

TABLE A

## Innovation performance at different income levels, 2019

	High Income	Upper-middle Income	Lower-middle Income	Low Income
<b>Above expectations for level of development</b>	Denmark	Armenia	Georgia	Burundi
	Finland	China	India	Malawi
	Netherlands	Costa Rica	Kenya	Mozambique
	Singapore	Montenegro	Mongolia	Rwanda
	Sweden	North Macedonia	Philippines	Senegal
	Switzerland	South Africa	Republic of Moldova	United Republic of Tanzania
	United Kingdom	Thailand	Ukraine	Tajikistan
	United States of America	Malaysia	Viet Nam	Uganda
	Germany	Bulgaria	Tunisia	Nepal
	Israel	Romania	Morocco	Ethiopia
	Republic of Korea	Mexico	Indonesia	Mali
	Ireland	Serbia	Sri Lanka	Burkina Faso
	Hong Kong, China	Iran (Islamic Republic of)	Kyrgyzstan	Madagascar
	Japan	Brazil	Egypt	Zimbabwe
	France	Colombia	Cambodia	Niger
	<b>In line with expectations for level of development</b>	Canada	Peru	Côte d'Ivoire
Luxembourg		Belarus	Honduras	Guinea
Norway		Bosnia and Herzegovina	Cameroon	Togo
Iceland		Jamaica	Pakistan	Yemen
Austria		Albania	Ghana	
Australia		Azerbaijan	El Salvador	
Belgium		Jordan	Bolivia (Plurinational State of)	
Estonia		Lebanon	Nigeria	
New Zealand		Russian Federation	Bangladesh	
Czech Republic		Turkey	Nicaragua	
Malta		Kazakhstan	Zambia	
Cyprus		Mauritius		
Spain		Dominican Republic		
Italy		Botswana		
Slovenia		Paraguay		
Portugal		Ecuador		
Hungary		Namibia		
Latvia		Guatemala		
Slovakia		Algeria		
Poland				
Greece				
Croatia				
Chile				
Uruguay				
Argentina				
<b>Below expectations for level of development</b>		United Arab Emirates		
	Lithuania			
	Kuwait			
	Qatar			
	Saudi Arabia			
	Brunei Darussalam			
	Panama			
	Bahrain			
	Oman			
	Trinidad and Tobago			

Source: Global Innovation Index Database, Cornell, INSEAD, and WIPO, 2019.

# **RANKINGS**

## Global Innovation Index 2019 rankings, continued

Country/Economy	Score (0–100)	Rank	Income	Rank	Region	Rank	Median 33.86
Brazil	33.82	66	UM	16	LCN	5	
Colombia	33.00	67	UM	17	LCN	6	
Saudi Arabia	32.93	68	HI	44	NAWA	9	
Peru	32.93	69	UM	18	LCN	7	
Tunisia	32.83	70	LM	8	NAWA	10	
Brunei Darussalam	32.35	71	HI	45	SEAO	13	
Belarus	32.07	72	UM	19	EUR	37	
Argentina	31.95	73	HI	46	LCN	8	
Morocco	31.63	74	LM	9	NAWA	11	
Panama	31.51	75	HI	47	LCN	9	
Bosnia and Herzegovina	31.41	76	UM	20	EUR	38	
Kenya	31.13	77	LM	10	SSF	2	
Bahrain	31.10	78	HI	48	NAWA	12	
Kazakhstan	31.03	79	UM	21	CSA	3	
Oman	30.98	80	HI	49	NAWA	13	
Jamaica	30.80	81	UM	22	LCN	10	
Mauritius	30.61	82	UM	23	SSF	3	
Albania	30.34	83	UM	24	EUR	39	
Azerbaijan	30.21	84	UM	25	NAWA	14	
Indonesia	29.72	85	LM	11	SEAO	14	
Jordan	29.61	86	UM	26	NAWA	15	
Dominican Republic	28.56	87	UM	27	LCN	11	
Lebanon	28.54	88	UM	28	NAWA	16	
Sri Lanka	28.45	89	LM	12	CSA	4	
Kyrgyzstan	28.38	90	LM	13	CSA	5	
Trinidad and Tobago	28.08	91	HI	50	LCN	12	
Egypt	27.47	92	LM	14	NAWA	17	
Botswana	27.43	93	UM	29	SSF	4	
Rwanda	27.38	94	LI	1	SSF	5	
Paraguay	27.09	95	UM	30	LCN	13	
Senegal	26.83	96	LI	2	SSF	6	
United Republic of Tanzania	26.63	97	LI	3	SSF	7	
Cambodia	26.59	98	LM	15	SEAO	15	
Ecuador	26.56	99	UM	31	LCN	14	
Tajikistan	26.43	100	LI	4	CSA	6	
Namibia	25.85	101	UM	32	SSF	8	
Uganda	25.60	102	LI	5	SSF	9	
Côte d'Ivoire	25.55	103	LM	16	SSF	10	
Honduras	25.48	104	LM	17	LCN	15	
Pakistan	25.36	105	LM	18	CSA	7	
Ghana	25.27	106	LM	19	SSF	11	
Guatemala	25.07	107	UM	33	LCN	16	
El Salvador	24.89	108	LM	20	LCN	17	
Nepal	24.85	109	LI	6	CSA	8	
Bolivia (Plurinational State of)	24.76	110	LM	21	LCN	18	
Ethiopia	24.16	111	LI	7	SSF	12	
Mali	24.03	112	LI	8	SSF	13	
Algeria	23.98	113	UM	34	NAWA	18	
Nigeria	23.93	114	LM	22	SSF	14	
Cameroon	23.90	115	LM	23	SSF	15	
Bangladesh	23.31	116	LM	24	CSA	9	
Burkina Faso	23.30	117	LI	9	SSF	16	
Malawi	23.00	118	LI	10	SSF	17	
Mozambique	22.87	119	LI	11	SSF	18	
Nicaragua	22.55	120	LM	25	LCN	19	
Madagascar	22.38	121	LI	12	SSF	19	
Zimbabwe	22.30	122	LI	13	SSF	20	
Benin	20.42	123	LI	14	SSF	21	
Zambia	20.36	124	LM	26	SSF	22	
Guinea	19.50	125	LI	15	SSF	23	
Togo	18.54	126	LI	16	SSF	24	
Niger	18.13	127	LI	17	SSF	25	
Burundi	17.65	128	LI	18	SSF	26	
Yemen	14.49	129	LI	19	NAWA	19	

Notes: World Bank Income Group Classification (July 2018): LI = low income; LM = lower-middle income; UM = upper-middle income; and HI = high income. Regions are based on the United Nations Classification: EUR = Europe; NAC = Northern America; LCN = Latin America and the Caribbean; CSA = Central and Southern Asia; SEAO = South East Asia, East Asia, and Oceania; NAWA = Northern Africa and Western Asia; SSF = Sub-Saharan Africa.

## Innovation Input Sub-Index rankings, continued

Country/Economy	Score (0–100)	Rank	Income	Rank	Region	Rank	Median 43.46
Uruguay	43.31	66	HI	45	LCN	6	
Mauritius	43.25	67	UM	18	SSF	3	
Costa Rica	42.95	68	UM	19	LCN	7	
Bahrain	42.89	69	HI	46	NAWA	9	
Albania	42.42	70	UM	20	EUR	36	
Bosnia and Herzegovina	42.41	71	UM	21	EUR	37	
Argentina	42.34	72	HI	47	LCN	8	
Mongolia	42.24	73	LM	4	SEAO	12	
Tunisia	42.13	74	LM	5	NAWA	10	
Kuwait	41.90	75	HI	48	NAWA	11	
Philippines	41.68	76	LM	6	SEAO	13	
Azerbaijan	41.59	77	UM	22	NAWA	12	
Kyrgyzstan	41.48	78	LM	7	CSA	3	
Panama	41.06	79	HI	49	LCN	9	
Botswana	40.86	80	UM	23	SSF	4	
Republic of Moldova	40.77	81	LM	8	EUR	38	
Ukraine	40.73	82	LM	9	EUR	39	
Morocco	39.91	83	LM	10	NAWA	13	
Jamaica	39.47	84	UM	24	LCN	10	
Armenia	39.36	85	UM	25	NAWA	14	
Iran (Islamic Republic of)	39.00	86	UM	26	CSA	4	
Indonesia	38.64	87	LM	11	SEAO	14	
Trinidad and Tobago	38.63	88	HI	50	LCN	11	
Kenya	38.07	89	LM	12	SSF	5	
Dominican Republic	37.86	90	UM	27	LCN	12	
Jordan	37.10	91	UM	28	NAWA	15	
Lebanon	37.08	92	UM	29	NAWA	16	
Nepal	36.71	93	LI	2	CSA	5	
Sri Lanka	36.07	94	LM	13	CSA	6	
Paraguay	35.93	95	UM	30	LCN	13	
Uganda	35.66	96	LI	3	SSF	6	
El Salvador	35.62	97	LM	14	LCN	14	
Ecuador	35.42	98	UM	31	LCN	15	
Namibia	34.97	99	UM	32	SSF	7	
Algeria	34.64	100	UM	33	NAWA	17	
Honduras	34.46	101	LM	15	LCN	16	
Bolivia (Plurinational State of)	34.43	102	LM	16	LCN	17	
Senegal	33.58	103	LI	4	SSF	8	
Cambodia	33.51	104	LM	17	SEAO	15	
Guatemala	33.33	105	UM	34	LCN	18	
Egypt	33.32	106	LM	18	NAWA	18	
Tajikistan	33.12	107	LI	5	CSA	7	
Nicaragua	32.96	108	LM	19	LCN	19	
Ghana	32.80	109	LM	20	SSF	9	
Côte d'Ivoire	32.43	110	LM	21	SSF	10	
Burkina Faso	32.32	111	LI	6	SSF	11	
Cameroon	31.71	112	LM	22	SSF	12	
Pakistan	31.62	113	LM	23	CSA	8	
Benin	31.49	114	LI	7	SSF	13	
United Republic of Tanzania	31.47	115	LI	8	SSF	14	
Nigeria	31.46	116	LM	24	SSF	15	
Bangladesh	31.07	117	LM	25	CSA	9	
Mozambique	30.92	118	LI	9	SSF	16	
Malawi	30.76	119	LI	10	SSF	17	
Mali	30.73	120	LI	11	SSF	18	
Togo	29.79	121	LI	12	SSF	19	
Madagascar	29.30	122	LI	13	SSF	20	
Zimbabwe	29.22	123	LI	14	SSF	21	
Ethiopia	28.23	124	LI	15	SSF	22	
Niger	27.99	125	LI	16	SSF	23	
Zambia	27.97	126	LM	26	SSF	24	
Guinea	27.76	127	LI	17	SSF	25	
Burundi	26.54	128	LI	18	SSF	26	
Yemen	22.53	129	LI	19	NAWA	19	

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## Innovation Output Sub-Index rankings, continued

Country/Economy	Score (0–100)	Rank	Income	Rank	Region	Rank	Median 23.54
Morocco	23.34	66	LM	10	NAWA	9	
Brazil	22.93	67	UM	15	LCN	5	
South Africa	22.34	68	UM	16	SSF	2	
Jamaica	22.14	69	UM	17	LCN	6	
Qatar	22.13	70	HI	43	NAWA	10	
Jordan	22.12	71	UM	18	NAWA	11	
Panama	21.95	72	HI	44	LCN	7	
United Republic of Tanzania	21.78	73	LI	1	SSF	3	
Egypt	21.62	74	LM	11	NAWA	12	
Argentina	21.56	75	HI	45	LCN	8	
Colombia	20.94	76	UM	19	LCN	9	
Sri Lanka	20.83	77	LM	12	CSA	3	
Indonesia	20.80	78	LM	13	SEAO	13	
Bosnia and Herzegovina	20.41	79	UM	20	EUR	37	
Ethiopia	20.10	80	LI	2	SSF	4	
Senegal	20.09	81	LI	3	SSF	5	
Lebanon	20.00	82	UM	21	NAWA	13	
Tajikistan	19.74	83	LI	4	CSA	4	
Cambodia	19.68	84	LM	14	SEAO	14	
Saudi Arabia	19.46	85	HI	46	NAWA	14	
Peru	19.35	86	UM	22	LCN	10	
Bahrain	19.31	87	HI	47	NAWA	15	
Dominican Republic	19.25	88	UM	23	LCN	11	
Pakistan	19.10	89	LM	15	CSA	5	
Azerbaijan	18.83	90	UM	24	NAWA	16	
Côte d'Ivoire	18.67	91	LM	16	SSF	6	
Kazakhstan	18.32	92	UM	25	CSA	6	
Albania	18.26	93	UM	26	EUR	38	
Paraguay	18.25	94	UM	27	LCN	12	
Belarus	18.12	95	UM	28	EUR	39	
Mauritius	17.96	96	UM	29	SSF	7	
Ghana	17.74	97	LM	17	SSF	8	
Ecuador	17.71	98	UM	30	LCN	13	
Trinidad and Tobago	17.54	99	HI	48	LCN	14	
Mali	17.34	100	LI	5	SSF	9	
Oman	16.88	101	HI	49	NAWA	17	
Guatemala	16.81	102	UM	31	LCN	15	
Namibia	16.73	103	UM	32	SSF	10	
Honduras	16.51	104	LM	18	LCN	16	
Nigeria	16.40	105	LM	19	SSF	11	
Cameroon	16.09	106	LM	20	SSF	12	
Uganda	15.55	107	LI	6	SSF	13	
Bangladesh	15.55	108	LM	21	CSA	7	
Madagascar	15.47	109	LI	7	SSF	14	
Zimbabwe	15.38	110	LI	8	SSF	15	
Kyrgyzstan	15.29	111	LM	22	CSA	8	
Malawi	15.25	112	LI	9	SSF	16	
Bolivia (Plurinational State of)	15.09	113	LM	23	LCN	17	
Mozambique	14.82	114	LI	10	SSF	17	
Burkina Faso	14.29	115	LI	11	SSF	18	
El Salvador	14.16	116	LM	24	LCN	18	
Botswana	13.99	117	UM	33	SSF	19	
Algeria	13.32	118	UM	34	NAWA	18	
Nepal	12.99	119	LI	12	CSA	9	
Brunei Darussalam	12.95	120	HI	50	SEAO	15	
Zambia	12.74	121	LM	25	SSF	20	
Nicaragua	12.13	122	LM	26	LCN	19	
Rwanda	11.31	123	LI	13	SSF	21	
Guinea	11.24	124	LI	14	SSF	22	
Benin	9.36	125	LI	15	SSF	23	
Burundi	8.75	126	LI	16	SSF	24	
Niger	8.26	127	LI	17	SSF	25	
Togo	7.29	128	LI	18	SSF	26	
Yemen	6.44	129	LI	19	NAWA	19	

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Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$	GDP per capita, PPP\$	GII 2018 rank
102	105	Upper middle	LCN	17.2	145.2	8,436.4	102
		Score/Value	Rank				Score/Value Rank
<b>INSTITUTIONS</b> ..... 48.1 117 ◊				<b>BUSINESS SOPHISTICATION</b> ..... 33.7 50 ●			
1.1	<b>Political environment</b> .....	38.2	113	◊	5.1	<b>Knowledge workers</b> .....	27.2 88
1.1.1	Political and operational stability*.....	52.6	118	◊	5.1.1	Knowledge-intensive employment, %.....	9.1 101 ◊
1.1.2	Government effectiveness*.....	31.0	108	◊	5.1.2	Firms offering formal training, % firms.....	51.9 17 ● ◊
1.2	<b>Regulatory environment</b> .....	48.9	112	◊	5.1.3	GERD performed by business, % GDP.....	0.0 93 ◊ ◊
1.2.1	Regulatory quality*.....	35.1	91		5.1.4	GERD financed by business, %.....	n/a n/a
1.2.2	Rule of law*.....	18.3	123	◊	5.1.5	Females employed w/advanced degrees, %.....	2.2 99 ◊
1.2.3	Cost of redundancy dismissal, salary weeks.....	27.0	104		5.2	<b>Innovation linkages</b> .....	39.4 29 ● ◊
1.3	<b>Business environment</b> .....	57.2	112	◊	5.2.1	University/industry research collaboration*.....	41.6 62
1.3.1	Ease of starting a business*.....	86.7	71		5.2.2	State of cluster development.....	42.9 82
1.3.2	Ease of resolving insolvency*.....	27.6	124	◊	5.2.3	GERD financed by abroad, %.....	49.0 4 ● ◊
					5.2.4	JV-strategic alliance deals/bn PPP\$ GDP.....	0.0 101
					5.2.5	Patent families 2+ offices/bn PPP\$ GDP.....	0.0 93 ◊ ◊
<b>HUMAN CAPITAL &amp; RESEARCH</b> ..... 11.1 121 ◊				<b>KNOWLEDGE &amp; TECHNOLOGY OUTPUTS</b> .... 12.5 111			
2.1	<b>Education</b> .....	26.2	115	◊	5.3	<b>Knowledge absorption</b> .....	34.4 59
2.1.1	Expenditure on education, % GDP.....	2.8	108	◊	5.3.1	Intellectual property payments, % total trade.....	1.2 27 ●
2.1.2	Government funding/pupil, secondary, % GDP/cap... ..	5.1	105	◊ ◊	5.3.2	High-tech imports, % total trade.....	9.9 31 ●
2.1.3	School life expectancy, years.....	10.8	100	◊	5.3.3	ICT services imports, % total trade.....	0.9 75
2.1.4	PISA scales in reading, maths, & science.....	n/a	n/a		5.3.4	FDI net inflows, % GDP.....	1.6 91
2.1.5	Pupil-teacher ratio, secondary.....	10.5	36	●	5.3.5	Research talent, % in business enterprise.....	n/a n/a
2.2	<b>Tertiary education</b> .....	6.9	117	◊	5.3.1	Intellectual property payments, % total trade.....	1.2 27 ●
2.2.1	Tertiary enrolment, % gross.....	21.8	90	◊	5.3.2	High-tech imports, % total trade.....	9.9 31 ●
2.2.2	Graduates in science & engineering, %.....	9.8	100	◊ ◊	5.3.3	ICT services imports, % total trade.....	0.9 75
2.2.3	Tertiary inbound mobility, %.....	n/a	n/a		5.3.4	FDI net inflows, % GDP.....	1.6 91
2.3	<b>Research &amp; development (R&amp;D)</b> .....	0.1	117		5.3.5	Research talent, % in business enterprise.....	n/a n/a
2.3.1	Researchers, FTE/mn pop.....	22.2	103	◊	5.3.1	Intellectual property payments, % total trade.....	1.2 27 ●
2.3.2	Gross expenditure on R&D, % GDP.....	0.0	112	◊	5.3.2	High-tech imports, % total trade.....	9.9 31 ●
2.3.3	Global R&D companies, avg. exp. top 3, mn US\$.....	0.0	43	◊ ◊	5.3.3	ICT services imports, % total trade.....	0.9 75
2.3.4	QS university ranking, average score top 3*.....	0.0	78	◊ ◊	5.3.4	FDI net inflows, % GDP.....	1.6 91
<b>INFRASTRUCTURE</b> ..... 30.6 112 ◊				<b>KNOWLEDGE &amp; TECHNOLOGY OUTPUTS</b> .... 12.5 111			
3.1	<b>Information &amp; communication technologies(ICTs)</b> .....	49.0	98	◊	6.1	<b>Knowledge creation</b> .....	1.3 126
3.1.1	ICT access*.....	48.7	91	◊	6.1.1	Patents by origin/bn PPP\$ GDP.....	0.0 125 ◊
3.1.2	ICT use*.....	20.8	107	◊	6.1.2	PCT patents by origin/bn PPP\$ GDP.....	0.0 96
3.1.3	Government's online service*.....	64.6	83		6.1.3	Utility models by origin/bn PPP\$ GDP.....	0.1 60
3.1.4	E-participation*.....	61.8	88		6.1.4	Scientific & technical articles/bn PPP\$ GDP.....	0.5 127 ◊ ◊
3.2	<b>General infrastructure</b> .....	11.6	127	◊ ◊	6.1.5	Citable documents H-index.....	3.6 108
3.2.1	Electricity output, kWh/mn pop.....	750.9	99	◊	6.2	<b>Knowledge impact</b> .....	24.7 106
3.2.2	Logistics performance*.....	16.4	112	◊	6.2.1	Growth rate of PPP\$ GDP/worker, %.....	-0.5 99
3.2.3	Gross capital formation, % GDP.....	12.1	122	◊	6.2.2	New businesses/th pop. 15-64.....	0.5 83
3.3	<b>Ecological sustainability</b> .....	31.2	89	◊	6.2.3	Computer software spending, % GDP.....	0.0 122 ◊
3.3.1	GDP/unit of energy use.....	8.5	69		6.2.4	ISO 9001 quality certificates/bn PPP\$ GDP.....	1.5 96
3.3.2	Environmental performance*.....	52.3	90	◊	6.2.5	High- & medium-high-tech manufactures, %.....	n/a n/a
3.3.3	ISO 14001 environmental certificates/bn PPP\$ GDP..	0.1	121		6.3	<b>Knowledge diffusion</b> .....	11.6 95
<b>MARKET SOPHISTICATION</b> ..... 43.2 93				<b>CREATIVE OUTPUTS</b> ..... 21.1 90			
4.1	<b>Credit</b> .....	32.3	82		7.1	<b>Intangible assets</b> .....	39.8 69
4.1.1	Ease of getting credit*.....	80.0	20	●	7.1.1	Trademarks by origin/bn PPP\$ GDP.....	45.0 56
4.1.2	Domestic credit to private sector, % GDP.....	33.3	90		7.1.2	Industrial designs by origin/bn PPP\$ GDP.....	0.1 112
4.1.3	Microfinance gross loans, % GDP.....	0.2	45		7.1.3	ICTs & business model creation*.....	64.4 52 ●
4.2	<b>Investment</b> .....	31.7	[113]		7.1.4	ICTs & organizational model creation*.....	57.0 56 ●
4.2.1	Ease of protecting minority investors*.....	31.7	126	◊ ◊	7.2	<b>Creative goods &amp; services</b> .....	2.9 [110]
4.2.2	Market capitalization, % GDP.....	n/a	n/a		7.2.1	Cultural & creative services exports, % total trade.....	0.0 94
4.2.3	Venture capital deals/bn PPP\$ GDP.....	n/a	n/a		7.2.2	National feature films/mn pop. 15-69.....	1.2 77
4.3	<b>Trade, competition, &amp; market scale</b> .....	65.5	50	●	7.2.3	Entertainment & Media market/th pop. 15-69.....	n/a n/a
4.3.1	Applied tariff rate, weighted avg., %.....	1.4	14	●	7.2.4	Printing & other media, % manufacturing.....	n/a n/a
4.3.2	Intensity of local competition*.....	72.8	41	●	7.2.5	Creative goods exports, % total trade.....	0.3 74
4.3.3	Domestic market scale, bn PPP\$.....	145.2	71		7.3	<b>Online creativity</b> .....	1.8 87
					7.3.1	Generic top-level domains (TLDs)/th pop. 15-69.....	4.1 59
					7.3.2	Country-code TLDs/th pop. 15-69.....	0.5 93
					7.3.3	Wikipedia edits/mn pop. 15-69.....	3.9 88
					7.3.4	Mobile app creation/bn PPP\$ GDP.....	0.0 97 ◊

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◊ an income group weakness; \* an index; † a survey question. ⊕ indicates that the economy's data are older than the base year; see Appendix II for details, including the year of the data, at <http://globalinnovationindex.org>. Square brackets [ ] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.

TABLE A-V.4

## GII 2019 and Input/Output Sub-Indices: ranks and 90% confidence intervals, continued

	GII 2019		Input Sub-Index		Output Sub-Index	
	Rank	Interval	Rank	Interval	Rank	Interval
Brazil	66	[61, 66]	60	[49, 63]	67	[66, 68]
Colombia	67	[64, 70]	58	[50, 62]	76	[73, 79]
Saudi Arabia	68	[67, 77]	49	[42, 62]	85	[83, 94]
Peru	69	[67, 75]	48	[46, 60]	86	[84, 89]
Tunisia	70	[66, 74]	74	[62, 80]	65	[65, 73]
Brunei Darussalam	71	[67, 94]	35	[35, 46]	120	[110, 121]
Belarus	72	[53, 80]	50	[43, 56]	95	[58, 104]
Argentina	73	[67, 75]	72	[58, 76]	75	[72, 75]
Morocco	74	[67, 76]	83	[75, 87]	66	[63, 66]
Panama	75	[66, 87]	79	[70, 91]	72	[62, 92]
Bosnia and Herzegovina	76	[72, 86]	71	[63, 89]	79	[74, 82]
Kenya	77	[71, 81]	89	[81, 95]	64	[64, 65]
Bahrain	78	[76, 84]	69	[64, 75]	87	[85, 97]
Kazakhstan	79	[76, 80]	64	[59, 67]	92	[90, 97]
Oman	80	[76, 88]	57	[48, 65]	101	[99, 116]
Jamaica	81	[75, 83]	84	[74, 89]	69	[67, 76]
Mauritius	82	[72, 86]	67	[65, 71]	96	[75, 99]
Albania	83	[82, 93]	70	[69, 85]	93	[92, 107]
Azerbaijan	84	[82, 87]	77	[72, 85]	90	[88, 93]
Indonesia	85	[78, 86]	87	[76, 89]	78	[76, 81]
Jordan	86	[79, 86]	91	[82, 98]	71	[70, 81]
Dominican Republic	87	[87, 96]	90	[88, 94]	88	[87, 100]
Lebanon	88	[76, 90]	92	[84, 93]	82	[68, 89]
Sri Lanka	89	[82, 91]	94	[89, 101]	77	[74, 83]
Kyrgyzstan	90	[87, 99]	78	[70, 85]	111	[108, 119]
Trinidad and Tobago	91	[90, 105]	88	[84, 90]	99	[95, 121]
Egypt	92	[83, 96]	106	[99, 107]	74	[69, 82]
Botswana	93	[90, 101]	80	[75, 86]	117	[106, 117]
Rwanda	94	[89, 121]	65	[62, 89]	123	[114, 124]
Paraguay	95	[88, 109]	95	[92, 99]	94	[72, 116]
Senegal	96	[90, 99]	103	[101, 110]	81	[72, 82]
United Republic of Tanzania	97	[96, 109]	115	[108, 120]	73	[72, 101]
Cambodia	98	[95, 102]	104	[100, 116]	84	[81, 89]
Ecuador	99	[94, 103]	98	[94, 101]	98	[94, 109]
Tajikistan	100	[90, 112]	107	[100, 116]	83	[80, 98]
Namibia	101	[89, 121]	99	[94, 106]	103	[76, 120]
Uganda	102	[102, 112]	96	[94, 103]	107	[105, 120]
Côte d'Ivoire	103	[99, 107]	110	[107, 114]	91	[86, 95]
Honduras	104	[94, 105]	101	[97, 106]	104	[85, 104]
Pakistan	105	[98, 108]	113	[104, 116]	89	[83, 96]
Ghana	106	[97, 108]	109	[101, 110]	97	[93, 103]
Guatemala	107	[103, 110]	105	[101, 113]	102	[99, 110]
El Salvador	108	[94, 117]	97	[95, 99]	116	[92, 119]
Nepal	109	[102, 115]	93	[91, 105]	119	[103, 120]
Bolivia (Plurinational State of)	110	[103, 111]	102	[93, 104]	113	[110, 120]
Ethiopia	111	[103, 121]	124	[123, 127]	80	[80, 101]
Mali	112	[108, 116]	120	[112, 122]	100	[94, 105]
Algeria	113	[109, 118]	100	[92, 105]	118	[115, 126]
Nigeria	114	[109, 115]	116	[108, 118]	105	[100, 112]
Cameroon	115	[106, 118]	112	[107, 117]	106	[100, 117]
Bangladesh	116	[114, 121]	117	[110, 124]	108	[105, 115]
Burkina Faso	117	[115, 124]	111	[109, 122]	115	[113, 122]
Malawi	118	[115, 127]	119	[116, 123]	112	[108, 126]
Mozambique	119	[111, 126]	118	[109, 123]	114	[112, 124]
Nicaragua	120	[113, 122]	108	[105, 117]	122	[104, 122]
Madagascar	121	[113, 122]	122	[120, 127]	109	[90, 109]
Zimbabwe	122	[111, 127]	123	[110, 127]	110	[107, 123]
Benin	123	[120, 124]	114	[108, 121]	125	[123, 125]
Zambia	124	[120, 126]	126	[113, 129]	121	[117, 127]
Guinea	125	[121, 127]	127	[124, 127]	124	[109, 126]
Togo	126	[105, 127]	121	[116, 123]	128	[83, 128]
Niger	127	[119, 129]	125	[122, 127]	127	[104, 129]
Burundi	128	[125, 128]	128	[124, 129]	126	[125, 128]
Yemen	129	[128, 129]	129	[128, 129]	129	[128, 129]

Source: European Commission Joint Research Centre, 2019.

Notes: Confidence intervals are calculated over 4,000 simulated scenarios combining simulated weights, imputation versus no imputation of missing values, and geometric versus arithmetic average at the pillar level.