

GKI
RANK 66 /141

GKI
SCORE 47.6

WORLD
AVERAGE 47.8

PERU

KEY INDICATORS

GDP (US\$ billions): 517.644

Population: 33,845,617

HDI: 0.762

COUNTRY PERFORMANCE SUMMARY

Peru is a moderate performer in terms of its knowledge infrastructure. It ranks 66th out of 141 countries in the Global Knowledge Index 2024 and 10th out of the 35 countries with high human development.

AREAS OF STRENGTH

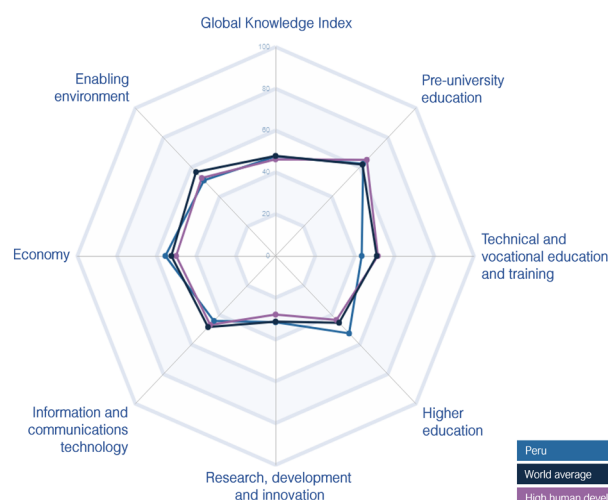
- + Enrolment in bachelor's or equivalent level (%)
- + MSME financing gap (% GDP)
- + Firms producing new products and services (%)
- + Firms offering formal training (%)
- + Completion rate in upper secondary education, gender parity

AREAS OF IMPROVEMENT

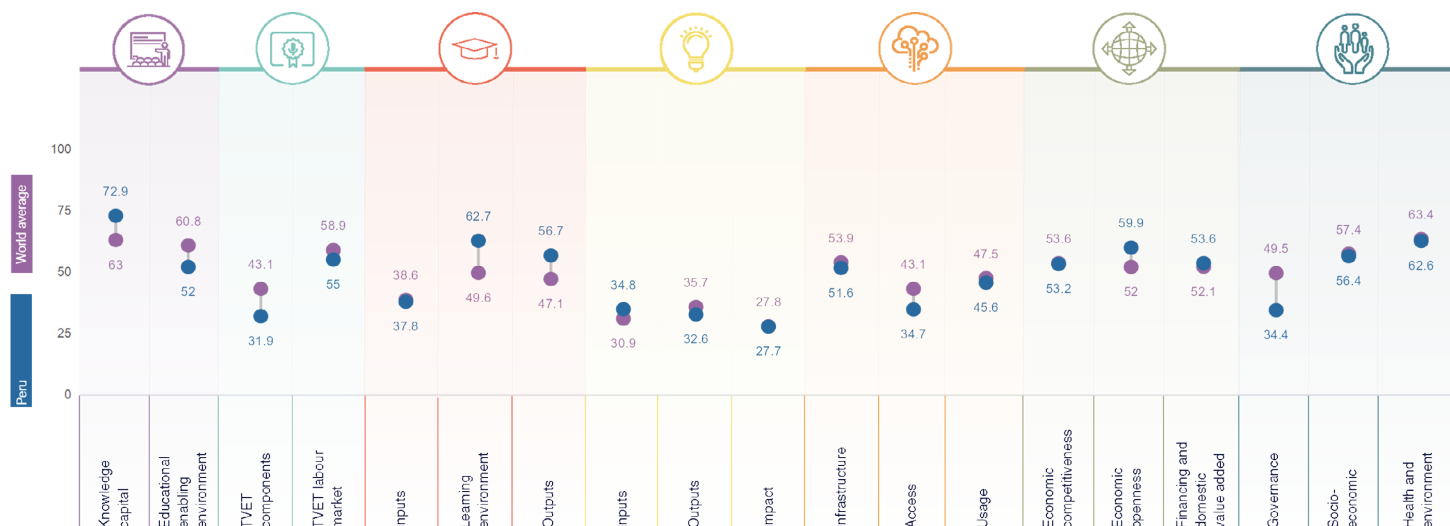
- Pupil-trained teacher ratio in primary education
- Joint ventures per strategic alliance deals (per billion GDP)
- ICT PCT patent applications (per 100 billion GDP)
- Citations per document
- Pupil-trained teacher ratio in secondary education

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	84	62.4
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	109	43.4
HIGHER EDUCATION	41	52.4
RESEARCH, DEVELOPMENT AND INNOVATION	56	31.7
INFORMATION AND COMMUNICATIONS TECHNOLOGY	85	44
ECONOMY	51	55.6
ENABLING ENVIRONMENT	87	51.1



GKI PILLARS





PERU

		Rank Value	
PRE-UNIVERSITY EDUCATION		84	62.4
Knowledge capital		54	72.9
Enrolment		39	94.6
Net enrolment rate in primary education		12	99.5
Net enrolment rate in lower secondary education		31	98.7
Net enrolment rate in upper secondary education		56	85.5
Completion		24	80.4
Years of compulsory education in primary and secondary		30	84.6
Completion rate in upper secondary education		21	91.1
Gross intake ratio to the last grade of lower secondary education		55	65.4
Outcomes		72	43.7
Assessment of 15-year-old students in math, science and reading		60	26.9
Learning-adjusted years of schooling		64	60.6
Educational enabling environment		99	52
Expenditure		81	30.3
Government expenditure on primary education (% GDP)		63	32.5
Government expenditure on secondary education (% GDP)		78	26.2
Government funding per primary student (% GDP per capita)		79	32.6
Government funding per secondary student (% GDP per capita)		71	29.9
Resources		120	49.8
Pupil-trained teacher ratio in primary education		97	0
Pupil-trained teacher ratio in secondary education		84	51.1
Schools with access to computers in primary education (%)		65	70.6
Schools with access to computers in secondary education (%)		91	77.4
Early learning		109	37.8
Gross enrolment ratio in early childhood education		76	37.8
Proportion of children who are developmentally on track		n/a	n/a
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		31	90.2
Completion rate in upper secondary education, gender parity		10	98.6
Completion rate in upper secondary education, wealth parity		10	83.1
Completion rate in upper secondary education, location parity		38	88.9
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING		109	43.4
TVET components		122	31.9
Continuous training and skilling		42	51.3
Firms offering formal training (%)		9	76.4
Labour force participation rate with short-cycle tertiary education		n/a	n/a
Participation rate in formal and non-formal education and training		72	26.2
TVET structure		129	6
Government expenditure on vocational education (%)		78	1.2
Share of students enrolled in secondary vocational programmes		87	10.9
Share of students enrolled in post-secondary vocational programmes		n/a	n/a
TVET quality and qualifications		103	38.5
Extent of staff training		88	53.9
Quality of vocational training		122	36.5
Ratio of high-skill TVET occupations earnings to average wage		50	28.5
Ratio of medium-skill TVET occupations earnings to average wage		38	34.9
TVET labour market		97	55
Efficiency of the labour market		96	63.4
Firms constrained with inadequately educated workforce (%)		76	65.1
Employment educational mismatch (%)		67	60
Proportion of skilled production workers		63	65.2
Unemployment rate with vocational education		n/a	n/a
Post-TVET employment		97	36.5
Share of TVET occupations		94	46.9
Manufacturing employment (%)		92	26.1
Equity and inclusiveness		89	65
Enrolment in vocational education, gender parity		53	81.9
Vulnerable employment rate		95	48.1

		Rank Value	
HIGHER EDUCATION		41	52.4
Inputs		76	37.8
Expenditure		88	12.3
Government expenditure per tertiary student		96	2.9
Teaching staff compensation (% tertiary expenditure)		69	21.8
Enrolment		48	31.2
Enrolment in bachelor's or equivalent level (%)		4	48.9
Enrolment in master's, doctoral or equivalent (%)		62	13.5
Resources		47	70
Pupil-teacher ratio in tertiary education		77	70
Researchers in higher education (%)		n/a	n/a
Learning environment		31	62.7
Diversity and academic freedom		23	68.5
Teachers in tertiary education, gender parity		85	50.2
Inbound mobility rate		n/a	n/a
Academic freedom		35	86.9
Equity and inclusiveness		16	56.9
Gross attendance ratio for tertiary education, gender parity		22	89.7
Gross attendance ratio for tertiary education, wealth parity		10	31.2
Gross attendance ratio for tertiary education, location parity		16	49.8
Outputs		31	56.7
Attainment		15	51.3
Educational attainment rate, bachelor's or equivalent		n/a	n/a
Educational attainment rate, master's or equivalent		37	42.2
Educational attainment rate, doctoral or equivalent		14	60.4
Employment		37	84.7
Labour force participation rate with advanced education		20	86.7
Unemployment rate with advanced education		72	82.7
Impact		83	34.1
University-industry collaboration in R&D		114	34.1
Citable documents per R&D personnel in higher education		n/a	n/a
RESEARCH, DEVELOPMENT AND INNOVATION		56	31.7
Inputs		46	34.8
Inputs of R&D institutions		41	37.4
GERD (% GDP)		97	2.8
GERD per researcher		n/a	n/a
Researchers per thousand labour force		n/a	n/a
Tertiary graduates from STEM programmes (%)		22	72.1
Inputs of RDI in business enterprises		34	38.9
GERD performed by business enterprises (%)		n/a	n/a
GERD financed by business enterprises (%)		n/a	n/a
Researchers in business enterprises (%)		n/a	n/a
Firms that spend on R&D (%)		25	38.9
Inputs of societal innovation		97	25.6
High-skilled employment (%)		101	15
Intellectual property payments (% total trade)		43	21.7
State of cluster development		112	40.1
Outputs		83	32.6
Outputs of R&D institutions		106	28.2
Average documents per researcher		n/a	n/a
Citations per document		131	13
Resident patent applications (per 100 billion GDP)		84	43.4
Outputs of RDI in business enterprises		47	33.1
Intellectual property receipts (% total trade)		70	11.6
Industrial design applications (per 100 billion GDP)		106	36.2
PCT applications (per 100 billion GDP)		81	1.3
Firms producing new products and services (%)		8	83.4
Outputs of societal innovation		42	40.9
Trademark applications (per 100 billion GDP)		29	25.6
Cultural goods exports (% exports)		62	68.1
Printing and publishing output (% manufactured output)		25	28.9
Impact		67	27.7
Quality		61	24.1
Research institutions prominence		52	14.1
Growth of innovative companies		104	42.1
ISO 9001 quality certificates (per billion GDP)		48	16.3
ISO 14001 environmental certificates (per billion GDP)		32	23.8
Linkages		91	10.9
GERD financed from abroad (%)		n/a	n/a
Joint ventures per strategic alliance deals (per billion GDP)		116	0.4
Computer software spending (% GDP)		66	21.4
Business development		30	48.1
New business density per thousand population		39	19.2
Firms with products and services new to the market (%)		21	77.1



PERU

		Rank Value	
INFORMATION AND COMMUNICATIONS TECHNOLOGY		85	44
Infrastructure		78	51.6
Coverage		106	50.2
3G/4G mobile network coverage (% population)		114	75
Secure Internet servers per 1 million population		80	47.8
Investment in telecommunication services (% GDP)		51	27.8
Quality		78	20.6
Mobile upload and download speeds		117	6.4
Fixed-broadband upload and download speeds		43	34.6
Fixed-broadband subscriptions by speed per hundred people		81	21
Affordability		74	84.1
Fixed broadband basket (% GNI per capita)		87	61.9
Mobile broadband basket (% GNI per capita)		84	90.3
Internet and telephony competition		1	100
Access		97	34.7
Subscriptions		101	49.6
Active mobile-broadband subscriptions per hundred inhabitants		79	44
International Internet bandwidth per user		104	50.1
Households with Internet access at home (%)		105	54.6
Skills and employment		84	19.9
Individuals with standard ICT skills (%)		64	17.3
Tertiary graduates from ICT programmes (%)		46	33.7
ICT employment (%)		78	8.5
Usage		75	45.6
Services		69	51.3
Government online services		38	83.8
Fixed broadband Internet traffic per subscription		86	14.1
Mobile broadband Internet traffic per subscription		27	35.5
Internet users (%)		89	71.9
Outcomes		82	39.8
ICT PCT patent applications (per 100 billion GDP)		116	11.2
E-participation		40	75.3
Internet activities by individuals (%)		63	35.1
Trade in digitally deliverable services (% total trade)		58	37.8
ECONOMY		51	55.6
Economic competitiveness		78	53.2
Infrastructure investment		46	56.3
Gross fixed capital formation (% GDP)		84	37.1
Logistics performance		58	50
Transport productive capacity		60	44.6
Building quality control		8	93.3
Business agility		88	50.2
Ease of starting a business		107	82.1
Insolvency recovery rate		86	34.1
Entrepreneurial employee activity rate		57	13
Extent of corporate transparency		51	71.4
Economic openness		47	59.9
Trade and diversification		97	45.9
Trade (% GDP)		111	9.2
High-technology trade (% total trade)		72	17
Product concentration		74	73.2
Market concentration		99	84.1
Financial openness		33	74
Chinn-Ito financial openness		1	100
Foreign direct investment, net inflows (% GDP)		57	41.9
Debt dynamics		36	80
Financing and domestic value added		68	53.6
Financing and taxes		45	63.4
Domestic credit to private sector (% GDP)		75	18.4
MSME financing gap (% GDP)		6	94.7
Tax and contribution rate (% profit)		72	61.3
Bank non-performing loans (%)		78	79.2
Domestic value added		76	43.7
Medium- and high-tech activities value added		93	14.4
Industry and services value added (% GDP)		69	73
Labour underutilization rate		49	77.5
Output per worker		90	10

		Rank Value	
ENABLING ENVIRONMENT		87	51.1
Governance		98	34.4
Political environment		83	38.8
Peace and stability		98	27.8
Voice and accountability		69	49.8
Quality of institutions		102	30
Rule of law		100	32.5
Control of corruption		114	22.2
Government effectiveness		95	35.4
Socio-economic		76	56.4
Gender equity		28	80.1
Female-to-male ratio in parliament		30	62.6
Female-to-male labour force participation		53	83.3
Female-to-male ratio in Internet usage		82	94.4
Social inclusion		92	54.9
Social protection coverage (% population)		97	23.2
Adult literacy rate		56	91.7
Youth not in employment, education or training (%)		105	49.8
Standard of living		88	34.2
Poverty headcount ratio (% population)		81	57.6
GDP per capita		81	10.8
Health and environment		87	62.6
Health		81	74.3
Universal health coverage		74	71.1
Healthy life expectancy (years)		78	63.3
Under-five mortality rate		81	88.6
Environmental performance		90	50.9
Renewable energy consumption (%)		60	31.8
Ecological footprint per capita		60	85.1
Natural hazard exposure		127	36

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