

GKI RANK 17 /141

GKI SCORE 63.4

WORLD AVERAGE 47.8

COUNTRY PERFORMANCE SUMMARY

Australia is a leading performer in terms of its knowledge infrastructure. It ranks 17th out of 141 countries in the Global Knowledge Index 2024 and 17th out of the 59 countries with very high human development.

AUSTRALIA

KEY INDICATORS

GDP (US\$ billions): 1,583.832

Population: 26,451,124

HDI: 0.946

AREAS OF STRENGTH

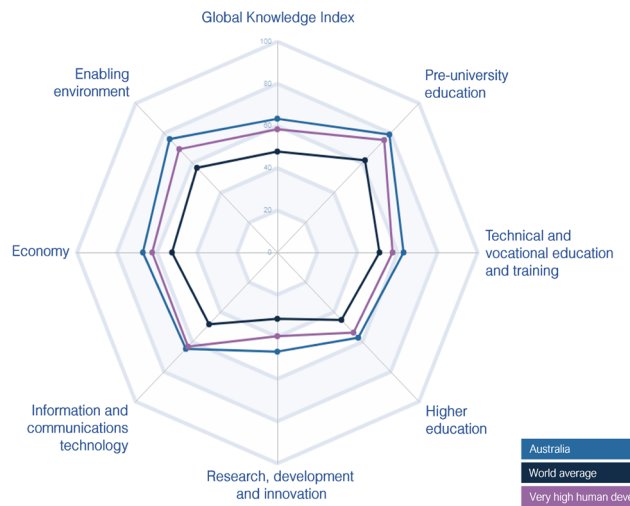
- + Ease of starting a business
- + New business density per thousand population
- + Entrepreneurial employee activity rate
- + Inbound mobility rate
- + Research institutions prominence

AREAS OF IMPROVEMENT

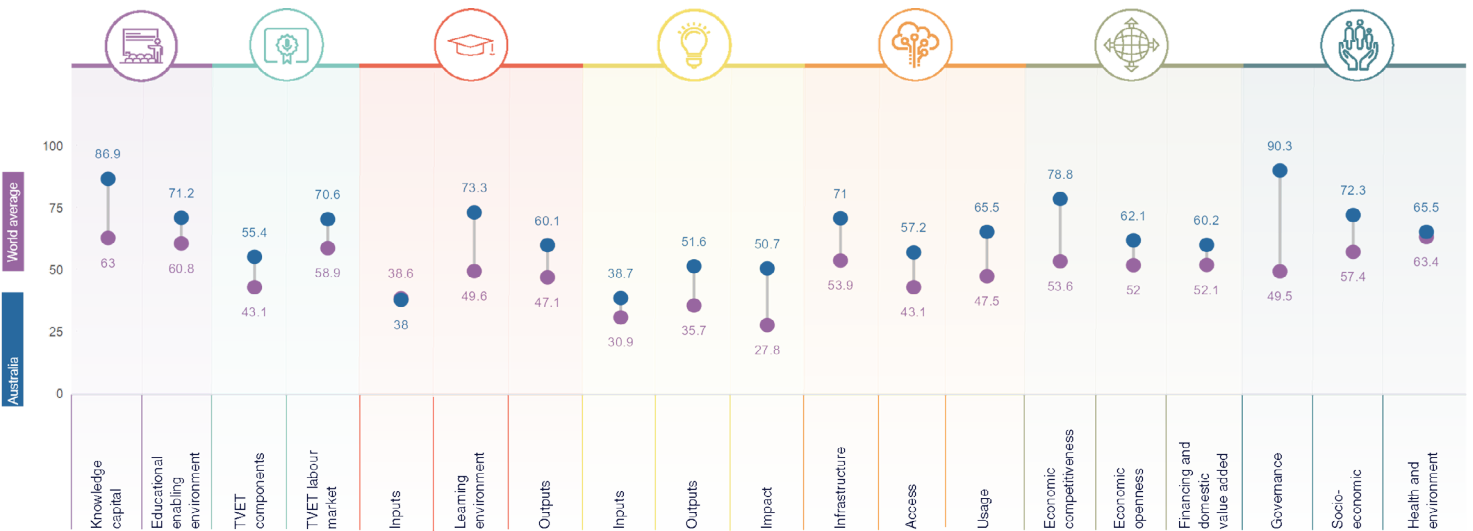
- Ecological footprint per capita
- Trade (% GDP)
- Market concentration
- Tax and contribution rate (% profit)
- Share of students enrolled in post-secondary vocational programmes

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	14	79.1
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	15	63
HIGHER EDUCATION	25	57.1
RESEARCH, DEVELOPMENT AND INNOVATION	15	47
INFORMATION AND COMMUNICATIONS TECHNOLOGY	30	64.6
ECONOMY	17	67.1
ENABLING ENVIRONMENT	17	76



GKI PILLARS





AUSTRALIA

	Rank	Value
PRE-UNIVERSITY EDUCATION	14	79.1
Knowledge capital	2	86.9
Enrolment	23	96.7
Net enrolment rate in primary education	15	99.4
Net enrolment rate in lower secondary education	49	97.7
Net enrolment rate in upper secondary education	33	93.1
Completion	2	88.5
Years of compulsory education in primary and secondary	30	84.6
Completion rate in upper secondary education	17	92.4
Gross intake ratio to the last grade of lower secondary education	n/a	n/a
Outcomes	11	75.6
Assessment of 15-year-old students in math, science and reading	9	66.2
Learning-adjusted years of schooling	17	85
Educational enabling environment	49	71.2
Expenditure	42	41.8
Government expenditure on primary education (% GDP)	31	42.2
Government expenditure on secondary education (% GDP)	41	38.2
Government funding per primary student (% GDP per capita)	37	51
Government funding per secondary student (% GDP per capita)	54	36
Resources	12	99.7
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 (%)	1	100
Schools with access to computers in secondary education (%)	44	99.5
Early learning	85	52.3
Gross enrolment ratio in early childhood education	52	52.3
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	30	90.8
Completion rate in upper secondary education, gender parity	48	92
Completion rate in upper secondary education, wealth parity	7	89.5
Completion rate in upper secondary education, location parity	n/a	n/a
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	15	63
TVET components	16	55.4
Continuous training and skilling	22	59.8
Firms offering formal training (%)	n/a	n/a
Labour force participation rate with short-cycle tertiary education	51	75.6
Participation rate in formal and non-formal education and training	25	44.1
TVET structure	29	58.3
Government expenditure on vocational education (%)	46	29.7
Share of students enrolled in secondary vocational programmes	20	45.1
Share of students enrolled in post-secondary vocational programmes	1	100
TVET quality and qualifications	31	47.9
Extent of staff training	18	69.4
Quality of vocational training	15	69.6
Ratio of high-skill TVET occupations earnings to average wage	80	22.7
Ratio of medium-skill TVET occupations earnings to average wage	51	30
TVET labour market	28	70.6
Efficiency of the labour market	12	82.4
Firms constrained with inadequately educated workforce (%)	n/a	n/a
Employment educational mismatch (%)	43	73.4
Proportion of skilled production workers	n/a	n/a
Unemployment rate with vocational education	16	91.4
Post-TVET employment	67	45.3
Share of TVET occupations	28	69.5
Manufacturing employment (%)	103	21.1
Equity and inclusiveness	32	84
Enrolment in vocational education, gender parity	62	79
Vulnerable employment rate	31	89.1

	Rank	Value
HIGHER EDUCATION	25	57.1
Inputs	74	38
Expenditure	64	26.5
Government expenditure per tertiary student	35	18.6
Teaching staff compensation (% tertiary expenditure)	56	34.4
Enrolment	17	49.4
Enrolment in bachelor's or equivalent level (%)	10	43.7
Enrolment in master's, doctoral or equivalent (%)	27	55.1
Resources	n/a	n/a
Pupil-teacher ratio in tertiary education	n/a	n/a
Researchers in higher education (%)	n/a	n/a
Learning environment	8	73.3
Diversity and academic freedom	15	73.3
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	7	56.8
Academic freedom	24	89.8
Equity and inclusiveness	n/a	n/a
Gross attendance ratio for tertiary education, gender parity	n/a	n/a
Gross attendance ratio for tertiary education, wealth parity	n/a	n/a
Gross attendance ratio for tertiary education, location parity	n/a	n/a
Outputs	18	60.1
Attainment	29	46.9
Educational attainment rate, bachelor's or equivalent	15	58.5
Educational attainment rate, master's or equivalent	45	34
Educational attainment rate, doctoral or equivalent	19	48.2
Employment	31	85.8
Labour force participation rate with advanced education	56	78.7
Unemployment rate with advanced education	23	92.9
Impact	36	47.5
University-industry collaboration in R&D	12	68
Citable documents per R&D personnel in higher education	42	27
RESEARCH, DEVELOPMENT AND INNOVATION	15	47
Inputs	34	38.7
Inputs of R&D institutions	37	39.7
GERD (% GDP)	20	32.8
GERD per researcher	n/a	n/a
Researchers per thousand labour force	n/a	n/a
Tertiary graduates from STEM programmes (%)	85	46.6
Inputs of RDI in business enterprises	70	22.7
GERD performed by business enterprises (%)	21	22.7
GERD financed by business enterprises (%)	n/a	n/a
Researchers in business enterprises (%)	n/a	n/a
Firms that spend on R&D (%)	n/a	n/a
Inputs of societal innovation	13	52.8
High-skilled employment (%)	10	73.1
Intellectual property payments (% total trade)	42	22.6
State of cluster development	22	62.5
Outputs	15	51.6
Outputs of R&D institutions	6	63.6
Average documents per researcher	n/a	n/a
Citations per document	12	67.9
Resident patent applications (per 100 billion GDP)	40	59.2
Outputs of RDI in business enterprises	32	38.1
Intellectual property receipts (% total trade)	33	27.6
Industrial design applications (per 100 billion GDP)	44	63.3
PCT applications (per 100 billion GDP)	29	23.4
Firms producing new products and services (%)	n/a	n/a
Outputs of societal innovation	40	41
Trademark applications (per 100 billion GDP)	32	23.8
Cultural goods exports (% exports)	61	68.3
Printing and publishing output (% manufactured output)	22	31
Impact	3	50.7
Quality	14	43.9
Research institutions prominence	8	69.3
Growth of innovative companies	19	60.4
ISO 9001 quality certificates (per billion GDP)	39	19.5
ISO 14001 environmental certificates (per billion GDP)	28	26.5
Linkages	18	37.3
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (per billion GDP)	13	53.1
Computer software spending (% GDP)	65	21.4
Business development	10	70.9
New business density per thousand population	6	70.9
Firms with products and services new to the market (%)	n/a	n/a



AUSTRALIA

	Rank Value	
INFORMATION AND COMMUNICATIONS TECHNOLOGY	30	64.6
Infrastructure	26	71
Coverage	8	80.6
3G/4G mobile network coverage (% population)	36	99.4
Secure Internet servers per 1 million population	18	84.2
Investment in telecommunication services (% GDP)	8	58.2
Quality	43	40.7
Mobile upload and download speeds	20	36
Fixed-broadband upload and download speeds	74	18.1
Fixed-broadband subscriptions by speed per hundred people	33	67.9
Affordability	30	91.6
Fixed broadband basket (% GNI per capita)	39	76.8
Mobile broadband basket (% GNI per capita)	25	98
Internet and telephony competition	1	100
Access	32	57.2
Subscriptions	25	71.4
Active mobile-broadband subscriptions per hundred inhabitants	19	62.1
International Internet bandwidth per user	80	55.2
Households with Internet access at home (%)	12	97
Skills and employment	36	43
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	38	35.8
ICT employment (%)	31	50.2
Usage	29	65.5
Services	27	65.5
Government online services	13	92.2
Fixed broadband Internet traffic per subscription	23	49.6
Mobile broadband Internet traffic per subscription	48	25.8
Internet users (%)	22	94.3
Outcomes	26	65.6
ICT PCT patent applications (per 100 billion GDP)	27	65
E-participation	20	86.3
Internet activities by individuals (%)	19	78.4
Trade in digitally deliverable services (% total trade)	72	32.8
ECONOMY	17	67.1
Economic competitiveness	2	78.8
Infrastructure investment	9	67.9
Gross fixed capital formation (% GDP)	62	40.7
Logistics performance	17	67.5
Transport productive capacity	17	70.3
Building quality control	8	93.3
Business agility	3	89.7
Ease of starting a business	6	96.6
Insolvency recovery rate	14	89.9
Entrepreneurial employee activity rate	5	72.3
Extent of corporate transparency	1	100
Economic openness	38	62.1
Trade and diversification	106	44.1
Trade (% GDP)	115	8.3
High-technology trade (% total trade)	52	21.3
Product concentration	92	68.6
Market concentration	109	78.1
Financial openness	14	80.2
Chinn-Ito financial openness	1	100
Foreign direct investment, net inflows (% GDP)	66	40.6
Debt dynamics	1	100
Financing and domestic value added	29	60.2
Financing and taxes	34	65.2
Domestic credit to private sector (% GDP)	11	51.5
MSME financing gap (% GDP)	n/a	n/a
Tax and contribution rate (% profit)	110	47
Bank non-performing loans (%)	8	97
Domestic value added	42	55.3
Medium- and high-tech activities value added	48	31.3
Industry and services value added (% GDP)	16	82.8
Labour underutilization rate	83	64.8
Output per worker	23	42.3

	Rank Value	
ENABLING ENVIRONMENT	17	76
Governance	9	90.3
Political environment	12	87.4
Peace and stability	13	81.6
Voice and accountability	14	93.2
Quality of institutions	12	93.1
Rule of law	15	91
Control of corruption	11	95.3
Government effectiveness	13	92.9
Socio-economic	25	72.3
Gender equity	22	82
Female-to-male ratio in parliament	33	61.3
Female-to-male labour force participation	36	85.9
Female-to-male ratio in Internet usage	51	99
Social inclusion	20	90.3
Social protection coverage (% population)	28	93.8
Adult literacy rate	n/a	n/a
Youth not in employment, education or training (%)	22	86.7
Standard of living	56	44.5
Poverty headcount ratio (% population)	n/a	n/a
GDP per capita	18	44.5
Health and environment	59	65.5
Health	9	91.6
Universal health coverage	9	86.8
Healthy life expectancy (years)	12	89.5
Under-five mortality rate	25	98.4
Environmental performance	129	39.4
Renewable energy consumption (%)	104	12.8
Ecological footprint per capita	123	52.5
Natural hazard exposure	103	53

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