






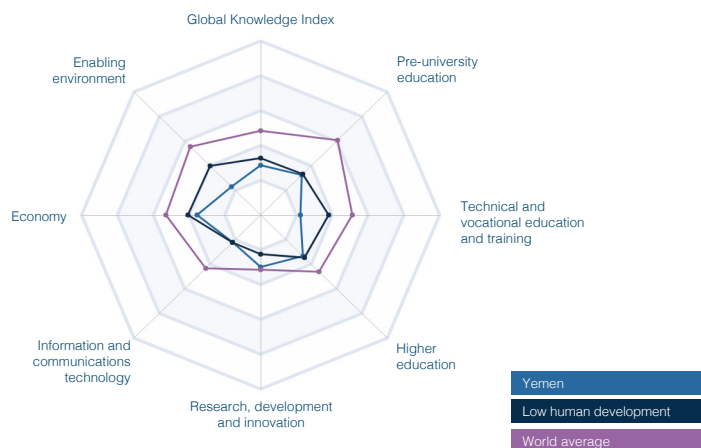


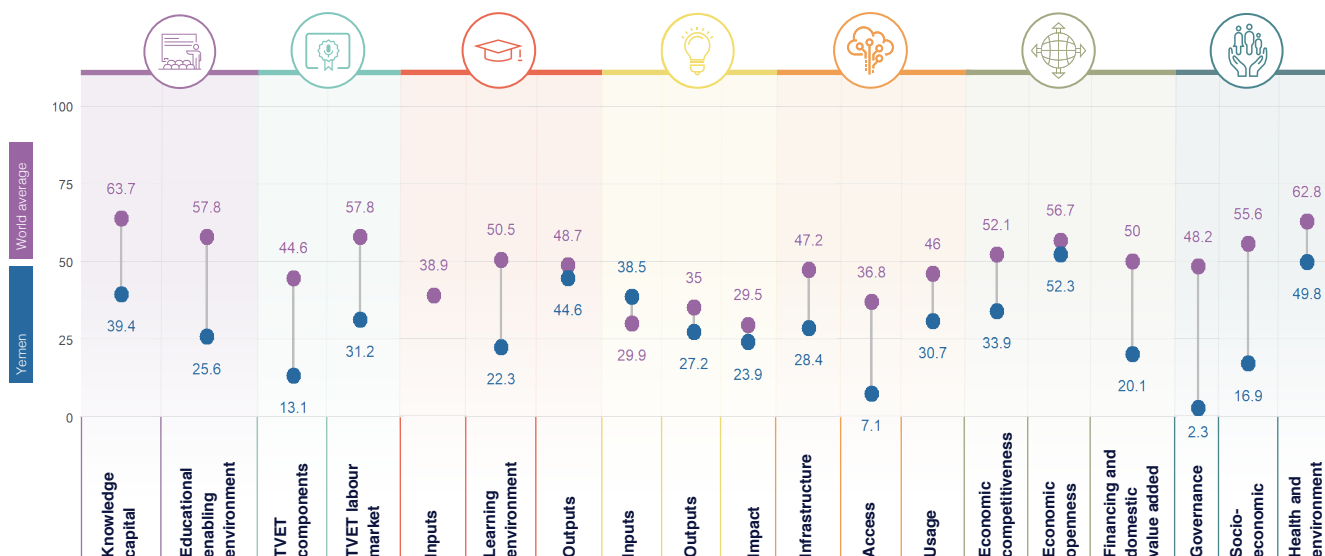


SECTORAL INDICES

	RANK	VALUE
 PRE-UNIVERSITY EDUCATION	143	32.5
 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	154	22.2
 HIGHER EDUCATION	132	33.4
 RESEARCH, DEVELOPMENT AND INNOVATION	79	29.9
 INFORMATION AND COMMUNICATIONS TECHNOLOGY	142	22.1
 ECONOMY	148	35.5
 ENABLING ENVIRONMENT	154	23



GKI PILLARS





YEMEN

	Rank	Value
PRE-UNIVERSITY EDUCATION	143	32.5
Knowledge capital	132	39.4
Enrolment	131	49.1
Net enrolment rate in primary education	126	52.5
Net enrolment rate in lower secondary education	113	60.4
Net enrolment rate in upper secondary education	117	34.5
Completion	113	50.5
Years of compulsory education in primary and secondary	67	69.2
Completion rate in upper secondary education	89	44.8
Gross intake ratio to the last grade of lower secondary education	116	37.4
Outcomes	142	18.6
Assessment of 15-year-old students in math, science and reading	n/a	n/a
Learning-adjusted years of schooling	142	18.6
Educational enabling environment	149	25.6
Expenditure	68	32.7
Government expenditure on primary education (% GDP)	13	62.2
Government expenditure on secondary education (% GDP)	112	11.7
Government funding per primary student (% GDP per capita)	47	43.3
Government funding per secondary student (% GDP per capita)	103	13.8
Resources	n/a	n/a
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 (%)	n/a	n/a
Early learning	144	0
Gross enrolment ratio in early childhood education	133	0
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	102	44.2
Completion rate in upper secondary education, gender parity	117	64.4
Completion rate in upper secondary education, wealth parity	86	18
Completion rate in upper secondary education, location parity	79	50.2
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	154	22.2
TVET components	153	13.1
Continuous training and skilling	143	8.9
Firms offering formal training (%)	114	16
Labour force with short-cycle tertiary education (%)	n/a	n/a
Participation rate in formal and non-formal education and training	82	1.8
TVET structure	148	0.4
Government expenditure on vocational education (%)	n/a	n/a
Share of students enrolled in secondary vocational programmes	136	0.4
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	146	30
Extent of staff training	144	31.8
Quality of vocational training	137	28.1
Ratio of high-skill TVET occupations earnings to average wage	n/a	n/a
Ratio of medium-skill TVET occupations earnings to average wage	n/a	n/a
TVET labour market	147	31.2
Efficiency of the labour market	137	41.9
Firms constrained with inadequately educated workforce (%)	87	49.1
Employment educational mismatch (%)	86	45.2
Proportion of skilled production workers	113	18.2
Unemployment rate with vocational education	103	55
Post-TVET employment	130	24.5
Share of TVET occupations	117	35.1
Manufacturing employment (%)	138	13.8
Equity and inclusiveness	141	27.4
Enrolment in vocational education, gender parity	120	5.6
Vulnerable employment rate	107	49.2

	Rank	Value
HIGHER EDUCATION	132	33.4
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	148	22.3
Diversity and academic freedom	151	14.5
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	59	15
Academic freedom	135	13.9
Equity and inclusiveness	76	30.2
Gross attendance ratio for tertiary education, gender parity	83	54.2
Gross attendance ratio for tertiary education, wealth parity	50	29
Gross attendance ratio for tertiary education, location parity	47	7.5
Outputs	96	44.6
Attainment	n/a	n/a
Educational attainment rate, bachelor's or equivalent	n/a	n/a
Educational attainment rate, master's or equivalent	n/a	n/a
Educational attainment rate, doctorate or equivalent	n/a	n/a
Employment	79	71.4
Labour force participation rate with advanced education	13	87.2
Unemployment rate with advanced education	116	55.7
Impact	143	17.7
University-industry collaboration in R&D	144	17.7
Citable documents per R&D personnel in higher education	n/a	n/a
RESEARCH, DEVELOPMENT AND INNOVATION	79	29.9
Inputs	31	38.5
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	114	11.6
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 (%)	93	11.6
Inputs of societal innovation	13	65.4
High-skilled employment (%)	n/a	n/a
Intellectual property payments (% total trade)	1	100
State of cluster development	134	30.8
Outputs	107	27.2
Outputs of R&D institutions	102	33.5
Average documents per researcher	n/a	n/a
Citations per document	35	33.5
Patent applications (per 100 billion GDP)	n/a	n/a
Outputs of RDI in business enterprises	71	32.6
Intellectual property receipts (% total trade)	69	9
Industrial design applications (per 100 billion GDP)	n/a	n/a
PCT applications (per 100 billion GDP)	n/a	n/a
Firms producing new goods and services (%)	40	56.1



YEMEN

	Rank	Value
Outputs of societal innovation	121	9
Trademark applications (per 100 billion GDP)	n/a	n/a
Cultural goods exports (% exports)	120	1.4
Printing and publishing output (% manufactured output)	76	16.6
Impact	98	23.9
Quality	130	12.2
Research institutions prominence	101	5
Growth of innovative companies	116	41
ISO 9001 quality certificates (% GDP)	139	1.1
ISO 14001 environmental certificates (% GDP)	118	1.7
Linkages	128	4
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (% GDP)	107	3.8
Computer software spending (% GDP)	99	4.1
Business development	26	55.6
New business density per thousand population	n/a	n/a
Firms with new product/service (%)	97	55.6
INFORMATION AND COMMUNICATIONS TECHNOLOGY	142	22.1
Infrastructure	135	28.4
Coverage	145	20.3
3G/4G mobile network coverage (% population)	138	40.3
Secure Internet servers per 1 million population	151	0.2
Investment in telecommunication services (% GDP)	n/a	n/a
Quality	n/a	n/a
Mobile upload and download speeds	n/a	n/a
Fixed-broadband upload and download speeds	n/a	n/a
Fixed-broadband subscriptions by speed per hundred people	n/a	n/a
Affordability	147	36.6
Fixed broadband basket (% GNI per capita)	89	70.6
Mobile broadband basket (% GNI per capita)	142	22.5
Internet and telephony competition	149	16.7
Access	150	7.1
Subscriptions	150	7.1
Active mobile-broadband subscriptions per hundred inhabitants	152	1.4
International Internet bandwidth per user	141	13.9
Households with Internet access at home (%)	144	6
Skills and employment	n/a	n/a
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	n/a	n/a
ICT employment (%)	n/a	n/a
Usage	120	30.7
Services	113	27.5
Government online services	134	32.4
Fixed broadband Internet traffic per subscription	n/a	n/a
Mobile broadband Internet traffic per subscription	n/a	n/a
Internet users (%)	124	22.7
Outcomes	123	33.8
ICT PCT patent applications (per 100 billion GDP)	n/a	n/a
E-participation	135	31
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	80	36.7
ECONOMY	148	35.5
Economic competitiveness	143	33.9
Infrastructure investment	143	34.6
Gross fixed capital formation (% GDP)	n/a	n/a
Logistics performance	133	31.6
Transport productive capacity	100	22.2
Building quality control	134	50

	Rank	Value
Business agility	142	33.2
Ease of starting a business	132	76.8
Insolvency recovery rate	119	22.8
Entrepreneurial employee activity rate	n/a	n/a
Extent of corporate transparency	118	0
Economic openness	85	52.3
Trade and diversification	130	47.5
Trade (% GDP)	n/a	n/a
High-technology trade (% total trade)	78	44.4
Product concentration	144	29.7
Market concentration	138	68.4
Financial openness	71	57.1
Chinn-Ito financial openness	1	100
Foreign direct investment, net inflows (% GDP)	146	21.4
Debt dynamics	62	50
Financing and domestic value added	154	20.1
Financing and taxes	149	27.4
Domestic credit to private sector (% GDP)	151	1
MSME financing gap (% GDP)	108	0
Tax and contribution rate (% profit)	31	81.1
Bank non-performing loans (%)	n/a	n/a
Domestic value added	154	12.9
Medium- and high-tech activities value added	135	2.1
Industry and services value added (% GDP)	151	21.2
Labour underutilization rate	141	25.5
Output per worker	128	2.9
ENABLING ENVIRONMENT	154	23
Governance	154	2.3
Political environment	154	2.6
Peace and stability	153	0.9
Voice and accountability	152	4.3
Quality of institutions	154	1.9
Rule of law	151	3.4
Control of corruption	154	1.9
Government effectiveness	154	0.5
Socio-economic	154	16.9
Gender equity	154	0
Female-to-male ratio in parliament	151	0
Female-to-male labour force participation	153	0
Female-to-male ratio in Internet usage	n/a	n/a
Social inclusion	152	19.1
Social protection coverage (% population)	71	38.3
Adult literacy rate	n/a	n/a
Youth not in employment, education or training (%)	153	0
Standard of living	105	31.5
Poverty headcount ratio (% population)	115	31.5
GDP per capita	n/a	n/a
Health and environment	148	49.8
Health	130	45.9
Universal health coverage	136	42
Healthy life expectancy (years)	123	44.5
Under-five mortality rate	131	51.1
Environmental performance	72	53.8
Renewable energy consumption (%)	133	4.4
Ecological footprint per capita	1	100
Natural hazard exposure	79	57

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