Joint EGTI/EGH Session on the IDI
Segment 3

- Meaningful Connectivity: Infrastructure
- Meaningful Connectivity: Device
- Meaningful Connectivity: Safety and security

18 September | 16:00-16:20 (CET)

Meaningful connectivity indicators: Infrastructure

Indicators retained

Percentage of population covered by a mobile network (at least 3G & at least LTE/WiMAX)

Mobile broadband Internet traffic per mobile broadband subscription

Fixed-broadband Internet traffic per fixed broadband subscription

Indicators considered but not retained

Percentage of households covered by a fixed network

Percentage of population that lives within physical reach of (fiber) nodes on core terrestrial transmission networks

International bandwidth usage (bit/s) per Internet user

Indicators on middle-mile and last-mile connectivity

Speed of Internet connections

Meaningful connectivity indicators: Device

Indicator retained

Percentage of individuals owning a mobile phone

Indicator considered but not retained

Percentage of households with a computer

Meaningful connectivity indicators: Safety and security

Indicator retained
none

Indicator considered but not retained
Global Cybersecurity Index

Meaningful connectivity indicators: Affordability

Indicator
Mobile data and voice high-consumption basket as a percentage of GNI per capita
Fixed broadband basket as a percentage of GNI per capita

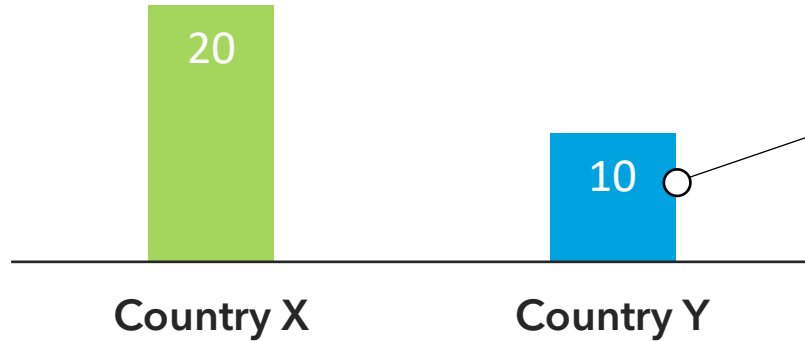| ICT price baskets		Voice (minutes)	SMS (#)	Data
1	Data-only mobile-broadband basket	-	-	2 GB
2	Mobile data and voice low-consumption basket	70	20	500 MB
3	Mobile data and voice high-consumption basket	140	70	2 GB
4	Mobile-cellular low-usage basket	70	20	-
5	Fixed-broadband basket	-	-	5 GB

Minimum monthly allowance

2 indicators for mobile & fixed broadband services

Why these 2 baskets?

- Include a **fixed broadband** basket – general agreement

- A **mobile broadband** basket: a compromise:
  - original suggestion: data-only mobile broadband basket (simplest to collect and interpret, is fairly representative for mobile broadband baskets, also used for the UN Broadband Commission's policy target).
  - Alternative: Participants eventually agreed that since consumers in many markets typically use combined voice and data rather than data-only mobile broadband services, a combined (bundle) basket was a better fit for the framework.
  - Choice high-consumption over low-consumption: fits logic of meaningful connectivity; same data-allowance as data-only basket (2GB)

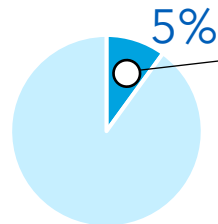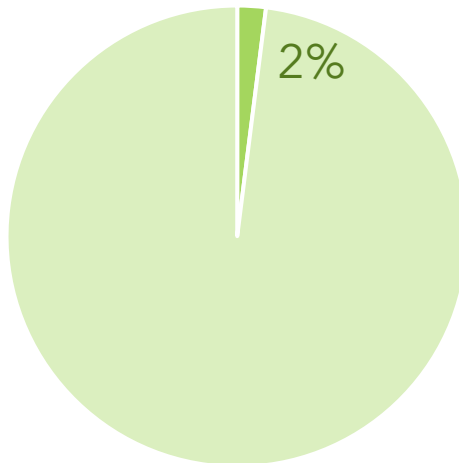# The affordability measure: % GNI per capita or PPP$?

Basket price, in PPP$

20	
	10
Country X	**Country Y**

Basket price, as a % of GNI per capita

GNI p.c.=1000   *GNI p.c.=100*

2%   5%

Price level of a mobile basket in PPP$ is lower in Country Y

BUT

Income per capita (at PPP$) is much lower in Country Y than in X

The average consumers in Country Y spend a relatively **larger share of their income** on the mobile basket => the basket is **less affordable** in Country Y!

Meaningful connectivity indicators
ICT skills – agreements from consultations

Individuals with ICT skills

+ Most "direct" measure – best fit to conceptual framework

- Low data availability and difficult to estimate

- EGH subgroup still developing methods to combine into one aggregate skills score

Cannot be included at this time

Proxy indicators: expected/mean years of schooling

+ Important to keep the skills enabler in the framework

+ Through UNDP, good data availability

- Not a good predictor of ICT skills

Constructive arguments on the topic – more experts **against inclusion** at EGTI/EGH joint meeting in June

Indicator deferred to next IDI cycle

Thank you!