

GKI RANK 8 /133

GKI SCORE 65.7

WORLD AVERAGE 47.5

UNITED KINGDOM

COUNTRY PERFORMANCE SUMMARY

United Kingdom is a leading performer in terms of its knowledge infrastructure. It ranks 8th out of 133 countries in the Global Knowledge Index 2023 and 8th out of the 61 countries with very high human development.

AREAS OF STRENGTH

- + Net enrolment rate in primary education
- + Computer software spending (% GDP)
- + New business density per thousand population
- + Research institutions prominence
- + High-skilled employment (%)

AREAS OF IMPROVEMENT

- Ratio of medium-skill TVET occupations earnings to average wage
- Building quality control
- Gross fixed capital formation (% GDP)
- Ratio of high-skill TVET occupations earnings to average wage
- Renewable energy consumption (%)

KEY INDICATORS

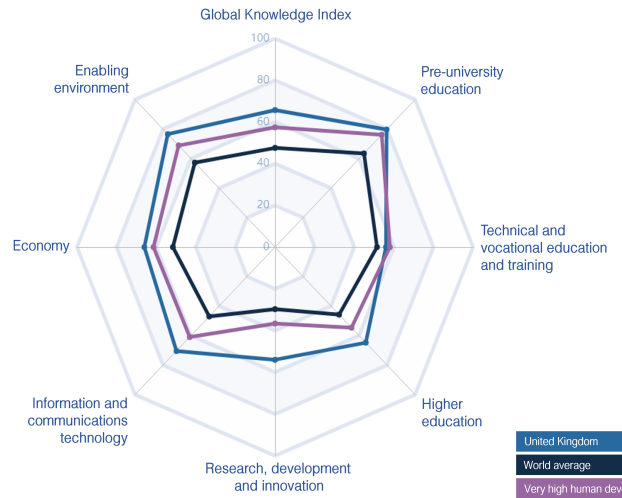
GDP (US\$ billions): 3,136.344

Population: 67,281,040

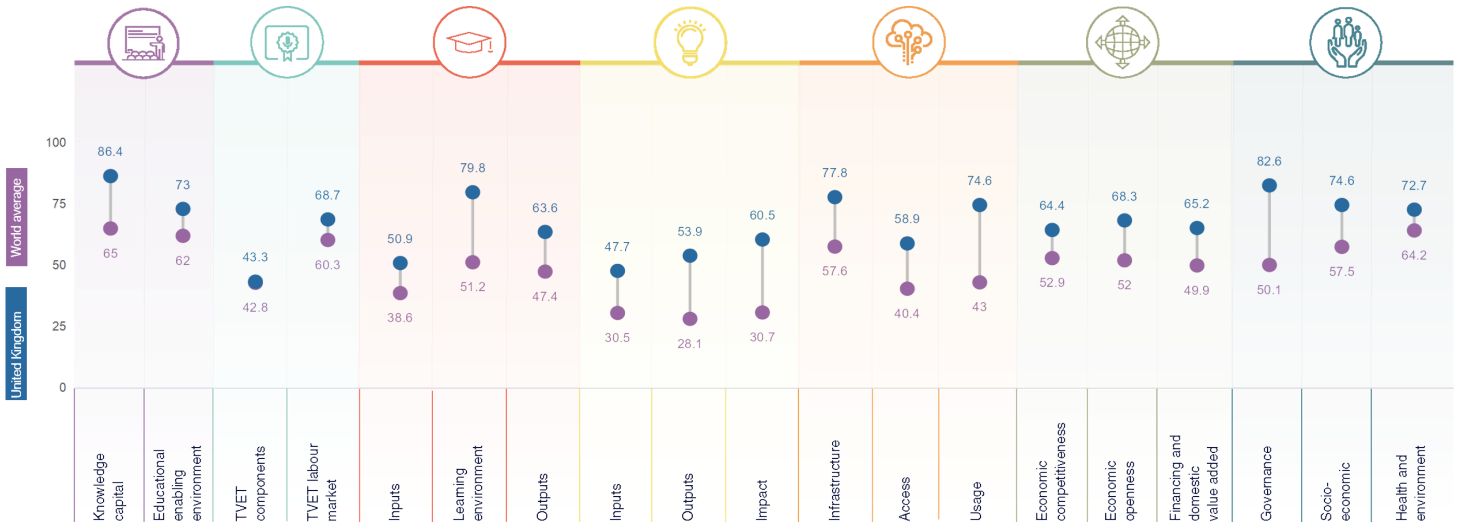
HDI: 0.929

SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	22	79.7
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	45	56
HIGHER EDUCATION	5	64.8
RESEARCH, DEVELOPMENT AND INNOVATION	4	54
INFORMATION AND COMMUNICATIONS TECHNOLOGY	12	70.4
ECONOMY	19	66
ENABLING ENVIRONMENT	17	76.6



GKI PILLARS





UNITED KINGDOM

Rank Value

Rank Value

PRE-UNIVERSITY EDUCATION	22	79.7
Knowledge capital	10	86.4
Enrolment	17	97.3
Net enrolment rate in primary education	2	100
Net enrolment rate in lower secondary education	44	97.7
Net enrolment rate in upper secondary education	29	94.3
Completion	28	80
Years of compulsory education in primary and secondary	30	84.6
Completion rate in upper secondary education	39	85.3
Gross intake ratio to the last grade of lower secondary education	43	70.1
Outcomes	10	81.8
Assessment of 15-year-old students in math, science and reading	10	76.2
Learning-adjusted years of schooling	10	87.5
Educational enabling environment	42	73
Expenditure	26	45.6
Government expenditure on primary education (% GDP)	30	41.6
Government expenditure on secondary education (% GDP)	37	38.5
Government funding per primary student (% GDP per capita)	21	62.1
Government funding per secondary student (% GDP per capita)	36	40.4
Resources	1	100
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 (%)	n/a	n/a
Schools with access to computers in secondary education (%)	1	100
Early learning	92	49.8
Gross enrolment ratio in early childhood education	58	49.8
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	16	96.7
Completion rate in upper secondary education, gender parity	55	93.4
Completion rate in upper secondary education, wealth parity	n/a	n/a
Completion rate in upper secondary education, location parity	1	100
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	45	56
TVET components	59	43.3
Continuous training and skilling	39	51.3
Firms offering formal training (%)	n/a	n/a
Labour force participation rate with short-cycle tertiary education	20	87.3
Participation rate in formal and non-formal education and training	79	15.4
TVET structure	76	39.5
Government expenditure on vocational education (%)	32	36.5
Share of students enrolled in secondary vocational programmes	25	42.4
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	95	39.1
Extent of staff training	31	65.3
Quality of vocational training	39	61.1
Ratio of high-skill TVET occupations earnings to average wage	90	13.8
Ratio of medium-skill TVET occupations earnings to average wage	106	16.1
TVET labour market	38	68.7
Efficiency of the labour market	24	76.2
Firms constrained with inadequately educated workforce (%)	n/a	n/a
Employment educational mismatch (%)	47	68.2
Proportion of skilled production workers	n/a	n/a
Unemployment rate with vocational education	58	84.2
Post-TVET employment	83	42.6
Share of TVET occupations	68	53.2
Manufacturing employment (%)	88	32.1
Equity and inclusiveness	19	87.2
Enrolment in vocational education, gender parity	32	87.4
Vulnerable employment rate	44	87

HIGHER EDUCATION	5	64.8
Inputs	20	50.9
Expenditure	26	39.1
Government expenditure per tertiary student	15	39.1
Teaching staff compensation (% tertiary expenditure)	n/a	n/a
Enrolment	30	47.5
Enrolment in bachelor's or equivalent level (%)	35	36.2
Enrolment in master's, doctoral or equivalent (%)	28	58.8
Resources	58	66.2
Pupil-teacher ratio in tertiary education	57	76.4
Researchers in higher education (%)	45	56
Learning environment	6	79.8
Diversity and academic freedom	10	79.8
Teachers in tertiary education, gender parity	31	86.6
Inbound mobility rate	7	70.3
Academic freedom	51	82.7
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	13	63.6
Attainment	12	55.6
Educational attainment rate, bachelor's or equivalent	4	78.6
Educational attainment rate, master's or equivalent	17	51.8
Educational attainment rate, doctoral or equivalent	17	36.4
Employment	9	89.1
Labour force participation rate with advanced education	15	85.8
Unemployment rate with advanced education	24	92.5
Impact	43	45.9
University-industry collaboration in R&D	10	68.9
Citable documents per R&D personnel in higher education	49	23
RESEARCH, DEVELOPMENT AND INNOVATION	4	54
Inputs	21	47.7
Inputs of R&D institutions	33	41
GERD (% GDP)	20	32
GERD per researcher	40	19.9
Researchers per thousand labour force	21	56.7
Tertiary graduates from STEM programmes (%)	61	55.3
Inputs of RDI in business enterprises	17	47.6
GERD performed by business enterprises (%)	16	27
GERD financed by business enterprises (%)	17	66.5
Researchers in business enterprises (%)	30	49.4
Firms that spend on R&D (%)	n/a	n/a
Inputs of societal innovation	10	61.3
High-skilled employment (%)	4	79.2
Intellectual property payments (% total trade)	15	40.9
State of cluster development	17	63.9
Outputs	4	53.9
Outputs of R&D institutions	29	44.6
Average documents per researcher	49	21.1
Citations per document	33	42.5
Resident patent applications (per 100 billion GDP)	13	70.1
Outputs of RDI in business enterprises	8	69.2
Intellectual property receipts (% total trade)	6	97.1
Industrial design applications (per 100 billion GDP)	9	71.2
PCT applications (per 100 billion GDP)	17	39.2
Firms producing new products and services (%)	n/a	n/a
Outputs of societal innovation	6	57.4
Trademark applications (per 100 billion GDP)	34	37.3
Cultural goods exports (% exports)	1	100
Printing and publishing output (% manufactured output)	16	34.9
Impact	1	60.5
Quality	7	55.5
Research institutions prominence	4	86.4
Growth of innovative companies	19	60.1
ISO 9001 quality certificates (per billion GDP)	20	34
ISO 14001 environmental certificates (per billion GDP)	17	41.3
Linkages	6	51.2
GERD financed from abroad (%)	29	27.5
Joint ventures per strategic alliance deals (per billion GDP)	10	56.9
Computer software spending (% GDP)	2	69.1
Business development	5	74.8
New business density per thousand population	3	74.8
Firms with products and services new to the market (%)	n/a	n/a



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	Rank	Value		Rank	Value
INFORMATION AND COMMUNICATIONS TECHNOLOGY			12 70.4		
Infrastructure			20 77.8		
Coverage	3	91.8			
3G/4G mobile network coverage (% population)	21	99.9			
Secure Internet servers per 1 million population	21	83.8			
Investment in telecommunication services (% GDP)	n/a	n/a			
Quality	37	44.8			
Mobile upload and download speeds	22	28.6			
Fixed-broadband upload and download speeds	41	22.1			
Fixed-broadband subscriptions by speed per hundred people	12	83.7			
Affordability	25	96.8			
Fixed broadband basket (% GNI per capita)	36	92.5			
Mobile broadband basket (% GNI per capita)	21	98			
Internet and telephony competition	1	100			
Access	17	58.9			
Subscriptions	16	69.4			
Active mobile-broadband subscriptions per hundred inhabitants	33	47.8			
International Internet bandwidth per user	15	65.2			
Households with Internet access at home (%)	17	95.2			
Skills and employment	21	48.4			
Individuals with standard ICT skills (%)	12	67.2			
Tertiary graduates from ICT programmes (%)	73	26.1			
ICT employment (%)	17	51.8			
Usage	9	74.6			
Services	8	77.8			
Government online services	15	88.6			
Fixed broadband Internet traffic per subscription	13	48.2			
Mobile broadband Internet traffic per subscription	n/a	n/a			
Internet users (%)	13	96.5			
Outcomes	9	71.5			
ICT PCT patent applications (per 100 billion GDP)	18	40.7			
E-participation	5	95.5			
Internet activities by individuals (%)	21	73.9			
Trade in digitally deliverable services (% total trade)	6	76			
ECONOMY			19 66		
Economic competitiveness			27 64.4		
Infrastructure investment	54	51.4			
Gross fixed capital formation (% GDP)	104	14.1			
Logistics performance	17	67.5			
Transport productive capacity	32	64.1			
Building quality control	105	60			
Business agility	14	77.3			
Ease of starting a business	16	94.6			
Insolvency recovery rate	12	92.9			
Entrepreneurial employee activity rate	26	36.1			
Extent of corporate transparency	13	85.7			
Economic openness	18	68.3			
Trade and diversification	35	58.3			
Trade (% GDP)	89	12.1			
High-technology trade (% total trade)	25	40.1			
Product concentration	29	86			
Market concentration	17	94.9			
Financial openness	18	78.3			
Chinn-Ito financial openness	1	100			
Foreign direct investment, net inflows (% GDP)	73	34.8			
Debt dynamics	1	100			
Financing and domestic value added	14	65.2			
Financing and taxes	15	73.4			
Domestic credit to private sector (% GDP)	11	48.2			
MSME financing gap (% GDP)	n/a	n/a			
Tax and contribution rate (% profit)	41	77			
Bank non-performing loans (%)	10	95.1			
Domestic value added	23	57			
Medium- and high-tech activities value added	19	54.8			
Industry and services value added (% GDP)	29	56.4			
Labour underutilization rate	48	77.5			
Output per worker	23	39.2			
ENABLING ENVIRONMENT			17 76.6		
Governance			19 82.6		
Political environment	23	75.8			
Peace and stability	41	62.3			
Voice and accountability	18	89.4			
Quality of institutions	18	89.3			
Rule of law	15	92.9			
Control of corruption	22	85.8			
Government effectiveness	17	89.2			
Socio-economic			18 74.6		
Gender equity	29	80			
Female-to-male ratio in parliament	41	52.8			
Female-to-male labour force participation	20	88.2			
Female-to-male ratio in Internet usage	39	99.1			
Social inclusion	33	87			
Social protection coverage (% population)	27	91.9			
Adult literacy rate	n/a	n/a			
Youth not in employment, education or training (%)	31	82.2			
Standard of living	25	56.7			
Poverty headcount ratio (% population)	47	73.1			
GDP per capita	25	40.2			
Health and environment			13 72.7		
Health			21 91.4		
Universal health coverage	7	87.8			
Healthy life expectancy (years)	27	88.3			
Under-five mortality rate	30	98.1			
Environmental performance			61 54		
Renewable energy consumption (%)	97	14			
Ecological footprint per capita	81	72			
Natural hazard exposure	23	76			

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