of students enrolled in secondary vocational programmes	64	16.9
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	106	37.7
Extent of staff training	47	61.1
Quality of vocational training	72	53.2
Ratio of high-skill TVET occupations earnings to average wage	97	19.3
Ratio of medium-skill TVET occupations earnings to average wage	106	17.2
TVET labour market	56	64.8
Efficiency of the labour market	107	61.6
Firms constrained with inadequately educated workforce (%)	121	35.1
Employment educational mismatch (%)	35	75.3
Proportion of skilled production workers	n/a	n/a
Unemployment rate with vocational education	79	74.5
Post-TVET employment	59	46.7
Share of TVET occupations	56	62.1
Manufacturing employment (%)	77	31.2
Equity and inclusiveness	23	86
Enrolment in vocational education, gender parity	9	94.8
Vulnerable employment rate	56	77.2

Rank Value

HIGHER EDUCATION	69	46.4
Inputs	92	35.2
Expenditure	77	20.9
Government expenditure per tertiary student	54	10.6
Teaching staff compensation (% tertiary expenditure)	62	31.2
Enrolment	42	34.8
Enrolment in bachelor's or equivalent level (%)	8	44.9
Enrolment in master's, doctoral or equivalent (%)	53	24.8
Resources	101	49.7
Pupil-teacher ratio in tertiary education	n/a	n/a
Researchers in higher education (%)	48	49.7
Learning environment	54	57
Diversity and academic freedom	79	47.5
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	87	3.4
Academic freedom	17	91.6
Equity and inclusiveness	5	66.5
Gross attendance ratio for tertiary education, gender parity	18	91.1
Gross attendance ratio for tertiary education, wealth parity	4	40.2
Gross attendance ratio for tertiary education, location parity	8	68.3
Outputs	67	47.1
Attainment	75	17.3
Educational attainment rate, bachelor's or equivalent	50	35.1
Educational attainment rate, master's or equivalent	67	10.9
Educational attainment rate, doctoral or equivalent	81	5.8
Employment	47	83
Labour force participation rate with advanced education	12	89.1
Unemployment rate with advanced education	89	77
Impact	58	41
University-industry collaboration in R&D	80	42.9
Citable documents per R&D personnel in higher education	16	39
RESEARCH, DEVELOPMENT AND INNOVATION	60	31.2
Inputs	71	26.8
Inputs of R&D institutions	88	21.5
GERD (% GDP)	71	5.9
GERD per researcher	51	21.5
Researchers per thousand labour force	71	6.7
Tertiary graduates from STEM programmes (%)	70	52
Inputs of RDI in business enterprises	61	25.6
GERD performed by business enterprises (%)	56	2.8
GERD financed by business enterprises (%)	55	38.9
Researchers in business enterprises (%)	41	35.1
Firms that spend on R&D (%)	n/a	n/a
Inputs of societal innovation	44	38.6
High-skilled employment (%)	48	42.1
Intellectual property payments (% total trade)	29	27
State of cluster development	73	46.7
Outputs	55	36.5
Outputs of R&D institutions	25	51.3
Average documents per researcher	7	66.4
Citations per document	68	37.4
Resident patent applications (per 100 billion GDP)	70	50.1
Outputs of RDI in business enterprises	127	13.5
Intellectual property receipts (% total trade)	73	10.9
Industrial design applications (per 100 billion GDP)	119	21.7
PCT applications (per 100 billion GDP)	40	7.7
Firms producing new products and services (%)	n/a	n/a
Outputs of societal innovation	96	29.9
Trademark applications (per 100 billion GDP)	17	35.7
Cultural goods exports (% exports)	115	42.8
Printing and publishing output (% manufactured output)	80	11.3
Impact	57	30.1
Quality	59	24.6
Research institutions prominence	39	21
Growth of innovative companies	57	49.1
ISO 9001 quality certificates (per billion GDP)	51	14.6
ISO 14001 environmental certificates (per billion GDP)	51	13.8
Linkages	51	21.4
GERD financed from abroad (%)	70	8.5
Joint ventures per strategic alliance deals (per billion GDP)	60	6.8
Computer software spending (% GDP)	22	48.8
Business development	44	44.4
New business density per thousand population	12	44.4
Firms with products and services new to the market (%)	n/a	n/a



CHILE

		Rank Value	
INFORMATION AND COMMUNICATIONS TECHNOLOGY		36	62
Infrastructure		31	68.8
Coverage		39	68.5
3G/4G mobile network coverage (% population)		83	95.3
Secure Internet servers per 1 million population		41	75
Investment in telecommunication services (% GDP)		37	35.2
Quality		25	51.4
Mobile upload and download speeds		59	16.3
Fixed-broadband upload and download speeds		3	91.2
Fixed-broadband subscriptions by speed per hundred people		54	46.8
Affordability		60	86.6
Fixed broadband basket (% GNI per capita)		66	68.6
Mobile broadband basket (% GNI per capita)		40	97
Internet and telephony competition		82	94.1
Access		47	52.4
Subscriptions		27	70.9
Active mobile-broadband subscriptions per hundred inhabitants		44	53.6
International Internet bandwidth per user		25	65
Households with Internet access at home (%)		30	94.3
Skills and employment		52	33.8
Individuals with standard ICT skills (%)		19	57.2
Tertiary graduates from ICT programmes (%)		98	18.5
ICT employment (%)		46	25.6
Usage		30	64.8
Services		11	75.2
Government online services		31	86.1
Fixed broadband Internet traffic per subscription		5	71.1
Mobile broadband Internet traffic per subscription		12	50.1
Internet users (%)		25	93.5
Outcomes		45	54.3
ICT PCT patent applications (per 100 billion GDP)		64	42.2
E-participation		27	83.6
Internet activities by individuals (%)		53	47.9
Trade in digitally deliverable services (% total trade)		45	43.6
ECONOMY		44	58.7
Economic competitiveness		60	55.9
Infrastructure investment		36	58.2
Gross fixed capital formation (% GDP)		52	41.9
Logistics performance		58	50
Transport productive capacity		38	54.4
Building quality control		24	86.7
Business agility		76	53.7
Ease of starting a business		51	91.4
Insolvency recovery rate		52	45.6
Entrepreneurial employee activity rate		17	49
Extent of corporate transparency		97	28.6
Economic openness		50	59.1
Trade and diversification		102	45.1
Trade (% GDP)		103	12.2
High-technology trade (% total trade)		69	18.2
Product concentration		91	68.7
Market concentration		102	81.4
Financial openness		35	73.1
Chinn-Ito financial openness		57	70.1
Foreign direct investment, net inflows (% GDP)		24	49.2
Debt dynamics		1	100
Financing and domestic value added		24	61.1
Financing and taxes		13	73.9
Domestic credit to private sector (% GDP)		18	44.2
MSME financing gap (% GDP)		3	95.7
Tax and contribution rate (% profit)		56	65
Bank non-performing loans (%)		41	90.8
Domestic value added		59	48.2
Medium- and high-tech activities value added		72	21.8
Industry and services value added (% GDP)		52	75.8
Labour underutilization rate		65	71.3
Output per worker		52	24

		Rank Value	
ENABLING ENVIRONMENT		32	68.8
Governance		40	69.5
Political environment		41	64.8
Peace and stability		58	51.4
Voice and accountability		29	78.3
Quality of institutions		36	74.2
Rule of law		37	72.6
Control of corruption		29	80.7
Government effectiveness		44	69.3
Socio-economic		35	70.4
Gender equity		46	75.1
Female-to-male ratio in parliament		41	55
Female-to-male labour force participation		93	72.2
Female-to-male ratio in Internet usage		63	98
Social inclusion		45	80.3
Social protection coverage (% population)		49	74.7
Adult literacy rate		38	96.1
Youth not in employment, education or training (%)		67	70.2
Standard of living		29	55.9
Poverty headcount ratio (% population)		9	90
GDP per capita		52	21.8
Health and environment		51	66.5
Health		30	85.9
Universal health coverage		27	82.3
Healthy life expectancy (years)		29	79.3
Under-five mortality rate		46	96.2
Environmental performance		110	47
Renewable energy consumption (%)		72	25.1
Ecological footprint per capita		93	70.9
Natural hazard exposure		116	45

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