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Seminar on ICT measurement and Indicators
THE ASHOK, Chanakya Puri
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Infrastructure and Household ICT Indicators

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Core List of ICT Indicators



- One of the main achievements of the *Partnership on Measuring ICT for Development*
- First released in 2005 and revised in 2008
- Through worldwide consultation process
- Revised core list of ICT indicators

Infrastructure (10)

Household and individuals (13)

Businesses (12)

ICT sector and ICT trade (4)

ICT in education (9)

Core List of ICT Indicators

- Not exhaustive
- Should be used as minimum list when designing or redesigning the data collection
- Aimed at providing a common platform for minimal inter-country comparability
- Will be reviewed regularly to ensure relevance and usability

Core indicators on ICT infrastructure and access

Indicator	
A1	Fixed telephone lines per 100 inhabitants
A2	Mobile cellular telephone subscribers per 100 inhabitants
A3	Fixed Internet subscribers per 100 inhabitants
A4	Fixed broadband Internet subscribers per 100 inhabitants
A5	Mobile broadband subscribers per 100 inhabitants
A6	International Internet bandwidth per inhabitant (bits/second/inhabitant)
A7	Percentage of population covered by a mobile cellular telephone network
A8	Fixed broadband Internet access tariffs (per month), in US\$, and as a percentage of monthly <i>per capita</i> income
A9	Mobile cellular prepaid tariffs, in US\$, and as a percentage of monthly <i>per capita</i> income
A10	Percentage of localities with public Internet access centres (PIACs) by number of inhabitants

Infrastructure and access

- Administrative data collected by ministry or regulators
- Relatively easy to collect & calculate (from operator reports)
- Provides an overview of available telecom services and adoption of those services in the country
- Provides good estimate of personal access to telephone services
- However, some issues:
 - Example: number of mobile subscriptions exceeding the number of inhabitants
 - Different definition for “subscriber”
 - Inactive SIM cards counted or not
 - Cross-border subscribers
- Not possible to cross-tabulate with other classificatory variables (age, gender, income, education, employment, etc)

Core Indicators on access to, and use of, ICT by households and individuals

Indicator	
HH1	Proportion of households with a <u>radio</u>
HH2	Proportion of households with a <u>TV</u>
HH3	Proportion of households with <u>telephone</u>
	Proportion of households with <u>fixed telephone only</u>
	Proportion of households with <u>mobile cellular telephone only</u>
	Proportion of households with both <u>fixed and mobile cellular telephone</u>
HH4	Proportion of households with a <u>computer</u>
HH5	Proportion of <u>individuals who used a computer</u> (from any location) in the last 12 months
HH6	Proportion of households with <u>Internet access at home</u>
HH7	Proportion of individuals who used the Internet (from any location) in the last 12 months

HH8	<u>Location of individual use of the Internet in the last 12 months:</u>
	Home
	Work
	Place of education
	Another person's home
	Community Internet access facility
	Commercial Internet access facility
	Any place via a mobile cellular telephone
	Any place via <i>other</i> mobile access devices

HH9	<u>Internet activities undertaken by individuals in the last 12 months (from any location):</u>
	Getting information about goods or services
	Getting information related to health or health services
	Getting information from general government organizations
	Interacting with general government organizations
	Sending or receiving e-mail
	Telephoning over the Internet/VoIP
	Posting information or instant messaging
	Purchasing or ordering goods or services
	Internet banking
	Education or learning activities
	Playing or downloading video games or computer games
	Downloading movies, images, music, watching TV or video, or listening to radio or music
	Downloading software
	Reading or downloading on-line newspapers or magazines, electronic books

HH10	Proportion of individuals with <u>use of a mobile cellular</u> telephone
HH11	Proportion of households with access to the <u>Internet by type of access</u> (narrowband, broadband (fixed, mobile)):
	Narrowband
	Fixed broadband
	Mobile broadband
HH12	<u>Frequency</u> of individual use of the Internet in the last 12 months (from any location):
	At least once a day
	At least once a week but not every day
	Less than once a week
HHR1	Proportion of <u>households with electricity</u>

Core Indicators on access to, and use of, ICT by households and individuals

- Collected using ICT household survey (stand-alone or module to existing survey)
- Data collected do not exceed 100%
- Provides an indication of households and individuals ICT access and use (telephone, Internet, computer)
- Can be cross-tabulated with classificatory variables (income, urban-rural, HH size, gender, employment, age, etc.)
- Data from ICT household survey enable more detailed analyses and comparisons - help formulate focused policies

Thank you

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