

**GKI RANK** 5 /133

**GKI SCORE** 66.9

**WORLD AVERAGE** 47.5

**COUNTRY PERFORMANCE SUMMARY**

United States is a leading performer in terms of its knowledge infrastructure. It ranks 5th out of 133 countries in the Global Knowledge Index 2023 and 5th out of the 61 countries with very high human development.

**AREAS OF STRENGTH**

- + Computer software spending (% GDP)
- + Research institutions prominence
- + Teachers in tertiary education, gender parity
- + Domestic credit to private sector (% GDP)
- + Secure Internet servers per 1 million population

**AREAS OF IMPROVEMENT**

- Trade (% GDP)
- Ecological footprint per capita
- Natural hazard exposure
- ISO 14001 environmental certificates (per billion GDP)
- Government expenditure on vocational education (%)

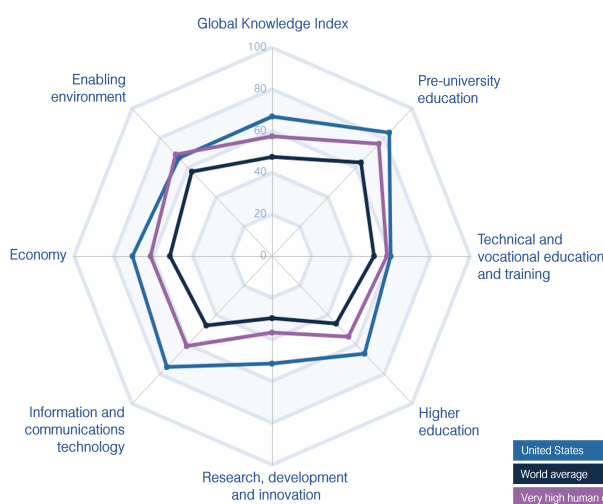
**UNITED STATES**

**KEY INDICATORS**

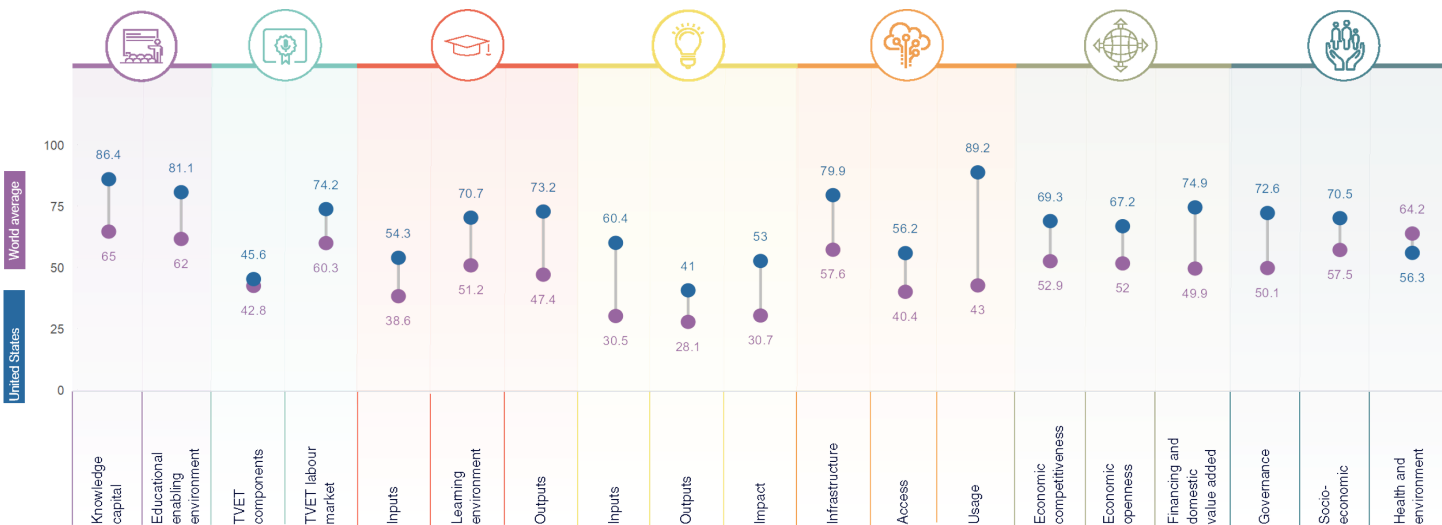
**GDP (US\$ billions): 21,564.698**  
**Population: 336,997,624**  
**HDI: 0.921**

**SECTORAL INDICES**

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	9	83.7
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	30	59.9
HIGHER EDUCATION	4	66.1
RESEARCH, DEVELOPMENT AND INNOVATION	5	51.5
INFORMATION AND COMMUNICATIONS TECHNOLOGY	2	75.1
ECONOMY	6	70.5
ENABLING ENVIRONMENT	37	66.5



**GKI PILLARS**





# UNITED STATES

Rank Value

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## PRE-UNIVERSITY EDUCATION 9 83.7

### Knowledge capital 9 86.4

Enrolment 33 96

Net enrolment rate in primary education 74 90.7

Net enrolment rate in lower secondary education 31 98.4

Net enrolment rate in upper secondary education 6 98.8

Completion 2 88

Years of compulsory education in primary and secondary 3 92.3

Completion rate in upper secondary education 10 95.8

Gross intake ratio to the last grade of lower secondary education 9 76

Outcomes 26 75.2

Assessment of 15-year-old students in math, science and reading 22 72.5

Learning-adjusted years of schooling 32 78

### Educational enabling environment 14 81.1

Expenditure 41 40.9

Government expenditure on primary education (% GDP) 42 37.8

Government expenditure on secondary education (% GDP) 48 34.5

Government funding per primary student (% GDP per capita) 33 53.8

Government funding per secondary student (% GDP per capita) 40 37.5

Resources 37 96.2

Pupil-trained teacher ratio in primary education 15 93.1

Pupil-trained teacher ratio in secondary education 34 91.7

Schools with access to computers in primary education (%) 1 100

Schools with access to computers in secondary education (%) 1 100

Early learning 6 92.3

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 25 92.3

Equity and inclusiveness 24 94.9

Completion rate in upper secondary education, gender parity 20 97.8

Completion rate in upper secondary education, wealth parity 5 92

Completion rate in upper secondary education, location parity n/a n/a

## TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 30 59.9

### TVET components 46 45.6

Continuous training and skilling 70 41.4

Firms offering formal training (%) n/a n/a

Labour force participation rate with short-cycle tertiary education 64 67.4

Participation rate in formal and non-formal education and training 80 15.3

TVET structure 55 51

Government expenditure on vocational education (%) 73 2.1

Share of students enrolled in secondary vocational programmes n/a n/a

Share of students enrolled in post-secondary vocational programmes 1 100

TVET quality and qualifications 51 44.3

Extent of staff training 13 71.5

Quality of vocational training 18 67.6

Ratio of high-skill TVET occupations earnings to average wage 95 12.1

Ratio of medium-skill TVET occupations earnings to average wage 77 26.1

TVET labour market 18 74.2

Efficiency of the labour market 22 77.4

Firms constrained with inadequately educated workforce (%) n/a n/a

Employment educational mismatch (%) 52 66.3

Proportion of skilled production workers n/a n/a

Unemployment rate with vocational education 33 88.4

Post-TVET employment 54 49.8

Share of TVET occupations 37 64.4

Manufacturing employment (%) 77 35.3

Equity and inclusiveness 4 95.5

Enrolment in vocational education, gender parity n/a n/a

Vulnerable employment rate 9 95.5

## HIGHER EDUCATION 4 66.1

### Inputs 11 54.3

Expenditure 30 38

Government expenditure per tertiary student 9 44.1

Teaching staff compensation (% tertiary expenditure) 57 31.8

Enrolment 36 40.8

Enrolment in bachelor's or equivalent level (%) 43 32.8

Enrolment in master's, doctoral or equivalent (%) 34 48.8

Resources 11 84.2

Pupil-teacher ratio in tertiary education 31 84.2

Researchers in higher education (%) n/a n/a

### Learning environment 20 70.7

Diversity and academic freedom 36 64.4

Teachers in tertiary education, gender parity 1 98.3

Inbound mobility rate 51 16.1

Academic freedom 64 78.8

Equity and inclusiveness 3 77

Gross attendance ratio for tertiary education, gender parity 40 77

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 2 73.2

Attainment 5 66.1

Educational attainment rate, bachelor's or equivalent 7 73.8

Educational attainment rate, master's or equivalent 16 54

Educational attainment rate, doctoral or equivalent 4 70.5

Employment 62 79.5

Labour force participation rate with advanced education 99 65.9

Unemployment rate with advanced education 18 93

Impact 2 74.1

University-industry collaboration in R&D 3 74.1

Citable documents per R&D personnel in higher education n/a n/a

## RESEARCH, DEVELOPMENT AND INNOVATION 5 51.5

### Inputs 5 60.4

Inputs of R&D institutions 13 55.5

GERD (% GDP) 5 63.9

GERD per researcher 8 48.6

Researchers per thousand labour force 19 59.5

Tertiary graduates from STEM programmes (%) 72 49.9

Inputs of RDI in business enterprises 3 70.4

GERD performed by business enterprises (%) 7 47.1

GERD financed by business enterprises (%) 9 77.2

Researchers in business enterprises (%) 4 86.9

Firms that spend on R&D (%) n/a n/a

Inputs of societal innovation 11 60.1

High-skilled employment (%) 12 71.1

Intellectual property payments (% total trade) 16 38.5

State of cluster development 2 70.8

### Outputs 18 41

Outputs of R&D institutions 43 40.1

Average documents per researcher 79 13.1

Citations per document 74 28.5

Resident patent applications (per 100 billion GDP) 6 78.8

Outputs of RDI in business enterprises 14 55.2

Intellectual property receipts (% total trade) 1 100

Industrial design applications (per 100 billion GDP) 61 7.2

PCT applications (per 100 billion GDP) 12 58.5

Firms producing new products and services (%) n/a n/a

Outputs of societal innovation 33 28.5

Trademark applications (per 100 billion GDP) 86 14.3

Cultural goods exports (% exports) 13 47.9

Printing and publishing output (% manufactured output) 33 23.4

### Impact 4 53

Quality 28 43.3

Research institutions prominence 1 100

Growth of innovative companies 3 68.5

ISO 9001 quality certificates (per billion GDP) 108 3.2

ISO 14001 environmental certificates (per billion GDP) 115 1.6

Linkages 4 62.8

GERD financed from abroad (%) 58 13.9

Joint ventures per strategic alliance deals (per billion GDP) 5 74.4

Computer software spending (% GDP) 1 100

Business development n/a n/a

New business density per thousand population n/a n/a

Firms with products and services new to the market (%) n/a n/a



# UNITED STATES

	Rank	Value		Rank	Value
<b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>			<b>ENABLING ENVIRONMENT</b>		
<b>Infrastructure</b>	<b>14</b>	<b>79.9</b>	<b>Governance</b>	<b>30</b>	<b>72.6</b>
Coverage	7	88.7	Political environment	48	59.1
3G/4G mobile network coverage (% population)	21	99.9	Peace and stability	66	45.3
Secure Internet servers per 1 million population	2	94.6	Voice and accountability	35	72.9
Investment in telecommunication services (% GDP)	11	71.7	Quality of institutions	20	86
<b>Quality</b>	<b>22</b>	<b>54.5</b>	Rule of law	26	82.5
Mobile upload and download speeds	14	37	Control of corruption	21	86.8
Fixed-broadband upload and download speeds	14	52.4	Government effectiveness	18	88.7
Fixed-broadband subscriptions by speed per hundred people	22	74.3	<b>Socio-economic</b>	<b>33</b>	<b>70.5</b>
<b>Affordability</b>	<b>28</b>	<b>96.4</b>	Gender equity	41	74.8
Fixed broadband basket (% GNI per capita)	25	94.7	Female-to-male ratio in parliament	57	40.6
Mobile broadband basket (% GNI per capita)	55	94.6	Female-to-male labour force participation	46	83.7
Internet and telephony competition	1	100	Female-to-male ratio in Internet usage	1	100
<b>Access</b>	<b>24</b>	<b>56.2</b>	Social inclusion	42	81.1
<b>Subscriptions</b>	<b>11</b>	<b>71.3</b>	Social protection coverage (% population)	36	83.3
Active mobile-broadband subscriptions per hundred inhabitants	5	73.2	Adult literacy rate	n/a	n/a
International Internet bandwidth per user	51	52.7	Youth not in employment, education or training (%)	38	78.8
Households with Internet access at home (%)	51	88	Standard of living	26	55.7
<b>Skills and employment</b>	<b>33</b>	<b>41.2</b>	Poverty headcount ratio (% population)	n/a	n/a
Individuals with standard ICT skills (%)	n/a	n/a	GDP per capita	8	55.7
Tertiary graduates from ICT programmes (%)	55	29.9	<b>Health and environment</b>	<b>116</b>	<b>56.3</b>
ICT employment (%)	15	52.4	Health	39	85.5
<b>Usage</b>	<b>1</b>	<b>89.2</b>	Universal health coverage	11	85.7
<b>Services</b>	<b>2</b>	<b>92.1</b>	Healthy life expectancy (years)	61	74.7
Government online services	9	93	Under-five mortality rate	44	96.3
Fixed broadband Internet traffic per subscription	n/a	n/a	Environmental performance	132	27
Mobile broadband Internet traffic per subscription	n/a	n/a	Renewable energy consumption (%)	101	11.6
Internet users (%)	29	91.2	Ecological footprint per capita	127	35.5
<b>Outcomes</b>	<b>3</b>	<b>86.2</b>	Natural hazard exposure	118	34
ICT PCT patent applications (per 100 billion GDP)	7	97.3			
E-participation	9	90.9			
Internet activities by individuals (%)	n/a	n/a			
Trade in digitally deliverable services (% total trade)	8	70.5			
<b>ECONOMY</b>	<b>6</b>	<b>70.5</b>			
<b>Economic competitiveness</b>	<b>16</b>	<b>69.3</b>			
Infrastructure investment	17	63.3			
Gross fixed capital formation (% GDP)	81	20.6			
Logistics performance	15	70			
Transport productive capacity	11	79.9			
Building quality control	44	82.7			
Business agility	20	75.3			
Ease of starting a business	49	91.6			
Insolvency recovery rate	15	88.1			
Entrepreneurial employee activity rate	16	49.9			
Extent of corporate transparency	49	71.4			
<b>Economic openness</b>	<b>22</b>	<b>67.2</b>			
Trade and diversification	29	59.9			
Trade (% GDP)	131	0			
High-technology trade (% total trade)	11	54.7			
Product concentration	17	90.4			
Market concentration	19	94.5			
Financial openness	29	74.5			
Chinn-Ito financial openness	1	100			
Foreign direct investment, net inflows (% GDP)	90	33.4			
Debt dynamics	33	90			
<b>Financing and domestic value added</b>	<b>4</b>	<b>74.9</b>			
Financing and taxes	3	83.1			
Domestic credit to private sector (% GDP)	2	81.6			
MSME financing gap (% GDP)	n/a	n/a			
Tax and contribution rate (% profit)	62	70.9			
Bank non-performing loans (%)	7	96.7			
Domestic value added	5	66.8			
Medium- and high-tech activities value added	22	53.7			
Industry and services value added (% GDP)	10	67.7			
Labour underutilization rate	8	92.7			
Output per worker	7	53			

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