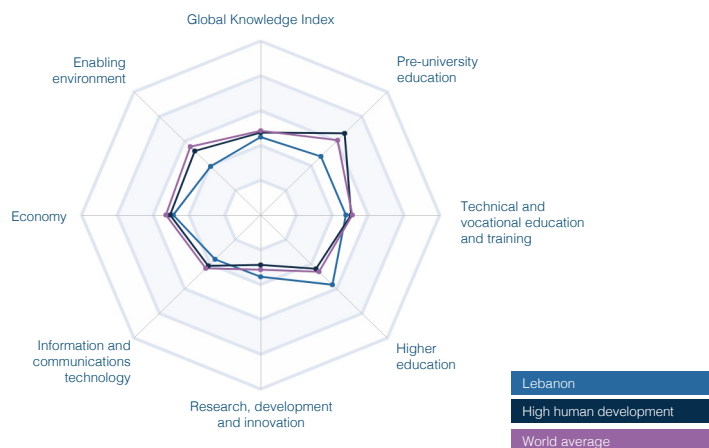


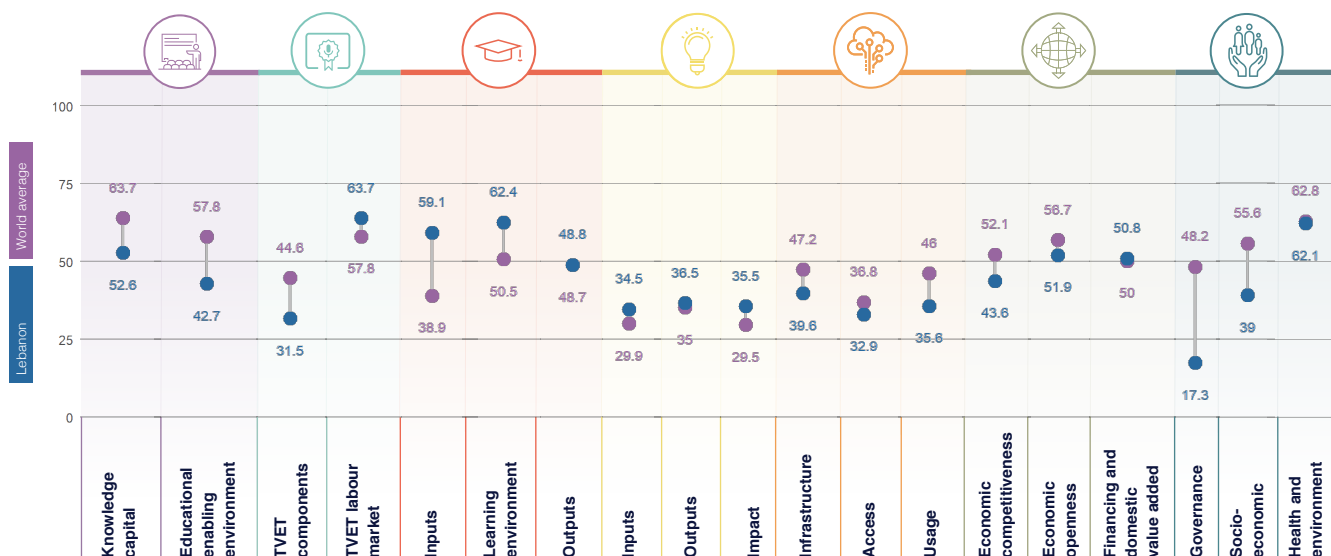


SECTORAL INDICES

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	116	47.6
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	89	47.6
HIGHER EDUCATION	31	56.7
RESEARCH, DEVELOPMENT AND INNOVATION	49	35.5
INFORMATION AND COMMUNICATIONS TECHNOLOGY	98	36
ECONOMY	92	48.8
ENABLING ENVIRONMENT	139	39.5



GKI PILLARS





LEBANON

	Rank	Value
PRE-UNIVERSITY EDUCATION	116	47.6
Knowledge capital	109	52.6
Enrolment	n/a	n/a
Net enrolment rate in primary education	n/a	n/a
Net enrolment rate in lower secondary education	n/a	n/a
Net enrolment rate in upper secondary education	n/a	n/a
Completion	64	76.9
Years of compulsory education in primary and secondary	42	76.9
Completion rate in upper secondary education	n/a	n/a
Gross intake ratio to the last grade of lower secondary education	n/a	n/a
Outcomes	115	28.2
Assessment of 15-year-old students in math, science and reading	71	17.4
Learning-adjusted years of schooling	104	38.9
Educational enabling environment	122	42.7
Expenditure	133	2
Government expenditure on primary education (% GDP)	n/a	n/a
Government expenditure on secondary education (% GDP)	130	1.6
Government funding per primary student (% GDP per capita)	n/a	n/a
Government funding per secondary student (% GDP per capita)	119	2.4
Resources	66	76.3
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 (%)	58	67.7
Schools with access to computers in secondary education (%)	63	84.9
Early learning	94	49.9
Gross enrolment ratio in early childhood education	n/a	n/a
Proportion of children who are developmentally on track	n/a	n/a
Proportion of children with stimulating home learning environments	43	49.9
Pupil-trained teacher ratio in pre-primary education	n/a	n/a
Equity and inclusiveness	n/a	n/a
Completion rate in upper secondary education, gender parity	n/a	n/a
Completion rate in upper secondary education, wealth parity	n/a	n/a
Completion rate in upper secondary education, location parity	n/a	n/a
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	89	47.6
TVET components	130	31.5
Continuous training and skilling	122	27
Firms offering formal training (%)	95	24.5
Labour force with short-cycle tertiary education (%)	86	29.6
Participation rate in formal and non-formal education and training	n/a	n/a
TVET structure	103	27.3
Government expenditure on vocational education (%)	n/a	n/a
Share of students enrolled in secondary vocational programmes	51	27.3
Share of students enrolled in post-secondary vocational programmes	n/a	n/a
TVET quality and qualifications	109	40.2
Extent of staff training	89	46.9
Quality of vocational training	106	43.1
Ratio of high-skill TVET occupations earnings to average wage	46	30.3
Ratio of medium-skill TVET occupations earnings to average wage	63	40.5
TVET labour market	59	63.7
Efficiency of the labour market	63	68.1
Firms constrained with inadequately educated workforce (%)	25	83
Employment educational mismatch (%)	62	63.5
Proportion of skilled production workers	60	61.5
Unemployment rate with vocational education	91	64.2
Post-TVET employment	38	55.3
Share of TVET occupations	15	73.8
Manufacturing employment (%)	69	36.8
Equity and inclusiveness	92	67.7
Enrolment in vocational education, gender parity	n/a	n/a
Vulnerable employment rate	79	67.7

	Rank	Value
HIGHER EDUCATION	31	56.7
Inputs	14	59.1
Expenditure	12	55.8
Government expenditure per tertiary student	72	11.6
Teaching staff compensation (% tertiary expenditure)	1	100
Enrolment	66	21.4
Enrolment in bachelor's or equivalent level (%)	66	23.7
Enrolment in master's, doctoral or equivalent (%)	57	19.2
Resources	1	100
Pupil-teacher ratio in tertiary education	1	100
Researchers in higher education (%)	n/a	n/a
Learning environment	40	62.4
Diversity and academic freedom	46	62.4
Teachers in tertiary education, gender parity	12	93.1
Inbound mobility rate	30	33.8
Academic freedom	92	60.2
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	72	48.8
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	117	54.4
Labour force participation rate with advanced education	112	52.2
Unemployment rate with advanced education	113	56.6
Impact	59	43.2
University-industry collaboration in R&D	60	43.2
Citable documents per R&D personnel in higher education	n/a	n/a
RESEARCH, DEVELOPMENT AND INNOVATION	49	35.5
Inputs	47	34.5
Inputs of R&D institutions	21	43.3
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 (%)	52	43.3
Inputs of RDI in business enterprises	103	13.8
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 (%)	82	13.8
Inputs of societal innovation	60	37.7
High-skilled employment (%)	12	63.1
Intellectual property payments (% total trade)	117	1
State of cluster development	54	48.8
Outputs	66	36.5
Outputs of R&D institutions	68	42.9
Average documents per researcher	n/a	n/a
Citations per document	35	33.5
Patent applications (per 100 billion GDP)	63	52.3
Outputs of RDI in business enterprises	121	21
Intellectual property receipts (% total trade)	48	15.3
Industrial design applications (per 100 billion GDP)	n/a	n/a
PCT applications (per 100 billion GDP)	94	39.4
Firms producing new goods and services (%)	114	8.3



LEBANON

	Rank	Value
Outputs of societal innovation	28	39
Trademark applications (per 100 billion GDP)	103	7.4
Cultural goods exports (% exports)	8	70.6
Printing and publishing output (% manufactured output)	n/a	n/a
Impact	48	35.5
Quality	70	24.9
Research institutions prominence	63	14.2
Growth of innovative companies	71	50.7
ISO 9001 quality certificates (% GDP)	42	28.6
ISO 14001 environmental certificates (% GDP)	82	6.1
Linkages	123	4.6
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (% GDP)	82	6.7
Computer software spending (% GDP)	108	2.4
Business development	10	77
New business density per thousand population	n/a	n/a
Firms with new product/service (%)	20	77
INFORMATION AND COMMUNICATIONS TECHNOLOGY	98	36
Infrastructure	97	39.6
Coverage	42	51
3G/4G mobile network coverage (% population)	38	99.3
Secure Internet servers per 1 million population	93	2.9
Investment in telecommunication services (% GDP)	24	50.9
Quality	78	17.8
Mobile upload and download speeds	24	42.4
Fixed-broadband upload and download speeds	91	4.7
Fixed-broadband subscriptions by speed per hundred people	97	6.2
Affordability	126	50.1
Fixed broadband basket (% GNI per capita)	72	75.4
Mobile broadband basket (% GNI per capita)	117	43
Internet and telephony competition	145	31.8
Access	90	32.9
Subscriptions	77	47.5
Active mobile-broadband subscriptions per hundred inhabitants	98	27.5
International Internet bandwidth per user	110	30.6
Households with Internet access at home (%)	47	84.5
Skills and employment	103	18.2
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	107	14.8
ICT employment (%)	56	21.6
Usage	103	35.6
Services	97	38.1
Government online services	122	41.8
Fixed broadband Internet traffic per subscription	33	30.8
Mobile broadband Internet traffic per subscription	106	2.7
Internet users (%)	59	77
Outcomes	124	33.1
ICT PCT patent applications (per 100 billion GDP)	68	41.1
E-participation	130	33.3
Internet activities by individuals (%)	n/a	n/a
Trade in digitally deliverable services (% total trade)	112	25
ECONOMY	92	48.8
Economic competitiveness	111	43.6
Infrastructure investment	104	45.2
Gross fixed capital formation (% GDP)	142	17.5
Logistics performance	80	42.9
Transport productive capacity	69	26.9
Building quality control	8	93.3

	Rank	Value
Business agility	114	42
Ease of starting a business	127	78.2
Insolvency recovery rate	94	33.4
Entrepreneurial employee activity rate	52	13.4
Extent of corporate transparency	89	42.9
Economic openness	88	51.9
Trade and diversification	69	59.8
Trade (% GDP)	74	28.7
High-technology trade (% total trade)	92	41.5
Product concentration	78	74.4
Market concentration	20	94.7
Financial openness	95	44.1
Chinn-Ito financial openness	78	44.8
Foreign direct investment, net inflows (% GDP)	30	50.9
Debt dynamics	133	36.6
Financing and domestic value added	72	50.8
Financing and taxes	83	57.1
Domestic credit to private sector (% GDP)	25	40.4
MSME financing gap (% GDP)	31	77.5
Tax and contribution rate (% profit)	53	75.4
Bank non-performing loans (%)	112	35
Domestic value added	67	44.4
Medium- and high-tech activities value added	79	23.2
Industry and services value added (% GDP)	16	74.7
Labour underutilization rate	94	62.1
Output per worker	63	17.7
ENABLING ENVIRONMENT	139	39.5
Governance	139	17.3
Political environment	126	20.4
Peace and stability	142	8
Voice and accountability	101	32.9
Quality of institutions	144	14.3
Rule of law	128	19.2
Control of corruption	142	12
Government effectiveness	143	11.5
Socio-economic	129	39
Gender equity	152	15.3
Female-to-male ratio in parliament	147	4.9
Female-to-male labour force participation	142	25.7
Female-to-male ratio in Internet usage	n/a	n/a
Social inclusion	74	65.9
Social protection coverage (% population)	70	39.6
Adult literacy rate	54	93.7
Youth not in employment, education or training (%)	79	64.5
Standard of living	91	35.9
Poverty headcount ratio (% population)	86	61.8
GDP per capita	85	10
Health and environment	90	62.1
Health	58	80.4
Universal health coverage	63	73
Healthy life expectancy (years)	68	72.8
Under-five mortality rate	51	95.5
Environmental performance	128	43.9
Renewable energy consumption (%)	132	4.9
Ecological footprint per capita	91	77.7
Natural hazard exposure	107	49

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