



ZIMBABWE

KEY INDICATORS

GDP (US\$ billions): **37.725**

Population: **14,862,927**

HDI: **0.571**

GKI RANK 105/123

GKI SCORE 33.56

WORLD AVERAGE 48.6

COUNTRY PERFORMANCE SUMMARY

Zimbabwe is a weak performer in terms of its knowledge infrastructure. It ranks 105th out of 123 countries in the Global Knowledge Index 2021 and 17th out of the 20 countries with medium human development.

AREAS OF STRENGTH

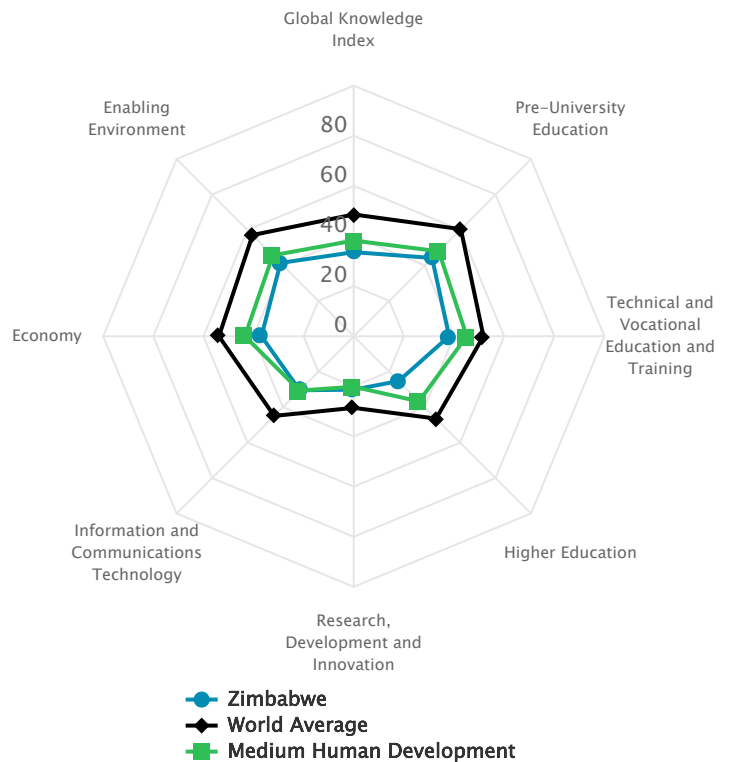
- + Gross attendance ratio for tertiary education, gender parity
- + Researchers in higher education (%)
- + Ratio of medium-skill TVET occupations earnings to average wage
- + Cultural goods exports (% exports)
- + Government expenditure on primary education (% GDP)

AREAS OF IMPROVEMENT

- Gross attendance ratio for tertiary education, wealth parity
- Labour force participation rate with advanced education
- Gross fixed capital formation (% GDP)
- Industry and services value added (% GDP)
- Mobile broadband basket (% GNI per capita)

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	95	44.19
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	108	38.04
HIGHER EDUCATION	118	25.29
RESEARCH, DEVELOPMENT AND INNOVATION	88	21.31
INFORMATION AND COMMUNICATIONS TECHNOLOGY	91	30.49
ECONOMY	116	36.85
ENABLING ENVIRONMENT	107	41.37





ZIMBABWE

	Rank	Value
Pre-University Education	95	44.19
Knowledge capital	96	44.77
Enrolment	93	63.13
Net enrolment rate in primary education	102	47.86
Net enrolment rate in lower secondary education	41	96.87
Net enrolment rate in upper secondary education	91	44.65
Completion	104	27.91
Years of compulsory education in primary and secondary	103	25
Completion rate in upper secondary education	106	6.67
Gross intake ratio to the last grade of lower secondary education	88	52.07
Outcomes	73	43.27
Assessment of 15-year-old students in math, science and reading	N/A	N/A
Learning-adjusted years of schooling	81	43.27
Educational enabling environment	94	43.6
Expenditure	25	41.11
Government expenditure on primary education (% GDP)	6	69.96
Government expenditure on secondary education (% GDP)	51	29.67
Government funding per primary student (% GDP per capita)	59	28.75
Government funding per secondary student (% GDP per capita)	37	36.06
Resources	77	54.22
Pupil-trained teacher ratio in primary education	54	66.06
Pupil-trained teacher ratio in secondary education	48	66.11
Schools with access to computers in primary education (%)	60	33.11
Schools with access to computers in secondary education (%)	66	51.58
Early learning	85	47.9
Gross enrolment ratio in early childhood education	35	63.61
Proportion of children who are developmentally on track	31	54.17
Proportion of children with stimulating home learning environments	44	25.99
Pupil-trained teacher ratio in pre-primary education	59	47.85
Equity and inclusiveness	98	31.19
Completion rate in upper secondary education, gender parity	93	70.69
Completion rate in upper secondary education, wealth parity	99	2.19
Completion rate in upper secondary education, location parity	92	20.68
Technical and Vocational Education and Training	108	38.04
TVET components	89	37.5
TVET structure	84	27.33
Government expenditure on vocational education (%)	40	27.33
Share of students enrolled in secondary vocational programmes	N/A	N/A
Share of students enrolled in post-secondary vocational programmes	N/A	N/A
TVET quality and qualifications	10	62.76
Extent of staff training	70	47.44
Quality of vocational training	89	43.81
Ratio of high-skill TVET occupations earnings to average wage	14	70.76
Ratio of medium-skill TVET occupations earnings to average wage	5	89.06
Continuous training and skilling	99	22.4
Firms offering formal training (%)	60	30.24
Labour force with short-cycle tertiary education (%)	69	14.56
Participation rate in formal and non-formal education and training	N/A	N/A
TVET labour market	106	38.59
Efficiency of the labour market	42	70.24
Firms constrained with inadequately educated workforce (%)	7	89.69
Employment educational mismatch (%)	65	56.92
Proportion of skilled production workers	12	81.43
Unemployment rate with vocational education	88	52.92
Post-TVET employment	109	17.94
Share of TVET occupations	118	11.47
Manufacturing employment (%)	99	24.42
Equity and inclusiveness	116	27.58
Enrolment in vocational education, gender parity	N/A	N/A
Vulnerable employment rate	102	27.58
Higher Education	118	25.29
Inputs	92	32.3
Expenditure	93	11.01
Government expenditure per tertiary student	66	11.01
Teaching staff compensation (% tertiary expenditure)	N/A	N/A

	Rank	Value
Information and Communications Technology	91	30.49
Infrastructure	102	34.06
Coverage	94	50.26
3G/4G mobile network coverage (% population)	103	54.14
Secure Internet servers per 1 million population	96	33.08
Investment in telecommunication services (% GDP)	13	63.56
Quality	109	4.26
Mobile upload and download speeds	85	8.26
Fixed-broadband upload and download speeds	76	3.81
Fixed-broadband subscriptions by speed per hundred people	96	0.71
Affordability	108	47.66
Fixed broadband basket (% GNI per capita)	93	76.8
Mobile broadband basket (% GNI per capita)	122	6.17
Internet and telephony competition	99	60
Access	78	26.29
Subscriptions	92	20.22
Active mobile-broadband subscriptions per hundred inhabitants	91	25.11
International Internet bandwidth per user	84	5.38
Households with Internet access at home (%)	89	30.17
Skills and employment	60	32.36
Individuals with standard ICT skills (%)	N/A	N/A
Tertiary graduates from ICT programmes (%)	11	60.91
ICT employment (%)	95	3.8
Usage	97	31.12
Services	106	22.52
Government online services	90	52.35
Fixed broadband Internet traffic per subscription	61	15.13
Mobile broadband Internet traffic per subscription	97	1.62
Internet users (%)	103	20.99
Outcomes	64	39.71
ICT PCT patent applications (per 100 billion GDP)	N/A	N/A
E-participation	97	45.24
Internet activities by individuals (%)	N/A	N/A
Trade in digitally deliverable services (% total trade)	71	34.18
Economy	116	36.85
Economic competitiveness	110	37.41
Infrastructure investment	121	30.19
Gross fixed capital formation (% GDP)	121	0
Logistics performance	117	28
Transport productive capacity	81	26.11
Building quality control	82	66.67
Business agility	90	44.63
Ease of starting a business	110	72
Insolvency recovery rate	106	19.04
Entrepreneurial employee activity rate	N/A	N/A
Extent of corporate transparency	76	42.86
Economic openness	96	45.7
Trade and diversification	113	39.67
Trade (% GDP)	117	3.25
High-technology trade (% total trade)	105	9.99
Product concentration	98	63.6
Market concentration	96	81.82
Financial openness	79	51.73
Chinn-Ito financial openness	68	41.69
Foreign direct investment, net inflows (% GDP)	72	63.5
Debt dynamics	55	50
Financing and domestic value added	120	27.45
Financing and taxes	111	38.05
Domestic credit to private sector (% GDP)	120	0.11
MSME financing gap (% GDP)	N/A	N/A
Tax and contribution rate (% profit)	38	75.99
Bank non-performing loans (%)	N/A	N/A
Domestic value added	121	16.84
Medium- and high-tech activities value added	65	24.92
Industry and services value added (% GDP)	123	0

Enrolment	100	4.53
Enrolment in bachelor's or equivalent level (%)	99	4.19
Enrolment in master's, doctoral or equivalent (%)	96	4.86
Resources	17	81.38
Pupil-teacher ratio in tertiary education	67	71.61
Researchers in higher education (%)	4	91.15
Learning environment	112	28.46
Diversity and academic freedom	115	20.4
Teachers in tertiary education, gender parity	80	42.26
Inbound mobility rate	94	1.65
Academic freedom	107	17.29
Equity and inclusiveness	50	36.52
Gross attendance ratio for tertiary education, gender parity	2	99.05
Gross attendance ratio for tertiary education, wealth parity	62	0
Gross attendance ratio for tertiary education, location parity	59	10.53
Outputs	123	15.1
Attainment	90	3.02
Educational attainment rate, bachelor's or equivalent	82	5.12
Educational attainment rate, master's or equivalent	80	2.19
Educational attainment rate, doctoral or equivalent	78	1.76
Employment	113	22.62
Labour force participation rate with advanced education	112	0
Unemployment rate with advanced education	103	45.24
Impact	114	19.66
University-industry collaboration in R&D	103	28.97
Citable documents per R&D personnel in higher education	82	10.34
Research, Development and Innovation	88	21.31
Inputs	71	25.12
Inputs of R&D institutions	55	28.5
GERD (% GDP)	N/A	N/A
GERD per researcher	N/A	N/A
Researchers per thousand labour force	77	1.16
Tertiary graduates from STEM programmes (%)	17	55.83
Inputs of RDI in business enterprises	64	24.52
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 (%)	44	24.52
Inputs of societal innovation	108	18.96
High-skilled employment (%)	45	23.79
Intellectual property payments (% total trade)	94	1.67
State of cluster development	110	31.43
Outputs	88	18.45
Outputs of R&D institutions	99	13.28
Average documents per researcher	72	21.29
Citations per document	78	17.29
Patent applications (per 100 billion GDP)	87	1.26
Outputs of RDI in business enterprises	77	13.36
Intellectual property receipts (% total trade)	65	2.22
Industrial design applications (per 100 billion GDP)	N/A	N/A
PCT applications (per 100 billion GDP)	77	1.08
Firms producing new goods and services (%)	65	36.77
Outputs of societal innovation	41	33.88
Trademark applications (per 100 billion GDP)	104	1.35
Cultural goods exports (% exports)	6	89.18
Printing and publishing output (% manufactured output)	78	11.13
Impact	88	20.36
Quality	92	15.62
Research institutions prominence	92	10.32
Growth of innovative companies	70	49.97
ISO 9001 quality certificates (% GDP)	120	0.24
ISO 14001 environmental certificates (% GDP)	91	1.94
Linkages	50	18.57
GERD financed from abroad (%)	N/A	N/A
Joint ventures per strategic alliance deals (per billion GDP)	29	19.57
Computer software spending (% GDP)	61	17.57
Business development	90	26.89
New business density per thousand population	51	11.92
Firms with new product/service (%)	77	41.86

Labour underutilization rate	106	40.59
Output per worker	110	1.85
Enabling Environment	107	41.37
Governance	119	12.38
Political environment	112	15.3
Peace and stability	107	13.21
Voice and accountability	106	17.39
Quality of institutions	120	9.46
Rule of law	120	7.69
Control of corruption	119	10.1
Government effectiveness	120	10.58
Socio-economic	85	50.03
Gender equity	51	71.42
Female-to-male ratio in parliament	43	46.74
Female-to-male labour force participation	24	87.86
Female-to-male ratio in Internet usage	86	79.67
Social inclusion	81	54.56
Social protection coverage (% population)	89	13.89
Adult literacy rate	64	85.47
Youth not in employment, education or training (%)	59	64.33
Standard of living	101	24.1
Poverty headcount ratio (% population)	86	46.55
GDP per capita	108	1.65
Health and environment	79	61.7
Health	104	45.68
Universal health coverage	94	54
Healthy life expectancy (years)	117	30.13
Under-five mortality rate	105	52.93
Environmental performance	11	77.71
Renewable energy consumption (%)	9	84.42
Ecological footprint per capita	15	96.7
Natural hazard exposure	79	52

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