



GKI RANK 86 /141

GKI SCORE 44.6

WORLD AVERAGE 47.8

COUNTRY PERFORMANCE SUMMARY

Guyana is a modest performer in terms of its knowledge infrastructure. It ranks 86th out of 141 countries in the Global Knowledge Index 2024 and 25th out of the 35 countries with high human development.

GUYANA

KEY INDICATORS

GDP (US\$ billions): 40.539

Population: 826,353

HDI: 0.742

AREAS OF STRENGTH

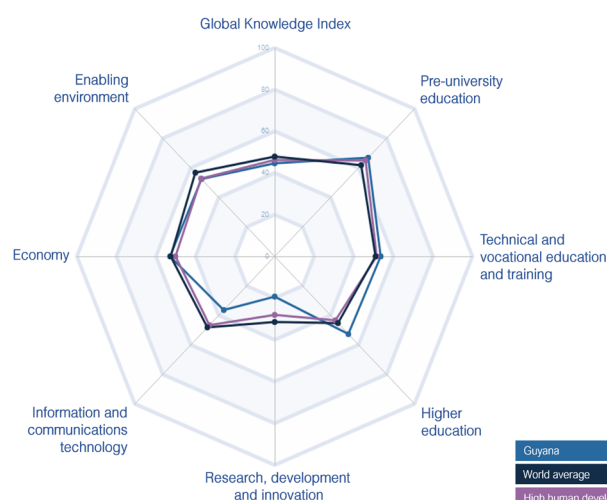
- + Output per worker
- + Foreign direct investment, net inflows (% GDP)
- + Enrolment in vocational education, gender parity
- + MSME financing gap (% GDP)
- + Firms offering formal training (%)

AREAS OF IMPROVEMENT

- Share of students enrolled in secondary vocational programmes
- Research institutions prominence
- ISO 14001 environmental certificates (per billion GDP)
- Youth not in employment, education or training (%)
- Product concentration

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	73	66.9
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	59	53.6
HIGHER EDUCATION	40	52.7
RESEARCH, DEVELOPMENT AND INNOVATION	129	19.3
INFORMATION AND COMMUNICATIONS TECHNOLOGY	103	36.4
ECONOMY	62	52.9
ENABLING ENVIRONMENT	79	52.4



GKI PILLARS





GUYANA

	Rank Value	
PRE-UNIVERSITY EDUCATION	73	66.9
Knowledge capital	100	54
Enrolment	111	64.8
Net enrolment rate in primary education	114	71.3
Net enrolment rate in lower secondary education	109	65.4
Net enrolment rate in upper secondary education	99	57.8
Completion	99	54.4
Years of compulsory education in primary and secondary	121	46.2
Completion rate in upper secondary education	65	62.6
Gross intake ratio to the last grade of lower secondary education	n/a	n/a
Outcomes	75	43
Assessment of 15-year-old students in math, science and reading	n/a	n/a
Learning-adjusted years of schooling	93	43
Educational enabling environment	12	79.8
Expenditure	n/a	n/a
Government expenditure on primary education (% GDP)	n/a	n/a
Government expenditure on secondary education (% GDP)	n/a	n/a
Government funding per primary student (% GDP per capita)	n/a	n/a
Government funding per secondary student (% GDP per capita)	n/a	n/a
Resources	61	87.3
Pupil-trained teacher ratio in primary education	51	86.7
Pupil-trained teacher ratio in secondary education	44	87.9
Schools with access to computers in primary education (%)	n/a	n/a
Schools with access to computers in secondary education (%)	n/a	n/a
Early learning	11	84.9
Gross enrolment ratio in early childhood education	9	78.9
Proportion of children who are developmentally on track	9	81.6
Proportion of children with stimulating home learning environments	6	89.2
Pupil-trained teacher ratio in pre-primary education	38	90
Equity and inclusiveness	64	67.3
Completion rate in upper secondary education, gender parity	87	78.5
Completion rate in upper secondary education, wealth parity	34	42.3
Completion rate in upper secondary education, location parity	50	81.2
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	59	53.6
TVET components	34	49.7
Continuous training and skilling	31	55
Firms offering formal training (%)	7	78.5
Labour force participation rate with short-cycle tertiary education	25	81.5
Participation rate in formal and non-formal education and training	126	5
TVET structure	63	50
Government expenditure on vocational education (%)	n/a	n/a
Share of students enrolled in secondary vocational programmes	126	0
Share of students enrolled in post-secondary vocational programmes	1	100
TVET quality and qualifications	55	44.1
Extent of staff training	93	52.9
Quality of vocational training	76	52.6
Ratio of high-skill TVET occupations earnings to average wage	45	29.4
Ratio of medium-skill TVET occupations earnings to average wage	14	41.7
TVET labour market	88	57.5
Efficiency of the labour market	130	48.7
Firms constrained with inadequately educated workforce (%)	124	19.4
Employment educational mismatch (%)	58	66.4
Proportion of skilled production workers	n/a	n/a
Unemployment rate with vocational education	100	60.4
Post-TVET employment	87	40.4
Share of TVET occupations	91	47.6
Manufacturing employment (%)	69	33.2
Equity and inclusiveness	34	83.3
Enrolment in vocational education, gender parity	4	97.2
Vulnerable employment rate	70	69.3

	Rank Value	
HIGHER EDUCATION	40	52.7
Inputs	n/a	n/a
Expenditure	n/a	n/a
Government expenditure per tertiary student	n/a	n/a
Teaching staff compensation (% tertiary expenditure)	n/a	n/a
Enrolment	n/a	n/a
Enrolment in bachelor's or equivalent level (%)	n/a	n/a
Enrolment in master's, doctoral or equivalent (%)	n/a	n/a
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	33	62.5
Diversity and academic freedom	7	76
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	n/a	n/a
Academic freedom	65	76
Equity and inclusiveness	29	49
Gross attendance ratio for tertiary education, gender parity	19	90.9
Gross attendance ratio for tertiary education, wealth parity	44	6.6
Gross attendance ratio for tertiary education, location parity	18	49.4
Outputs	87	42.9
Attainment	123	3.4
Educational attainment rate, bachelor's or equivalent	116	7.1
Educational attainment rate, master's or equivalent	112	1.5
Educational attainment rate, doctoral or equivalent	102	1.7
Employment	76	79.3
Labour force participation rate with advanced education	57	78.7
Unemployment rate with advanced education	85	80
Impact	46	45.9
University-industry collaboration in R&D	72	45.9
Citable documents per R&D personnel in higher education	n/a	n/a
RESEARCH, DEVELOPMENT AND INNOVATION	129	19.3
Inputs	93	23.2
Inputs of R&D institutions	n/a	n/a
GERD (% GDP)	n/a	n/a
GERD per researcher	n/a	n/a
Researchers per thousand labour force	n/a	n/a
Tertiary graduates from STEM programmes (%)	n/a	n/a
Inputs of RDI in business enterprises	n/a	n/a
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 (%)	n/a	n/a
Inputs of societal innovation	108	23.2
High-skilled employment (%)	79	26.2
Intellectual property payments (% total trade)	121	0.2
State of cluster development	94	43.1
Outputs	120	24.9
Outputs of R&D institutions	74	35.8
Average documents per researcher	n/a	n/a
Citations per document	135	9.2
Resident patent applications (per 100 billion GDP)	29	62.4
Outputs of RDI in business enterprises	137	7.1
Intellectual property receipts (% total trade)	110	1.7
Industrial design applications (per 100 billion GDP)	120	17.1
PCT applications (per 100 billion GDP)	68	2.4
Firms producing new products and services (%)	n/a	n/a
Outputs of societal innovation	119	21.1
Trademark applications (per 100 billion GDP)	134	0.5
Cultural goods exports (% exports)	116	41.8
Printing and publishing output (% manufactured output)	n/a	n/a
Impact	138	9.8
Quality	115	13.1
Research institutions prominence	122	0
Growth of innovative companies	53	50.8
ISO 9001 quality certificates (per billion GDP)	118	1.6
ISO 14001 environmental certificates (per billion GDP)	141	0
Linkages	n/a	n/a
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (per billion GDP)	n/a	n/a
Computer software spending (% GDP)	n/a	n/a
Business development	133	6.4
New business density per thousand population	78	6.4
Firms with products and services new to the market (%)	n/a	n/a



GUYANA

	Rank Value	
INFORMATION AND COMMUNICATIONS TECHNOLOGY	103	36.4
Infrastructure	118	37.1
Coverage	120	36.3
3G/4G mobile network coverage (% population)	125	55.6
Secure Internet servers per 1 million population	114	31.4
Investment in telecommunication services (% GDP)	76	22
Quality	87	13
Mobile upload and download speeds	76	10.9
Fixed-broadband upload and download speeds	66	23
Fixed-broadband subscriptions by speed per hundred people	99	5
Affordability	119	62
Fixed broadband basket (% GNI per capita)	59	70.6
Mobile broadband basket (% GNI per capita)	83	90.5
Internet and telephony competition	132	25
Access	114	26.6
Subscriptions	102	47.8
Active mobile-broadband subscriptions per hundred inhabitants	128	14.7
International Internet bandwidth per user	42	60.7
Households with Internet access at home (%)	92	68
Skills and employment	123	5.4
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	n/a	n/a
ICT employment (%)	92	5.4
Usage	76	45.4
Services	45	59.1
Government online services	127	34.5
Fixed broadband Internet traffic per subscription	n/a	n/a
Mobile broadband Internet traffic per subscription	n/a	n/a
Internet users (%)	61	83.7
Outcomes	101	31.7
ICT PCT patent applications (per 100 billion GDP)	29	64.4
E-participation	127	21.9
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	130	8.8
ECONOMY	62	52.9
Economic competitiveness	114	41.8
Infrastructure investment	140	29.3
Gross fixed capital formation (% GDP)	n/a	n/a
Logistics performance	116	35
Transport productive capacity	102	26.1
Building quality control	139	26.7
Business agility	73	54.2
Ease of starting a business	89	85.6
Insolvency recovery rate	116	20
Entrepreneurial employee activity rate	n/a	n/a
Extent of corporate transparency	78	57.1
Economic openness	55	57.1
Trade and diversification	137	28.4
Trade (% GDP)	n/a	n/a
High-technology trade (% total trade)	136	2.9
Product concentration	140	15.1
Market concentration	125	67.2
Financial openness	5	85.8
Chinn-Ito financial openness	55	71.6
Foreign direct investment, net inflows (% GDP)	1	100
Debt dynamics	n/a	n/a
Financing and domestic value added	31	59.9
Financing and taxes	76	57.8
Domestic credit to private sector (% GDP)	117	8.1
MSME financing gap (% GDP)	4	95.4
Tax and contribution rate (% profit)	42	69.9
Bank non-performing loans (%)	n/a	n/a
Domestic value added	21	62
Medium- and high-tech activities value added	n/a	n/a
Industry and services value added (% GDP)	48	76.5
Labour underutilization rate	124	31.3
Output per worker	3	78.3

	Rank Value	
ENABLING ENVIRONMENT	79	52.4
Governance	67	47.2
Political environment	60	51.1
Peace and stability	65	47.2
Voice and accountability	58	55.1
Quality of institutions	79	43.2
Rule of law	85	41
Control of corruption	71	45.3
Government effectiveness	81	43.4
Socio-economic	79	54.6
Gender equity	93	64.4
Female-to-male ratio in parliament	26	65
Female-to-male labour force participation	113	63.7
Female-to-male ratio in Internet usage	n/a	n/a
Social inclusion	82	62.1
Social protection coverage (% population)	1	100
Adult literacy rate	66	86.3
Youth not in employment, education or training (%)	140	0
Standard of living	77	37.2
Poverty headcount ratio (% population)	n/a	n/a
GDP per capita	27	37.2
Health and environment	123	55.5
Health	96	65.5
Universal health coverage	56	75.9
Healthy life expectancy (years)	115	42
Under-five mortality rate	99	78.6
Environmental performance	119	45.5
Renewable energy consumption (%)	107	12.6
Ecological footprint per capita	105	66
Natural hazard exposure	90	58

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