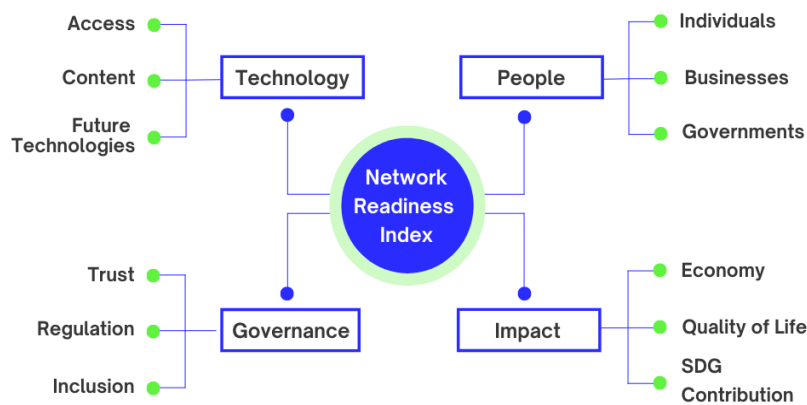


# Network Readiness Index 2022 Jamaica

The Network Readiness Index (NRI) is one of the leading global indices on the application and impact of information and communication technology (ICT) in economies around the world. In its latest version of 2022 the NRI Report maps the network-based readiness landscape of 131 economies based on their performances in four different pillars: Technology, People, Governance, and Impact. Each of these pillars is itself comprised of three sub-pillars (see Figure 1) that have been populated by a total of 58 variables.

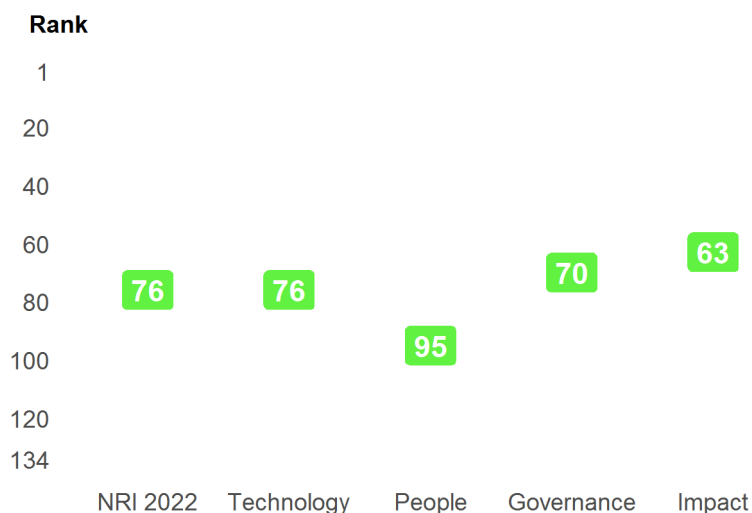
**Figure 1: The NRI 2022 model**



## Global NRI position of Jamaica

Jamaica ranks 76th out of the 131 economies included in the NRI 2022 (Figure 2). Its main strength relates to Impact. The greatest scope for improvement, meanwhile, concerns People.

**Figure 2: Jamaica global ranking, overall and by pillar**



### Performance at sub-pillar level

When it comes to sub-pillars, the strongest showings of Jamaica relate to Regulation, Future Technologies and SDG Contribution, among others (Table 1). More could be done, though, to improve the economy's performances in the Individuals, Businesses and Trust sub-pillars.

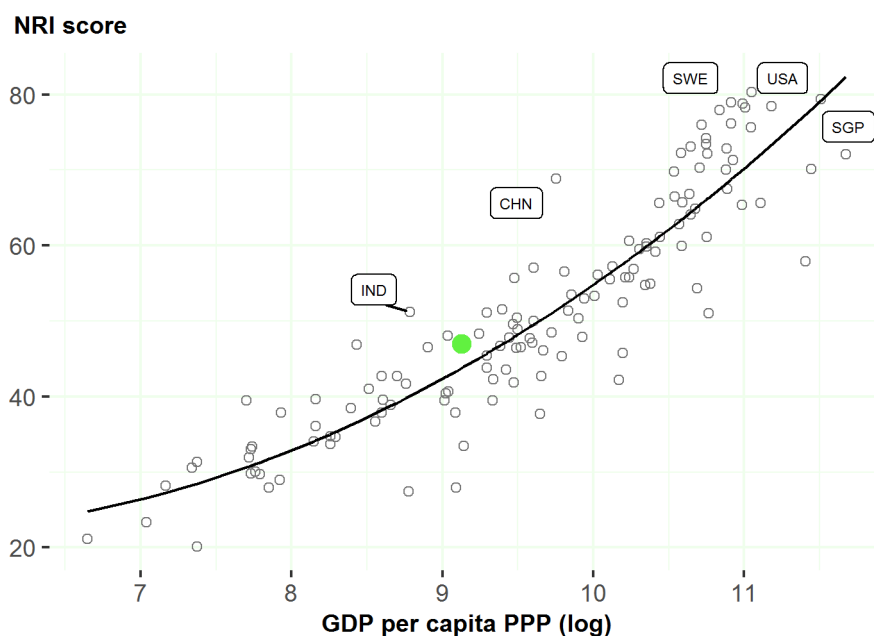
**Table 1: Jamaica rankings by sub-pillar**

Sub-pillar	Rank	Sub-pillar	Rank
Regulation	29	Access	82
Future Technologies	43	Governments	89
SDG Contribution	56	Content	92
Economy	70	Individuals	94
Quality of Life	75	Businesses	97
Inclusion	81	Trust	98

### NRI score and income

Figure 3 shows the position of Jamaica in terms of both NRI score and GDP per capita (PPP). The trend line shows the expected NRI score given an economy's income level. As can be seen, Jamaica is well above the trend line, which suggests that it has a greater network readiness than would be expected given its income level.

**Figure 3: NRI score and GDP per capita PPP (log)**



Note: USA = United States (rank: 1), SGP = Singapore (rank: 2), SWE = Sweden (3), CHN = China (23), IND = India (61). Netherlands (NLD) is ranked 4th. Jamaica belongs to the group of upper-middle-income countries, where the best performer is China (CHN). The top performer of its region-The Americas-is United States of America (USA).

## Performance against its income group and region

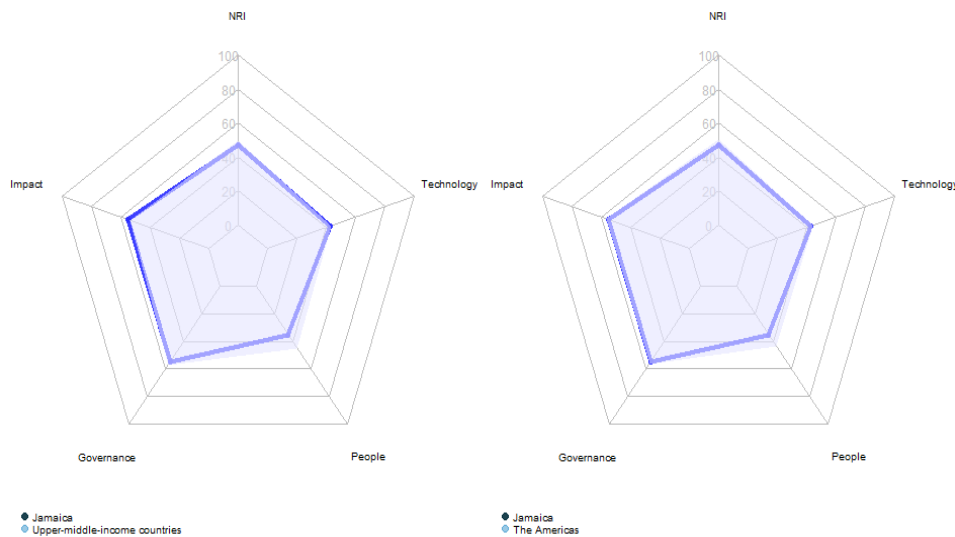
### Upper-middle-income countries

Jamaica is ranked 23rd in the group of upper-middle-income countries (Figure 4, left panel). In terms of pillar performance, it has a score higher than the income group average in one of the four pillars: impact. At the sub-pillar level, it outperforms upper-middle-income countries in four of the twelve sub-pillars: Future Technologies, Regulation, Quality of Life and SDG Contribution.

### The Americas

Jamaica is ranked 10th within The Americas (Figure 4, right panel). It lags behind its region in each of the four pillars. With regard to sub-pillars, it outperforms the average in The Americas in two of the twelve sub-pillars: Future Technologies and Regulation.

**Figure 4: Performance of Jamaica against its income group and region, overall and by pillar**



**Table 2: Jamaica scores vs. averages of its income group and region, overall and by pillar**

Dimension	Jamaica	Upper-middle-income countries	The Americas
NRI	46.96	49.66	50.09
Technology	42.51	43.11	44.16
People	35.10	44.94	43.67
Governance	55.16	57.08	56.24
Impact	55.07	53.50	56.30

### Strongest and weakest indicators

The indicators where Jamaica performs particularly well include 3.2.4 E-commerce legislation, 3.3.4 Gender gap in Internet use, and 3.2.5 Privacy protection by law content (Table 3). By contrast, the economy's weakest indicators include 4.1.4 Domestic market size, 2.3.1 Government online services, and 3.3.1 E-Participation.

**Table 3: Strongest and weakest indicators of Jamaica**

<b>Strongest indicators</b>	<b>Rank</b>	<b>Weakest indicators</b>	<b>Rank</b>
3.2.4 E-commerce legislation	1	4.1.2 High-tech exports	102
3.3.4 Gender gap in Internet use	2	2.1.1 Mobile broadband internet traffic within the country	106
3.2.5 Privacy protection by law content	6	3.3.1 E-Participation	113
1.3.4 Computer software spending	23	2.3.1 Government online services	115
1.1.6 Internet access in schools	39	4.1.4 Domestic market size	120
4.3.5 SDG 11: Sustainable Cities and Communities	42		
4.1.6 ICT services exports	46		
2.3.2 Publication and use of open data	47		
4.1.5 Prevalence of gig economy	56		
4.2.4 Healthy life expectancy at birth	58		
4.2.1 Happiness	63		

# NRI 2022 At-A-Glance: Jamaica

Network Readiness Index

Rank: 76 (out of 131)

Score: 46.96

Pillar/sub-pillar	Rank	Score	Pillar/sub-pillar	Rank	Score
A. Technology pillar	76	42.51	C. Governance pillar	70	55.16
1st sub-pillar: Access	82	58.53	1st sub-pillar: Trust	98	30.12
2nd sub-pillar: Content	92	29.52	2nd sub-pillar: Regulation	29	77.63
3rd sub-pillar: Future Technologies	43	39.49	3rd sub-pillar: Inclusion	81	57.73
B. People pillar	95	35.10	D. Impact pillar	63	55.07
1st sub-pillar: Individuals	94	38.76	1st sub-pillar: Economy	70	29.78
2nd sub-pillar: Businesses	97	31.31	2nd sub-pillar: Quality of Life	75	66.59
3rd sub-pillar: Governments	89	35.24	3rd sub-pillar: SDG Contribution	56	68.83

## The Network Readiness Index in detail

Indicator	Rank	Score	Indicator	Rank	Score
<b>A. Technology pillar</b>	76	42.51	<b>C. Governance pillar</b>	70	55.16
1st sub-pillar: Access	82	58.53	1st sub-pillar: Trust	98	30.12
1.1.1 Mobile tariffs	103	37.13	3.1.1 Secure Internet servers	94	40.50
1.1.2 Handset prices	80	46.09	3.1.2 Cybersecurity	105	31.34
1.1.3 FTTH/building Internet subscriptions	65	22.57	3.1.3 Online access to financial account	NA	NA
1.1.4 Population covered by at least a 3G mobile network	55	99.68	3.1.4 Internet shopping	67	18.51
1.1.5 International Internet bandwidth	86	66.87	2nd sub-pillar: Regulation	29	77.63
1.1.6 Internet access in schools	39	78.83	3.2.1 Regulatory quality	67	43.47
2nd sub-pillar: Content	92	29.52	3.2.2 ICT regulatory environment	84	74.71
1.2.1 GitHub commits	87	2.80	3.2.3 Regulation of emerging technologies	NA	NA
1.2.2 Internet domain registrations	90	1.32	3.2.4 E-commerce legislation	1	100.00
1.2.3 Mobile apps development	87	71.00	3.2.5 Privacy protection by law content	6	92.35
1.2.4 AI scientific publications	63	42.95	3rd sub-pillar: Inclusion	81	57.73
3rd sub-pillar: Future Technologies	43	39.49	3.3.1 E-Participation	113	34.56
1.3.1 Adoption of emerging technologies	75	43.00	3.3.2 Socioeconomic gap in use of digital payments	84	56.09
1.3.2 Investment in emerging technologies	71	38.00	3.3.3 Availability of local online content	65	60.34
1.3.3 Robot density	NA	NA	3.3.4 Gender gap in Internet use	2	96.76
1.3.4 Computer software spending	23	37.48	3.3.5 Rural gap in use of digital payments	101	40.88

Indicator	Rank	Score	Indicator	Rank	Score
<b>B. People pillar</b>	95	35.10	<b>D. Impact pillar</b>	63	55.07
<i>1st sub-pillar: Individuals</i>	94	38.76	<i>1st sub-pillar: Economy</i>	70	29.78
2.1.1 Mobile broadband internet traffic within the country	106	1.13	4.1.1 High-tech and medium-high-tech manufacturing	NA	NA
2.1.2 ICT skills in the education system	89	36.69	4.1.2 High-tech exports	102	4.42
2.1.3 Use of virtual social networks	86	53.94	4.1.3 PCT patent applications	NA	NA
2.1.4 Tertiary enrollment	87	17.31	4.1.4 Domestic market size	120	32.23
2.1.5 Adult literacy rate	69	84.71	4.1.5 Prevalence of gig economy	56	44.77
2.1.6 AI talent concentration	NA	NA	4.1.6 ICT services exports	46	37.70
<i>2nd sub-pillar: Businesses</i>	97	31.31	<i>2nd sub-pillar: Quality of Life</i>	75	66.59
2.2.1 Firms with website	94	31.08	4.2.1 Happiness	63	64.73
2.2.2 GERD financed by business enterprise	NA	NA	4.2.2 Freedom to make life choices	92	60.30
2.2.3 Knowledge intensive employment	71	31.54	4.2.3 Income inequality	NA	NA
2.2.4 Annual investment in telecommunication services	NA	NA	4.2.4 Healthy life expectancy at birth	58	74.73
2.2.5 GERD performed by business enterprise	NA	NA	<i>3rd sub-pillar: SDG Contribution</i>	56	68.83
<i>3rd sub-pillar: Governments</i>	89	35.24	4.3.1 SDG 3: Good Health and Well-Being	67	68.54
2.3.1 Government online services	115	36.97	4.3.2 SDG 4: Quality Education	NA	NA
2.3.2 Publication and use of open data	47	35.29	4.3.3 SDG 5: Women's economic opportunity	109	55.26
2.3.3 Government promotion of investment in emerging tech	78	33.47	4.3.4 SDG 7: Affordable and Clean Energy	82	73.85
2.3.4 R&D expenditure by governments and higher education	NA	NA	4.3.5 SDG 11: Sustainable Cities and Communities	42	77.67

NOTE: ● a strength and ○ a weakness.

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