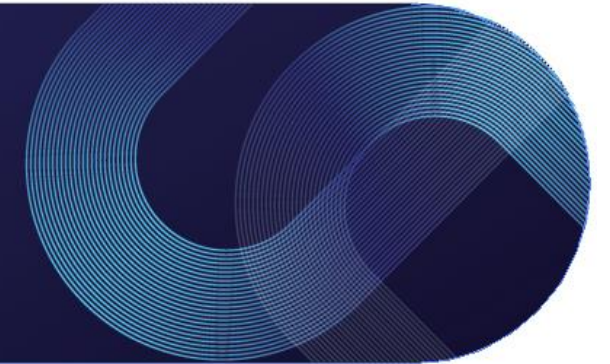


Measurement of Meaningful Connectivity: Case Studies

School of Digital Transformation
and Innovation in the Caribbean **2025**
16-20 June





Why Measuring Meaningful Connectivity Matters



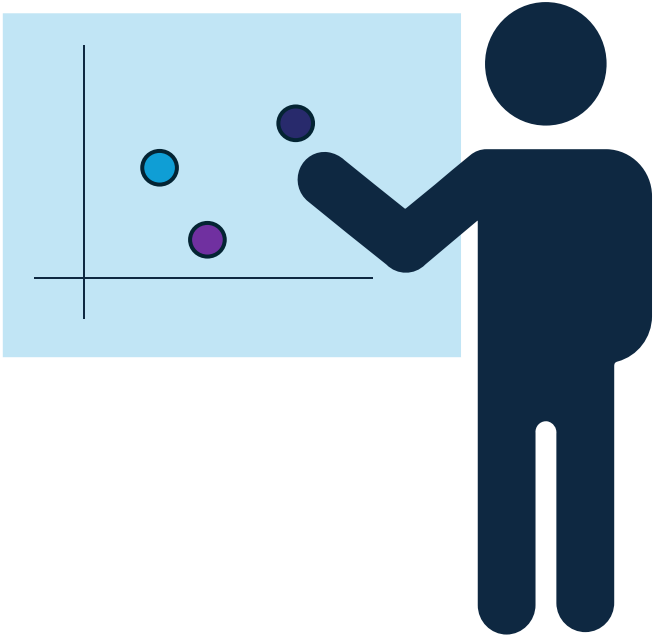
In the digital age, simply being connected is no longer enough. **Meaningful connectivity** goes beyond basic Internet access—it ensures that individuals can use the Internet **frequently, effectively, and safely**, with the **skills, quality, and devices** required to benefit from digital opportunities.

For Latin America and the Caribbean, advancing meaningful connectivity is essential to:

- **Reduce digital inequality** and empower excluded populations.
- **Enable productive, educational, and civic participation** online.
- **Ensure that connectivity translates into real development outcomes**, such as employment, innovation, and public service delivery.

Traditional metrics (connected vs. non-connected) are **no longer adequate** to capture the complexity of digital inclusion.

Defining Meaningful Connectivity



- With EU support, a **Working Group on Meaningful Connectivity** was established under the **eLAC framework**.
 - Promote **technical discussions** on policy design.
 - Develop a **conceptual framework** for measuring meaningful connectivity.
 - **Compile regional practices** that foster inclusive and effective digital access in Latin America and the Caribbean.



Benchmarking Meaningful Connectivity: Insights from Global Frameworks

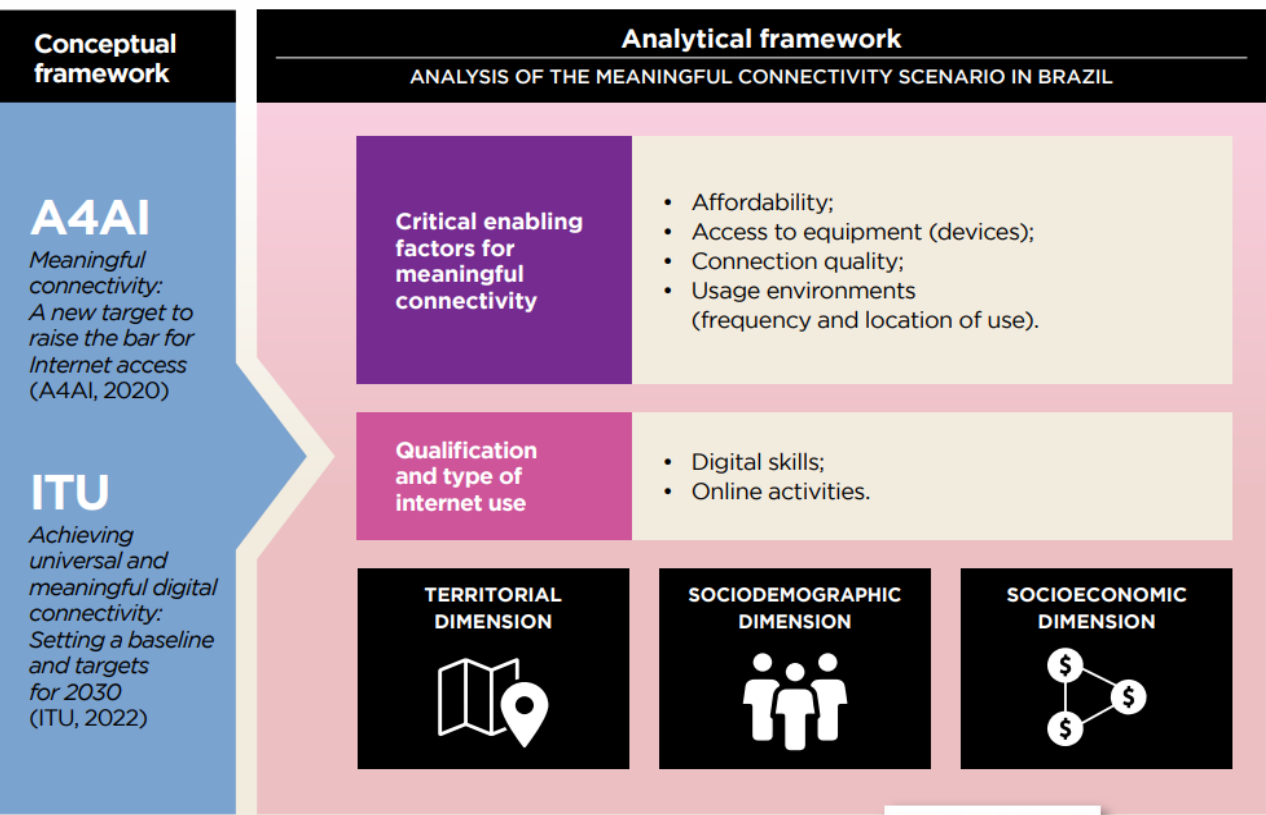
Dimension	Intensity	Relevance	Affordability	Quality	Impact	Device
ECLAC	Intensive use	Relevant uses + Digital Skills	X	Simultaneous activities	X	Adequate device
A4AI / GDIP	Daily use + unlimited access in a regular place	X	X	4G-compatible speed	X	Own appropriate device (smartphone)
Broadband Commission	Adoption + available + accessible	Relevant	Affordable	Safe + reliable	Empowering + leads to positive impact	X
ITU	X	Satisfactory	Affordable	Safe	Enriching + productive experience	X
Proposed Conceptual Framework	Frequent	Relevant	Affordable	High quality and safe	Empowers autonomy	Through an adequate device

Meaningful connectivity is a broad concept that considers the **massification of broadband Internet services** of **adequate quality** and at **affordable prices**, as well as **access devices** and also the development of **digital skills** for their use.



MEANINGFUL CONNECTIVITY IN BRAZIL

FIGURE 1 - CONCEPTUAL AND ANALYTICAL FRAMEWORK OF THE STUDY

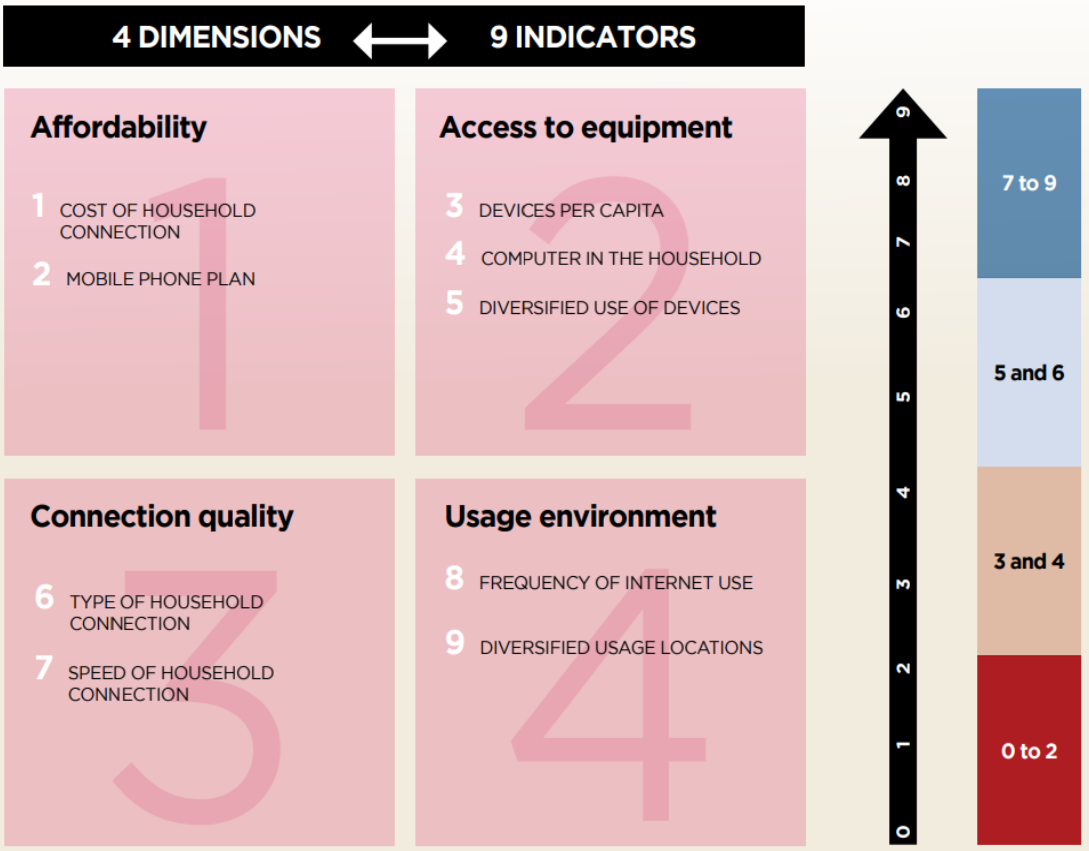


SOURCE: PREPARED BY THE AUTHOR.



cetic.br nic.br

FIGURE 2 - LEVELS OF MEANINGFUL CONNECTIVITY

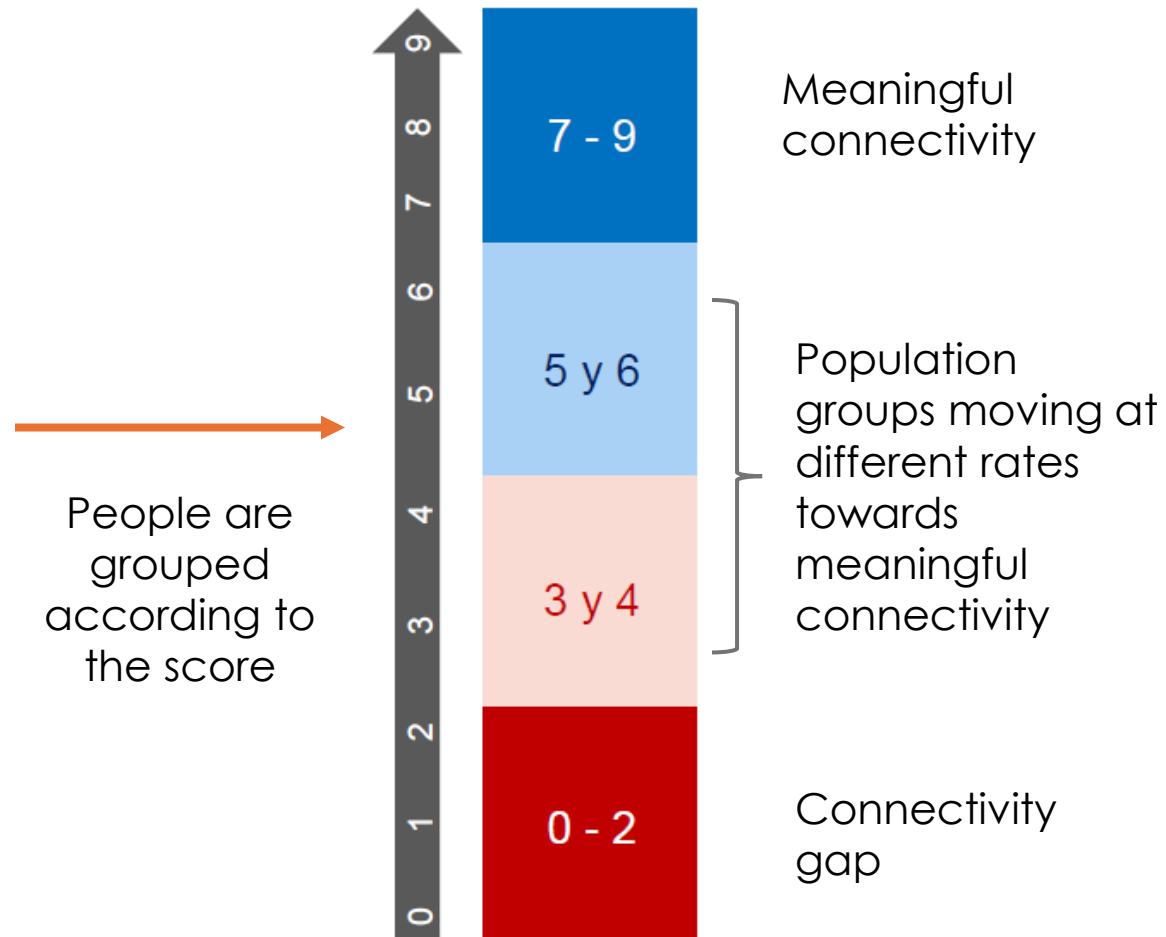


SOURCE: PREPARED BY THE AUTHOR.

Methodology for Measuring Meaningful Connectivity

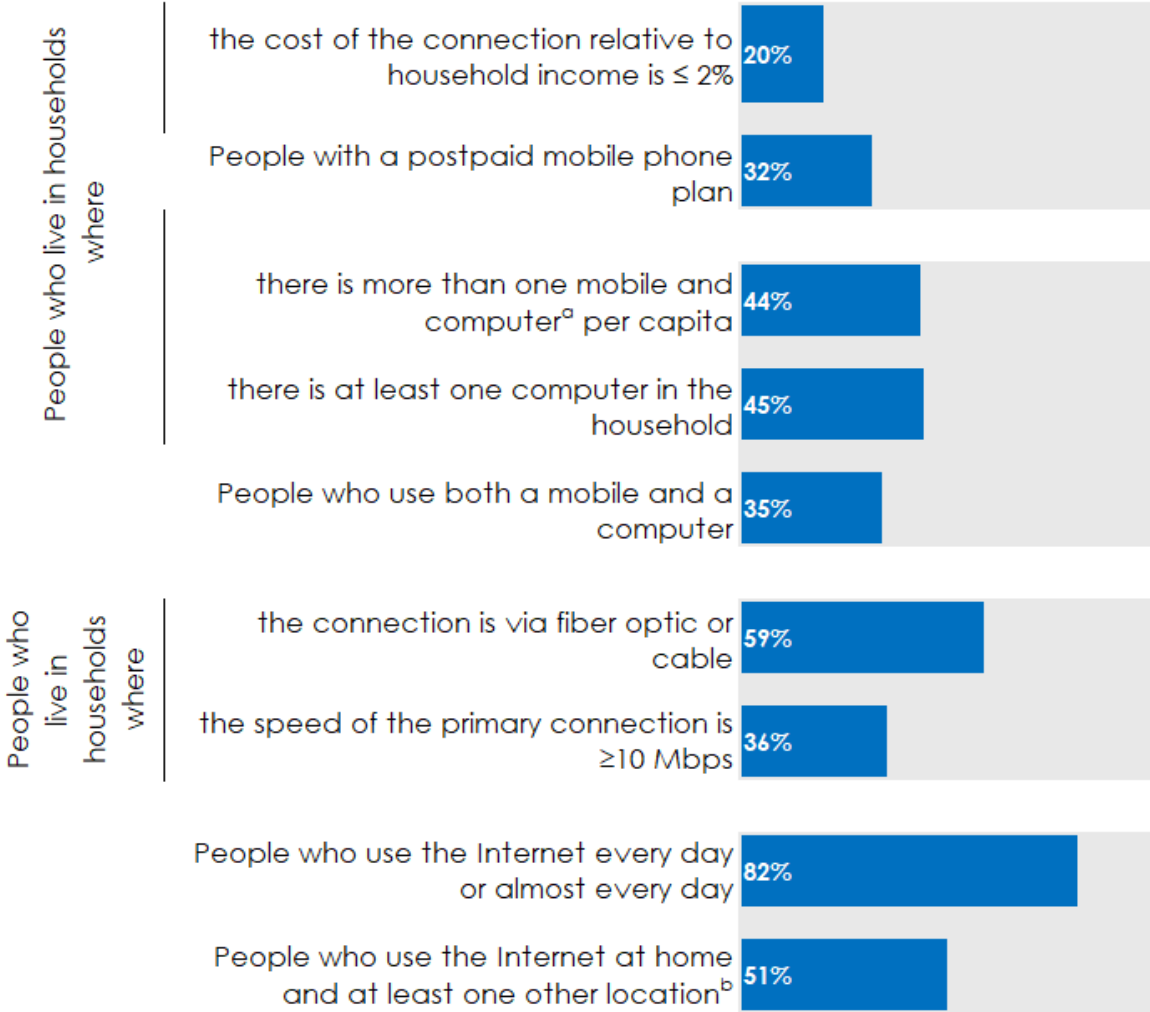
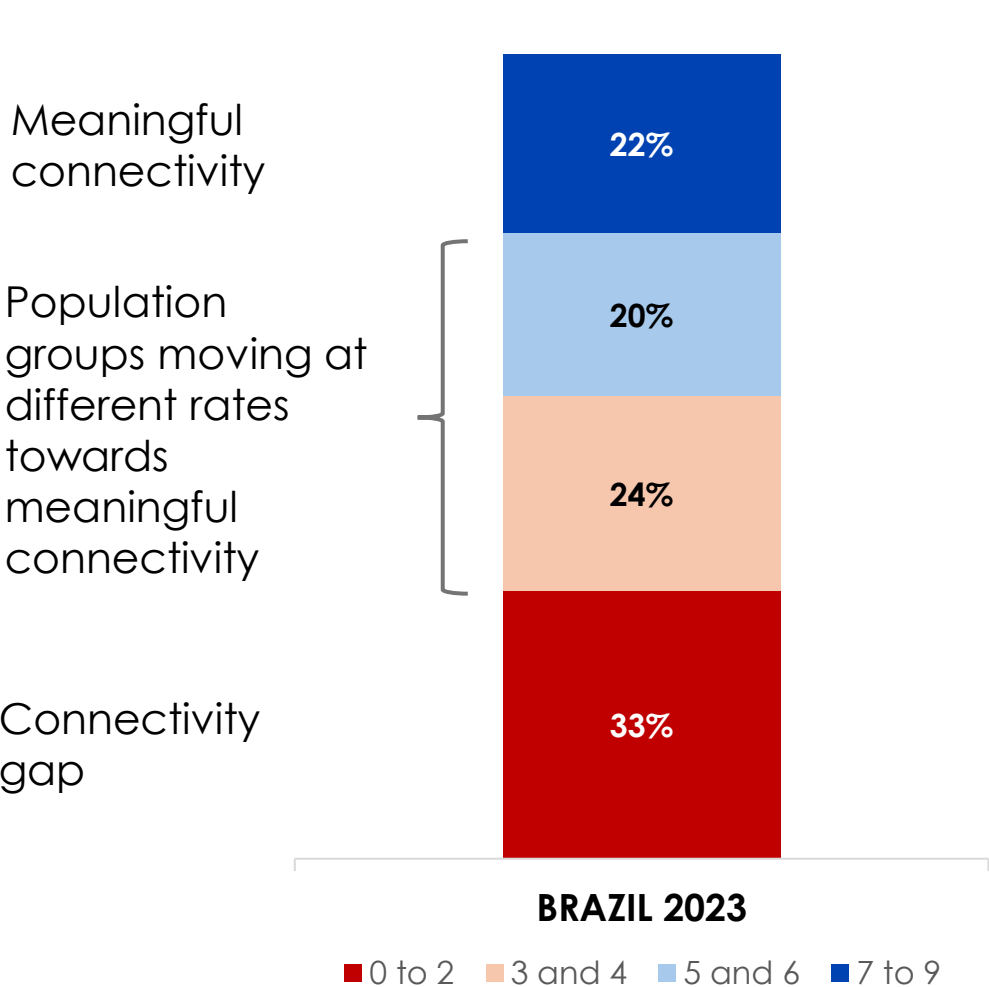
Dimension	Criteria	Score
Affordability	Cost of the Internet connection less than 2% of the HH income	1
		Otherwise 0
	Post-paid mobile phone plan	1
		Otherwise 0
Access to equipment (devices)	Devices (mobile+ computer) per resident > 1	1
		Otherwise 0
	Presence of computer in the HH	1
		Otherwise 0
	Use of mobile phone and computer	1
		Otherwise 0
Connection quality	Fiber optic or cable HH connection	1
		Otherwise 0
	Speed of the main Internet connection in the HH > 10 Mbps	1
		Otherwise 0
Usage environment	Internet usage every day	1
		Otherwise 0
	Internet usage at home and in at least one other location	1
		Otherwise 0

TOTAL SCORE 0 a 9

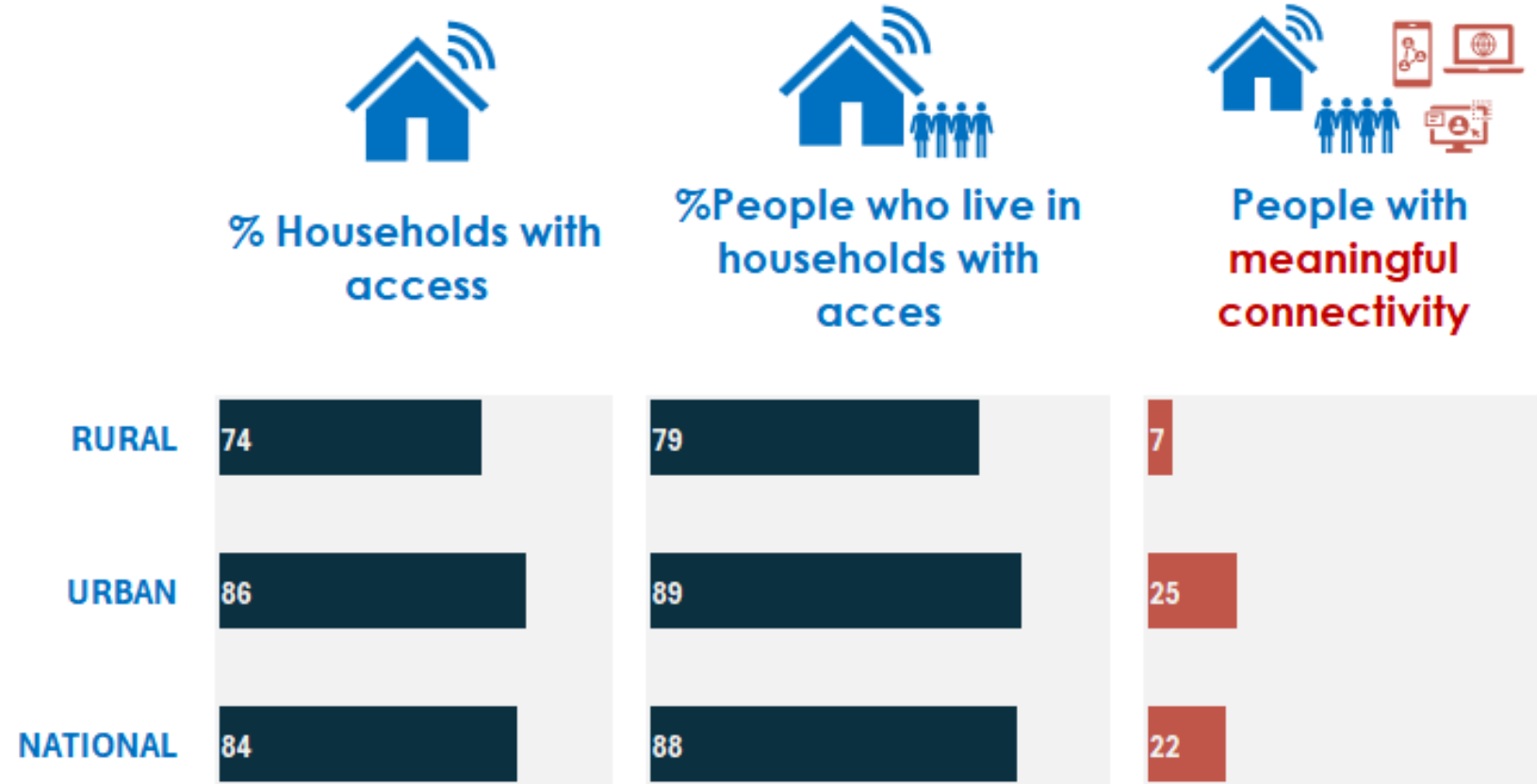


Brazil: Meaningful Connectivity Measurement

Indicators



Brazil: Meaningful Connectivity Measurement

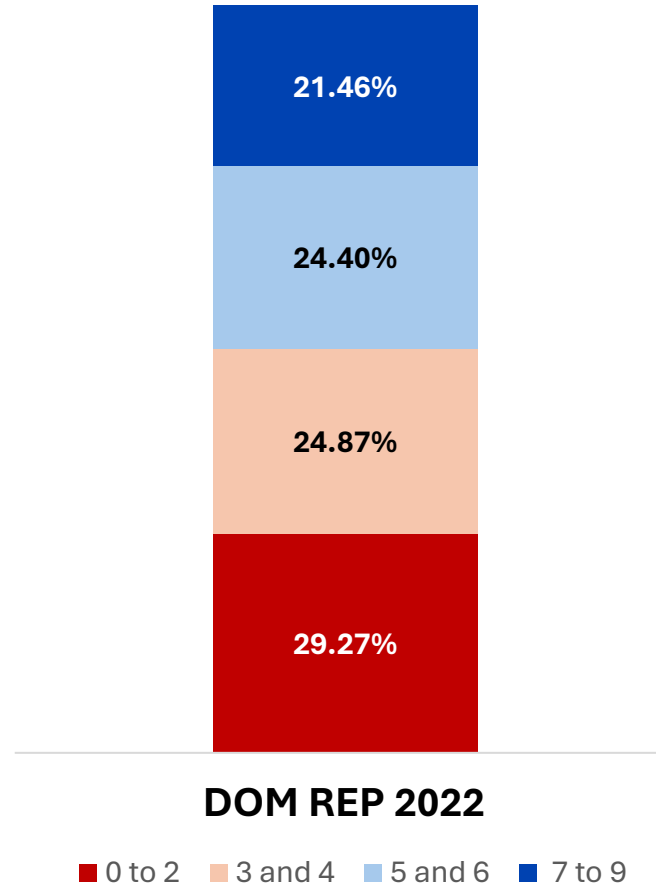
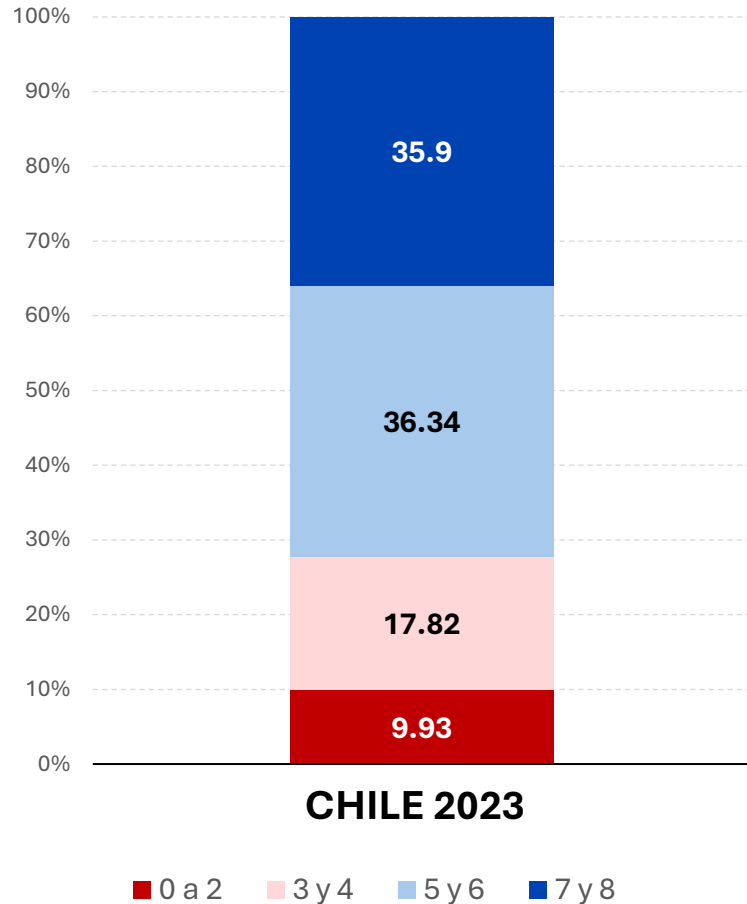


Source: ECLAC Digital Development Observatory (ODD) based on “Meaningful Connectivity in Brazil: Indicators on access quality to technologies” by Cetic.br (methodology); and data from the 2022 National Household Survey for Multiple Purposes (ENHOGAR-2022) by the National Statistics Office (ONE) and ECLAC (BADEHOG).

Note: Percentages refer to the total population in each area.



Chile and Dom Rep: Meaningful Connectivity Measurement



- Chile shows a relative higher level of people having a meaningful connectivity.
- Dominican Republic shows more challenges related to meaningful connectivity.
- The objective of the measurement is to help have a better approach of policies
- At the moment we ´re helping CRI, PER ECU making measurement of MC.

