



**GKI RANK** 80 /133

**GKI SCORE** 44.7

**WORLD AVERAGE** 47.5

**COUNTRY PERFORMANCE SUMMARY**

Philippines is a moderate performer in terms of its knowledge infrastructure. It ranks 80th out of 133 countries in the Global Knowledge Index 2023 and 4th out of the 25 countries with medium human development.

**PHILIPPINES**

**AREAS OF STRENGTH**

- + Gross attendance ratio for tertiary education, location parity
- + High-technology trade (% total trade)
- + Tertiary graduates from ICT programmes (%)
- + Firms offering formal training (%)
- + Unemployment rate with vocational education

**AREAS OF IMPROVEMENT**

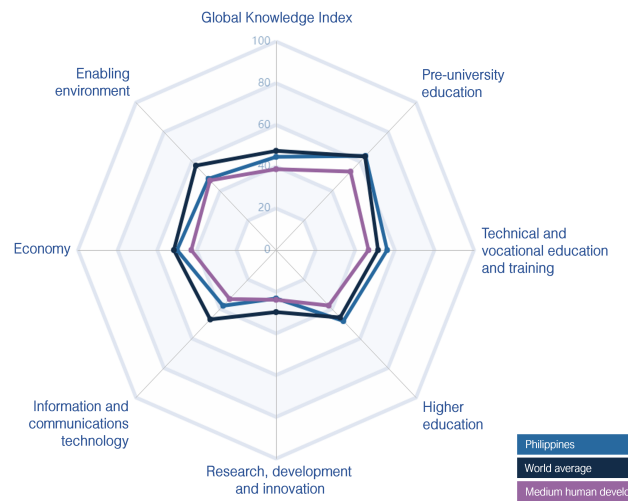
- MSME financing gap (% GDP)
- Natural hazard exposure
- Assessment of 15-year-old students in math, science and reading
- Individuals with standard ICT skills (%)
- Labour force participation rate with advanced education

**KEY INDICATORS**

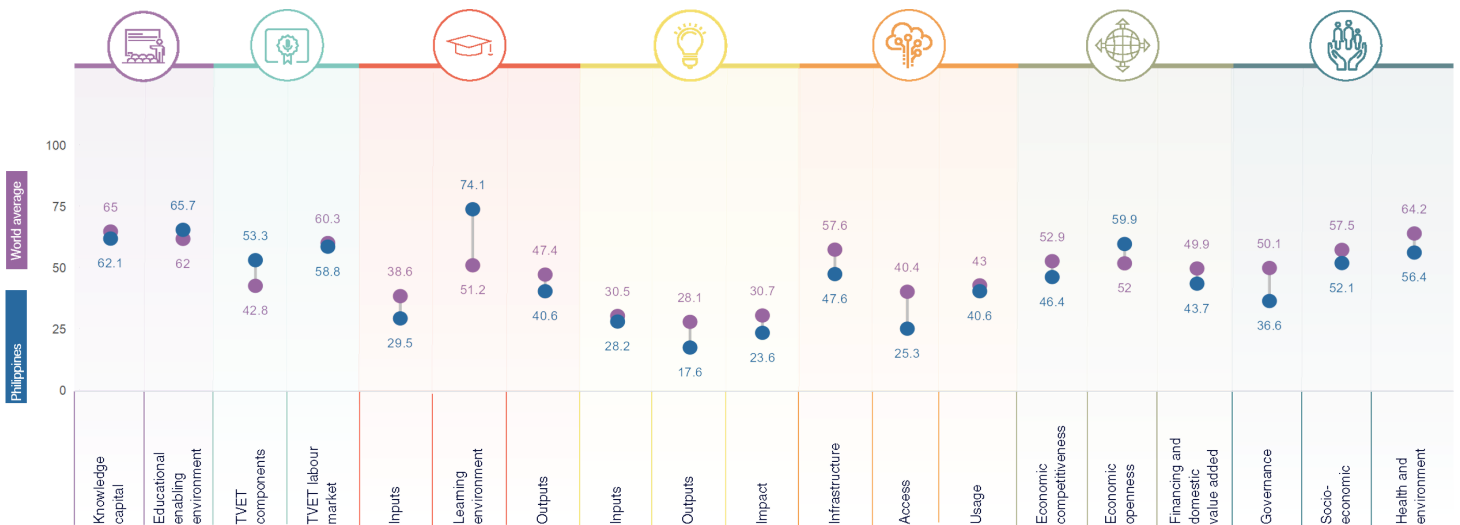
**GDP (US\$ billions): 991.72**  
**Population: 113,880,328**  
**HDI: 0.699**

**SECTORAL INDICES**

	RANK	VALUE
PRE-UNIVERSITY EDUCATION	82	63.9
TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING	44	56.1
HIGHER EDUCATION	57	48.1
RESEARCH, DEVELOPMENT AND INNOVATION	98	23.2
INFORMATION AND COMMUNICATIONS TECHNOLOGY	93	37.8
ECONOMY	67	50
ENABLING ENVIRONMENT	94	48.3



**GKI PILLARS**





# PHILIPPINES

Rank Value

Rank Value

PRE-UNIVERSITY EDUCATION	82	63.9
<b>Knowledge capital</b>	<b>86</b>	<b>62.1</b>
Enrolment	85	80.6
Net enrolment rate in primary education	99	77.9
Net enrolment rate in lower secondary education	88	84.4
Net enrolment rate in upper secondary education	67	79.4
Completion	39	78.2
Years of compulsory education in primary and secondary	3	92.3
Completion rate in upper secondary education	62	71.2
Gross intake ratio to the last grade of lower secondary education	34	71.3
<b>Outcomes</b>	<b>106</b>	<b>27.5</b>
Assessment of 15-year-old students in math, science and reading	74	7
Learning-adjusted years of schooling	84	48
<b>Educational enabling environment</b>	<b>65</b>	<b>65.7</b>
<b>Expenditure</b>	<b>78</b>	<b>29.9</b>
Government expenditure on primary education (% GDP)	56	34.7
Government expenditure on secondary education (% GDP)	77	25.2
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>68</b>	<b>80.5</b>
Pupil-trained teacher ratio in primary education	45	80.3
Pupil-trained teacher ratio in secondary education	56	81.1
Schools with access to computers in primary education (%)	62	74.1
Schools with access to computers in secondary education (%)	77	86.4
<b>Early learning</b>	<b>20</b>	<b>82.3</b>
Gross enrolment ratio in early childhood education	12	84.6
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	52	80
<b>Equity and inclusiveness</b>	<b>72</b>	<b>70.2</b>
Completion rate in upper secondary education, gender parity	96	80.4
Completion rate in upper secondary education, wealth parity	34	41
Completion rate in upper secondary education, location parity	35	89.3
<b>TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING</b>	<b>44</b>	<b>56.1</b>
<b>TVET components</b>	<b>23</b>	<b>53.3</b>
Continuous training and skilling	26	55
Firms offering formal training (%)	8	80.1
Labour force participation rate with short-cycle tertiary education	n/a	n/a
Participation rate in formal and non-formal education and training	31	29.8
<b>TVET structure</b>	<b>33</b>	<b>56.9</b>
Government expenditure on vocational education (%)	n/a	n/a
Share of students enrolled in secondary vocational programmes	70	13.8
Share of students enrolled in post-secondary vocational programmes	1	100
<b>TVET quality and qualifications</b>	<b>31</b>	<b>48</b>
Extent of staff training	35	64.6
Quality of vocational training	44	58.9
Ratio of high-skill TVET occupations earnings to average wage	28	31.1
Ratio of medium-skill TVET occupations earnings to average wage	32	37.5
<b>TVET labour market</b>	<b>82</b>	<b>58.8</b>
<b>Efficiency of the labour market</b>	<b>34</b>	<b>74</b>
Firms constrained with inadequately educated workforce (%)	24	81.6
Employment educational mismatch (%)	79	51.9
Proportion of skilled production workers	32	70.2
Unemployment rate with vocational education	12	92.2
<b>Post-TVET employment</b>	<b>108</b>	<b>30.9</b>
Share of TVET occupations	100	34.6
Manufacturing employment (%)	97	27.2
<b>Equity and inclusiveness</b>	<b>70</b>	<b>71.6</b>
Enrolment in vocational education, gender parity	56	79.4
Vulnerable employment rate	82	63.8

HIGHER EDUCATION	57	48.1
<b>Inputs</b>	<b>100</b>	<b>29.5</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>78</b>	<b>17</b>
Enrolment in bachelor's or equivalent level (%)	69	24.2
Enrolment in master's, doctoral or equivalent (%)	77	9.7
<b>Resources</b>	<b>112</b>	<b>42</b>
Pupil-teacher ratio in tertiary education	88	56
Researchers in higher education (%)	83	28
<b>Learning environment</b>	<b>13</b>	<b>74.1</b>
<b>Diversity and academic freedom</b>	<b>6</b>	<b>81.9</b>
Teachers in tertiary education, gender parity	15	92.5
Inbound mobility rate	n/a	n/a
Academic freedom	75	71.3
<b>Equity and inclusiveness</b>	<b>6</b>	<b>66.3</b>
Gross attendance ratio for tertiary education, gender parity	21	89.3
Gross attendance ratio for tertiary education, wealth parity	12	28.9
Gross attendance ratio for tertiary education, location parity	3	80.7
<b>Outputs</b>	<b>93</b>	<b>40.6</b>
<b>Attainment</b>	<b>65</b>	<b>18.9</b>
Educational attainment rate, bachelor's or equivalent	33	50.8
Educational attainment rate, master's or equivalent	87	2
Educational attainment rate, doctoral or equivalent	66	3.9
<b>Employment</b>	<b>98</b>	<b>68.3</b>
Labour force participation rate with advanced education	122	48.1
Unemployment rate with advanced education	46	88.4
<b>Impact</b>	<b>75</b>	<b>34.6</b>
University-industry collaboration in R&D	42	53.7
Citable documents per R&D personnel in higher education	70	15.6
<b>RESEARCH, DEVELOPMENT AND INNOVATION</b>	<b>98</b>	<b>23.2</b>
<b>Inputs</b>	<b>64</b>	<b>28.2</b>
<b>Inputs of R&amp;D institutions</b>	<b>78</b>	<b>23</b>
GERD (% GDP)	72	5.8
GERD per researcher	47	18.2
Researchers per thousand labour force	83	2.5
Tertiary graduates from STEM programmes (%)	35	65.3
<b>Inputs of RDI in business enterprises</b>	<b>39</b>	<b>36.8</b>
GERD performed by business enterprises (%)	65	1.3
GERD financed by business enterprises (%)	46	47
Researchers in business enterprises (%)	18	63.1
Firms that spend on R&D (%)	28	35.9
<b>Inputs of societal innovation</b>	<b>75</b>	<b>30.1</b>
High-skilled employment (%)	74	26.3
Intellectual property payments (% total trade)	63	11.1
State of cluster development	45	52.9
<b>Outputs</b>	<b>114</b>	<b>17.6</b>
<b>Outputs of R&amp;D institutions</b>	<b>110</b>	<b>23.2</b>
Average documents per researcher	99	5.7
Citations per document	106	19.4
Resident patent applications (per 100 billion GDP)	74	44.5
<b>Outputs of RDI in business enterprises</b>	<b>85</b>	<b>12</b>
Intellectual property receipts (% total trade)	91	0.4
Industrial design applications (per 100 billion GDP)	71	4.6
PCT applications (per 100 billion GDP)	93	0.6
Firms producing new products and services (%)	60	42.3
<b>Outputs of societal innovation</b>	<b>91</b>	<b>12.3</b>
Trademark applications (per 100 billion GDP)	60	23.1
Cultural goods exports (% exports)	67	6
Printing and publishing output (% manufactured output)	88	7.7
<b>Impact</b>	<b>96</b>	<b>23.6</b>
<b>Quality</b>	<b>76</b>	<b>28.5</b>
Research institutions prominence	66	50.2
Growth of innovative companies	52	50.8
ISO 9001 quality certificates (per billion GDP)	78	7.5
ISO 14001 environmental certificates (per billion GDP)	82	5.7
<b>Linkages</b>	<b>91</b>	<b>11.2</b>
GERD financed from abroad (%)	85	3.4
Joint ventures per strategic alliance deals (per billion GDP)	59	7
Computer software spending (% GDP)	54	23.1
<b>Business development</b>	<b>95</b>	<b>31.2</b>
New business density per thousand population	110	0.7
Firms with products and services new to the market (%)	71	61.7



# PHILIPPINES

	Rank	Value		Rank	Value
<b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>			<b>93 37.8</b>		
<b>Infrastructure</b>			<b>99 47.6</b>		
Coverage	102	53.8			
3G/4G mobile network coverage (% population)	102	85.1			
Secure Internet servers per 1 million population	102	37.6			
Investment in telecommunication services (% GDP)	48	38.9			
<b>Quality</b>			<b>76 17.1</b>		
Mobile upload and download speeds	56	11.5			
Fixed-broadband upload and download speeds	40	22.8			
Fixed-broadband subscriptions by speed per hundred people	n/a	n/a			
<b>Affordability</b>			<b>103 71.8</b>		
Fixed broadband basket (% GNI per capita)	106	64.1			
Mobile broadband basket (% GNI per capita)	90	83.7			
Internet and telephony competition	107	67.6			
<b>Access</b>			<b>103 25.3</b>		
<b>Subscriptions</b>			<b>115 28.3</b>		
Active mobile-broadband subscriptions per hundred inhabitants	97	28			
International Internet bandwidth per user	108	40.3			
Households with Internet access at home (%)	122	16.6			
<b>Skills and employment</b>			<b>79 22.4</b>		
Individuals with standard ICT skills (%)	84	1.1			
Tertiary graduates from ICT programmes (%)	10	57.5			
ICT employment (%)	72	8.4			
<b>Usage</b>			<b>70 40.6</b>		
<b>Services</b>			<b>85 43.8</b>		
Government online services	74	63			
Fixed broadband Internet traffic per subscription	n/a	n/a			
Mobile broadband Internet traffic per subscription	52	18.6			
Internet users (%)	103	49.8			
<b>Outcomes</b>			<b>57 37.3</b>		
ICT PCT patent applications (per 100 billion GDP)	99	0.5			
E-participation	77	48.9			
Internet activities by individuals (%)	n/a	n/a			
Trade in digitally deliverable services (% total trade)	16	62.7			
<b>ECONOMY</b>			<b>67 50</b>		
<b>Economic competitiveness</b>			<b>88 46.4</b>		
Infrastructure investment	61	49.9			
Gross fixed capital formation (% GDP)	59	25.2			
Logistics performance	40	57.5			
Transport productive capacity	95	30.4			
Building quality control	21	86.7			
<b>Business agility</b>			<b>102 42.9</b>		
Ease of starting a business	123	71.3			
Insolvency recovery rate	106	23			
Entrepreneurial employee activity rate	44	20.2			
Extent of corporate transparency	76	57.1			
<b>Economic openness</b>			<b>42 59.9</b>		
Trade and diversification	13	66.6			
Trade (% GDP)	83	13.1			
High-technology trade (% total trade)	1	100			
Product concentration	104	63.2			
Market concentration	65	90			
Financial openness	65	53.2			
Chinn-Ito financial openness	71	44.7			
Foreign direct investment, net inflows (% GDP)	69	35.3			
Debt dynamics	52	79.7			
<b>Financing and domestic value added</b>			<b>89 43.7</b>		
<b>Financing and taxes</b>			<b>124 40.2</b>		
Domestic credit to private sector (% GDP)	66	16.2			
MSME financing gap (% GDP)	91	0			
Tax and contribution rate (% profit)	89	64.3			
Bank non-performing loans (%)	60	80.1			
<b>Domestic value added</b>			<b>48 47.3</b>		
Medium- and high-tech activities value added	26	50.9			
Industry and services value added (% GDP)	22	59.2			
Labour underutilization rate	67	71			
Output per worker	96	8.2			
			<b>ENABLING ENVIRONMENT</b>		
			<b>94 48.3</b>		
			<b>Governance</b>		
			<b>88 36.6</b>		
			Political environment		
			91 32.1		
			Peace and stability		
			105 20.3		
			Voice and accountability		
			75 44		
			Quality of institutions		
			81 41		
			Rule of law		
			91 33.5		
			Control of corruption		
			61 56.1		
			Government effectiveness		
			96 33.5		
			<b>Socio-economic</b>		
			<b>81 52.1</b>		
			Gender equity		
			117 51.4		
			Female-to-male ratio in parliament		
			68 37.6		
			Female-to-male labour force participation		
			102 65.2		
			Female-to-male ratio in Internet usage		
			n/a n/a		
			Social inclusion		
			69 64.4		
			Social protection coverage (% population)		
			74 34.9		
			Adult literacy rate		
			42 94.9		
			Youth not in employment, education or training (%)		
			60 63.5		
			Standard of living		
			71 40.4		
			Poverty headcount ratio (% population)		
			45 73.9		
			GDP per capita		
			94 6.9		
			<b>Health and environment</b>		
			<b>114 56.4</b>		
			<b>Health</b>		
			97 65.9		
			Universal health coverage		
			98 58.2		
			Healthy life expectancy (years)		
			96 60.6		
			Under-five mortality rate		
			95 79		
			<b>Environmental performance</b>		
			99 46.8		
			Renewable energy consumption (%)		
			58 30.2		
			Ecological footprint per capita		
			25 94.2		
			Natural hazard exposure		
			132 16		

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