






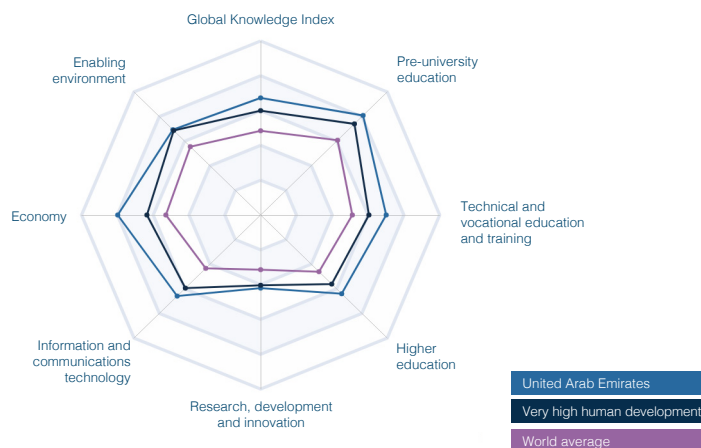
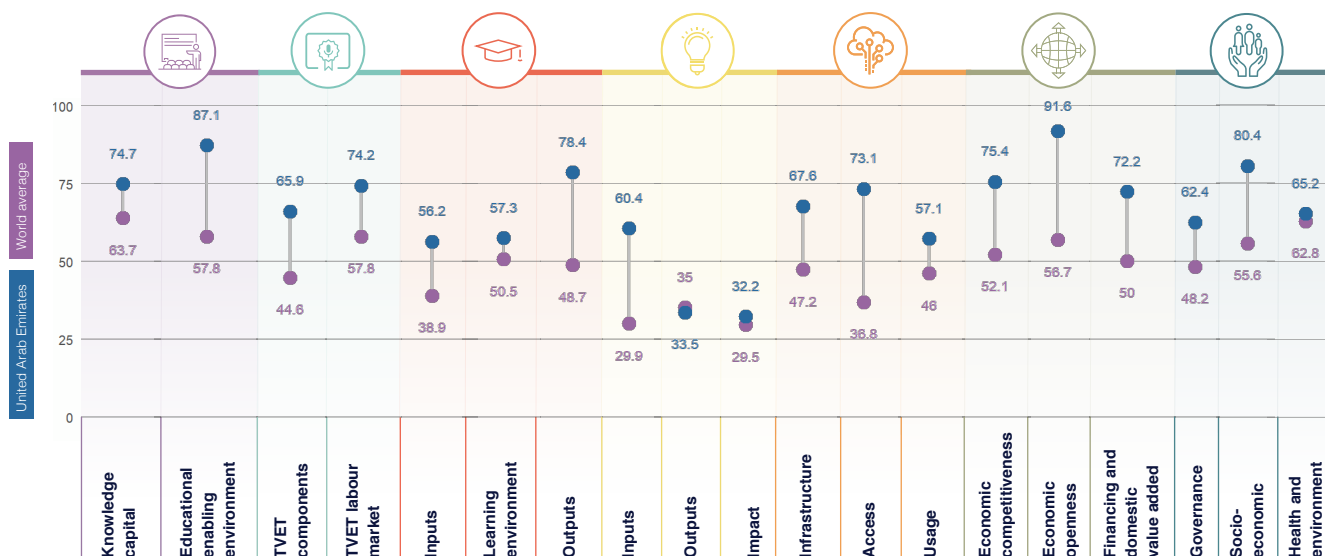


## SECTORAL INDICES

	RANK	VALUE
 PRE-UNIVERSITY EDUCATION	6	80.9
 TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	8	70.1
 HIGHER EDUCATION	16	64
 RESEARCH, DEVELOPMENT AND INNOVATION	28	42
 INFORMATION AND COMMUNICATIONS TECHNOLOGY	14	65.9
 ECONOMY	2	79.8
 ENABLING ENVIRONMENT	27	69.3



## GKI PILLARS





# UNITED ARAB EMIRATES

	Rank	Value
<b>PRE-UNIVERSITY EDUCATION</b>	<b>6</b>	<b>80.9</b>
<b>Knowledge capital</b>	<b>60</b>	<b>74.7</b>
Enrolment	61	90.1
Net enrolment rate in primary education	92	84.1
Net enrolment rate in lower secondary education	67	92
Net enrolment rate in upper secondary education	30	94.2
<b>Completion</b>	<b>54</b>	<b>78.5</b>
Years of compulsory education in primary and secondary	3	92.3
Completion rate in upper secondary education	n/a	n/a
Gross intake ratio to the last grade of lower secondary education	89	64.7
<b>Outcomes</b>	<b>57</b>	<b>55.3</b>
Assessment of 15-year-old students in math, science and reading	45	40.6
Learning-adjusted years of schooling	44	70.1
<b>Educational enabling environment</b>	<b>3</b>	<b>87.1</b>
<b>Expenditure</b>	<b>n/a</b>	<b>n/a</b>
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
<b>Resources</b>	<b>45</b>	<b>89.5</b>
Pupil-trained teacher ratio in primary education	43	83.8
Pupil-trained teacher ratio in secondary education	47	74.1
Schools with access to computers in primary education (%)	1	100
Schools with access to computers in secondary education (%)	1	100
<b>Early learning</b>	<b>7</b>	<b>84.7</b>
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	n/a	n/a
Pupil-trained teacher ratio in pre-primary education	44	84.7
<b>Equity and inclusiveness</b>	<b>n/a</b>	<b>n/a</b>
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
<b>TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING</b>	<b>8</b>	<b>70.1</b>
<b>TVET components</b>	<b>8</b>	<b>65.9</b>
<b>Continuous training and skilling</b>	<b>6</b>	<b>81.8</b>
Firms offering formal training (%)	n/a	n/a
Labour force with short-cycle tertiary education (%)	22	81.8
Participation rate in formal and non-formal education and training	n/a	n/a
<b>TVET structure</b>	<b>58</b>	<b>51.3</b>
Government expenditure on vocational education (%)	n/a	n/a
Share of students enrolled in secondary vocational programmes	124	2.5
Share of students enrolled in post-secondary vocational programmes	1	100
<b>TVET quality and qualifications</b>	<b>5</b>	<b>64.6</b>
Extent of staff training	17	66
Quality of vocational training	24	63.3
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
<b>TVET labour market</b>	<b>15</b>	<b>74.2</b>
<b>Efficiency of the labour market</b>	<b>21</b>	<b>78.2</b>
Firms constrained with inadequately educated workforce (%)	n/a	n/a
Employment educational mismatch (%)	60	65.1
Proportion of skilled production workers	n/a	n/a
Unemployment rate with vocational education	11	91.2
<b>Post-TVET employment</b>	<b>74</b>	<b>46.7</b>
Share of TVET occupations	55	62.8
Manufacturing employment (%)	94	30.6
<b>Equity and inclusiveness</b>	<b>3</b>	<b>97.7</b>
Enrolment in vocational education, gender parity	11	96.8
Vulnerable employment rate	4	98.7

	Rank	Value
<b>HIGHER EDUCATION</b>	<b>16</b>	<b>64</b>
<b>Inputs</b>	<b>17</b>	<b>56.2</b>
<b>Expenditure</b>	<b>n/a</b>	<b>n/a</b>
Government expenditure per tertiary student	n/a	n/a
Teaching staff compensation (% tertiary expenditure)	n/a	n/a
<b>Enrolment</b>	<b>18</b>	<b>51.6</b>
Enrolment in bachelor's or equivalent level (%)	21	41.5
Enrolment in master's, doctoral or equivalent (%)	22	61.8
<b>Resources</b>	<b>78</b>	<b>60.9</b>
Pupil-teacher ratio in tertiary education	66	75.4
Researchers in higher education (%)	52	46.3
<b>Learning environment</b>	<b>53</b>	<b>57.3</b>
<b>Diversity and academic freedom</b>	<b>59</b>	<b>57.3</b>
Teachers in tertiary education, gender parity	73	59.3
Inbound mobility rate	1	100
Academic freedom	137	12.7
<b>Equity and inclusiveness</b>	<b>n/a</b>	<b>n/a</b>
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
<b>Outputs</b>	<b>3</b>	<b>78.4</b>
<b>Attainment</b>	<b>7</b>	<b>69.6</b>
Educational attainment rate, bachelor's or equivalent	4	96
Educational attainment rate, master's or equivalent	6	75.1
Educational attainment rate, doctorate or equivalent	25	37.6
<b>Employment</b>	<b>6</b>	<b>91.1</b>
Labour force participation rate with advanced education	5	91.8
Unemployment rate with advanced education	31	90.3
<b>Impact</b>	<b>4</b>	<b>74.5</b>
University-industry collaboration in R&D	21	59.9
Citable documents per R&D personnel in higher education	7	89.1
<b>RESEARCH, DEVELOPMENT AND INNOVATION</b>	<b>28</b>	<b>42</b>
<b>Inputs</b>	<b>8</b>	<b>60.4</b>
<b>Inputs of R&amp;D institutions</b>	<b>15</b>	<b>51.2</b>
GERD (% GDP)	27	25.7
GERD per researcher	5	92.3
Researchers per thousand labour force	43	21.8
Tertiary graduates from STEM programmes (%)	11	64.9
<b>Inputs of RDI in business enterprises</b>	<b>8</b>	<b>69.5</b>
GERD performed by business enterprises (%)	27	21.8
GERD financed by business enterprises (%)	5	91.9
Researchers in business enterprises (%)	2	94.9
Firms that spend on R&D (%)	n/a	n/a
<b>Inputs of societal innovation</b>	<b>10</b>	<b>69.9</b>
High-skilled employment (%)	6	70.2
Intellectual property payments (% total trade)	n/a	n/a
State of cluster development	8	69.5
<b>Outputs</b>	<b>81</b>	<b>33.5</b>
<b>Outputs of R&amp;D institutions</b>	<b>99</b>	<b>34.4</b>
Average documents per researcher	88	45.4
Citations per document	61	26.6
Patent applications (per 100 billion GDP)	106	31
<b>Outputs of RDI in business enterprises</b>	<b>92</b>	<b>27.9</b>
Intellectual property receipts (% total trade)	n/a	n/a
Industrial design applications (per 100 billion GDP)	108	0.5
PCT applications (per 100 billion GDP)	61	55.4
Firms producing new goods and services (%)	n/a	n/a



# UNITED ARAB EMIRATES

	Rank	Value
<b>Outputs of societal innovation</b>	<b>34</b>	<b>37.2</b>
Trademark applications (per 100 billion GDP)	109	4.9
Cultural goods exports (% exports)	5	71.6
Printing and publishing output (% manufactured output)	32	35.1
<b>Impact</b>	<b>64</b>	<b>32.2</b>
<b>Quality</b>	<b>50</b>	<b>34.2</b>
Research institutions prominence	57	16.6
Growth of innovative companies	5	70.8
ISO 9001 quality certificates (% GDP)	55	23.3
ISO 14001 environmental certificates (% GDP)	30	26
<b>Linkages</b>	<b>13</b>	<b>43.4</b>
GERD financed from abroad (%)	n/a	n/a
Joint ventures per strategic alliance deals (% GDP)	14	59.9
Computer software spending (% GDP)	39	26.9
<b>Business development</b>	<b>134</b>	<b>19</b>
New business density per thousand population	38	19
Firms with new product/service (%)	n/a	n/a
<b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>	<b>14</b>	<b>65.9</b>
<b>Infrastructure</b>	<b>18</b>	<b>67.6</b>
<b>Coverage</b>	<b>78</b>	<b>45.2</b>
3G/4G mobile network coverage (% population)	16	99.9
Secure Internet servers per 1 million population	51	14.5
Investment in telecommunication services (% GDP)	110	21.2
<b>Quality</b>	<b>10</b>	<b>68.4</b>
Mobile upload and download speeds	1	100
Fixed-broadband upload and download speeds	19	35.2
Fixed-broadband subscriptions by speed per hundred people	25	70
<b>Affordability</b>	<b>21</b>	<b>89.1</b>
Fixed broadband basket (% GNI per capita)	3	95.9
Mobile broadband basket (% GNI per capita)	47	71.5
Internet and telephony competition	1	100
<b>Access</b>	<b>1</b>	<b>73.1</b>
<b>Subscriptions</b>	<b>1</b>	<b>87.9</b>
Active mobile-broadband subscriptions per hundred inhabitants	1	100
International Internet bandwidth per user	8	63.8
Households with Internet access at home (%)	1	100
<b>Skills and employment</b>	<b>14</b>	<b>58.3</b>
Individuals with standard ICT skills (%)	1	100
Tertiary graduates from ICT programmes (%)	28	44.4
ICT employment (%)	46	30.6
<b>Usage</b>	<b>38</b>	<b>57.1</b>
<b>Services</b>	<b>23</b>	<b>64.2</b>
Government online services	15	90
Fixed broadband Internet traffic per subscription	6	58.5
Mobile broadband Internet traffic per subscription	82	8.3
Internet users (%)	1	100
<b>Outcomes</b>	<b>66</b>	<b>50.1</b>
ICT PCT patent applications (per 100 billion GDP)	75	39.7
E-participation	16	94.1
Internet activities by individuals (%)	55	32.8
Trade in digitally deliverable services (% total trade)	87	33.7
<b>ECONOMY</b>	<b>2</b>	<b>79.8</b>
<b>Economic competitiveness</b>	<b>4</b>	<b>75.4</b>
<b>Infrastructure investment</b>	<b>2</b>	<b>77.2</b>
Gross fixed capital formation (% GDP)	28	61.7
Logistics performance	11	73.9
Transport productive capacity	6	73.2
Building quality control	1	100

	Rank	Value
<b>Business agility</b>	<b>23</b>	<b>73.6</b>
Ease of starting a business	15	94.8
Insolvency recovery rate	9	95.2
Entrepreneurial employee activity rate	33	33
Extent of corporate transparency	50	71.4
<b>Economic openness</b>	<b>3</b>	<b>91.6</b>
<b>Trade and diversification</b>	<b>4</b>	<b>86.2</b>
Trade (% GDP)	6	98
High-technology trade (% total trade)	9	74.7
Product concentration	61	78.4
Market concentration	34	93.5
<b>Financial openness</b>	<b>3</b>	<b>97.1</b>
Chinn-Ito financial openness	1	100
Foreign direct investment, net inflows (% GDP)	9	91.4
Debt dynamics	1	100
<b>Financing and domestic value added</b>	<b>6</b>	<b>72.2</b>
<b>Financing and taxes</b>	<b>21</b>	<b>70.9</b>
Domestic credit to private sector (% GDP)	43	29.2
MSME financing gap (% GDP)	n/a	n/a
Tax and contribution rate (% profit)	11	92
Bank non-performing loans (%)	35	91.7
<b>Domestic value added</b>	<b>3</b>	<b>73.5</b>
Medium- and high-tech activities value added	2	91.1
Industry and services value added (% GDP)	7	82
Labour underutilization rate	36	80.7
Output per worker	23	40.2
<b>ENABLING ENVIRONMENT</b>	<b>27</b>	<b>69.3</b>
<b>Governance</b>	<b>49</b>	<b>62.4</b>
<b>Political environment</b>	<b>79</b>	<b>41.2</b>
Peace and stability	38	66
Voice and accountability	132	16.4
<b>Quality of institutions</b>	<b>24</b>	<b>83.5</b>
Rule of law	33	79.3
Control of corruption	27	83.2
Government effectiveness	21	88
<b>Socio-economic</b>	<b>9</b>	<b>80.4</b>
<b>Gender equity</b>	<b>2</b>	<b>94.8</b>
Female-to-male ratio in parliament	1	100
Female-to-male labour force participation	37	84.4
Female-to-male ratio in Internet usage	1	100
<b>Social inclusion</b>	<b>36</b>	<b>84.8</b>
Social protection coverage (% population)	42	72.7
Adult literacy rate	28	98.1
Youth not in employment, education or training (%)	33	83.4
<b>Standard of living</b>	<b>14</b>	<b>61.5</b>
Poverty headcount ratio (% population)	n/a	n/a
GDP per capita	5	61.5
<b>Health and environment</b>	<b>63</b>	<b>65.2</b>
<b>Health</b>	<b>26</b>	<b>88.9</b>
Universal health coverage	40	76
Healthy life expectancy (years)	9	93
Under-five mortality rate	33	97.8
<b>Environmental performance</b>	<b>136</b>	<b>41.5</b>
Renewable energy consumption (%)	139	2
Ecological footprint per capita	119	64.4
Natural hazard exposure	76	58

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