

ICT Data Collection by Pakistan Bureau of Statistics (PBS)

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Reason to cover ICT indicators



- * Lack of data
- * No/Incomplete reporting of ICT indicators at the household level
- * Pakistan has the dismal standing in the ICT ranking of renowned International forums such as ITU, UNESCAP etc.
- * ICT indicators are now also part of Sustainable Development Goals (SDGs) .

Coverage of ICT Indicators



- * PTA by taking the initiative requested PBS in 2015 to cover ICT indicators through its household surveys.
- * PBS included separate module in Pakistan Social & Living Standards Measurement Survey (PSLM) for year 2015-16

Major Objectives of PSLM Survey

PSLM is the main mechanism to provide data for:-

- * Monitoring development plans at district level
- * Monitoring progress of MDGs/SDGs
- * Assessment of programs initiated under Poverty Reduction Strategy Paper(PRSP)
- * Formulating poverty reduction strategy
- * Research workers, Statisticians & Policy Makers

Scope:-

- * To provide national, provincial and district level estimates with rural/urban breakdown

PSLM Survey



- * The PSLM Project is designed to provide Social & Economic indicators in the alternate years at provincial and district level
- * PSLM provincial level survey collects information on social indicators as well as on Income and Consumption.

Sectors Covered In PSLM



* The Indicators are developed at provincial/district levels in the following sectors:-

- Demographic
- Education
- Health
- Household Assets and Amenities
- Population Welfare
- Water Supply & Sanitation
- Income & Expenditure (only at Provincial level)

SAMPLE SIZE



Level	Primary Sampling Units			Secondary Sampling Units		
	Urban	Rural	Total	Urban	Rural	Total
District(2014-15)	1241	4387	5628	14892	70192	85084
Provincial (2015-16)	1087	518	1605	17392	8288	25680

ICT Indicators (Filled for all individuals 10 years and above)



ID Code	During Last Three Months					During Last Twelve Months							
	Q1: Have _____ used a computer (desktop, laptop, tablet or similar)? yes=1 & No=2 --> Q3	Q2: Which of the _____ activities have you carried out (Maximum four option) For code 9 fill only one column.	Q3: Have _____ used a mobile telephone ? (yes=1 & No=2)	Q4: Have _____ used the internet from any location? yes=1 & No=2 ----> Q-6	Q5: How many times did ----- use internet? 1= At least once a day 2= At least once a week.(not every day) 3= At least once a month	Q-6Did ----- use internet during last 12 months? yes=1 & No=2 ----> next person	Q7: Where did _____ use the internet? (during 12 months)						Q8: For which purpose----- use the internet? (maximum Six option) For code 9 fill only one column.
		1 2 3 4 5 6				1 2 3 4 5 6	1 2 3 4 5 6						

codes for Q2

1. copying or moving a file or folder
2. Using copy and paste tools to duplicate or move information within a document
3. sending emails with attached files
4. Using basic arithmetic formulas in a spread sheet
5. Finding, downloading, installing and configuring software, Skype etc.
6. Creating electronic presentations with orientation software
7. Transferring files between a compute and other devices
8. Writing a computer program using a specialized programming language
9. All of the above

Codes for Q.7

1. Home
2. Work
3. place of education
4. Another person home
5. community internet access facility
6. Commercial internet access facility
- 7 .In mobility
8. Other location(specify)
9. All of the above

Codes for Q.8

1. Email, chatting ,Facebook etc.
2. Education and reseach3.place of education
3. Information seeking (news, health, Govt. etc.)
4. Business Purpose.
5. Voice and Video calls on Skype, whatsapp etc.
- 6 . Downloading/watching movies, dramas etc.
7. Downloading software , programs
8. online shopping/banking.
9. All of the above

ICT Indicators at Household Level



* 20. Does this household have Internet? Yes=1 No=2

- a) Internet b) broadband c) Mobile phone
d) Landline/Wireless phone e) Computer Desktop f) Laptop
g) Tablet h) I-pad

* 21. What types of Internet services are used for Internet access at home?

- * 1. Cable / Wired: Company _____ e.g. PTCL, NTC, Nayatel etc.
* 2. Wireless: Company _____ e.g. PTCL, Telecard, Wateen etc.
* 3. Mobile: Company _____ e.g. Mobilink, Telenor, Ufone, Warid, Zong etc.

Plan To Cover ICT indicators



- * Meeting was held in Ministry of Information, Technology & Communication to discuss the SDGs and monitoring of ICT indicators on 24-06-2016.
- * PBS has also attended the same and provided its feedback and show its willingness to cover the ICT indicators as much as possible through its household surveys and further improving the coverage of indicators in the National Accounts of PBS.

ICT Indicators/SDGs



- * Pakistan Telecommunication Authority (PTA) requested SDGs and Monitoring of Information Communication Technology (ICT) indicators.
- * Ministry of Finance with PBS and Planning Commission may pursue on the government level to ensure the collection, analysis and dissemination of the ICT indicators by all the relevant stakeholders.
- * The ICT targets under the SDGs should be monitor continuously.

PSLM Questionnaire Review



- * PSLM project ended on 30-06-2015 and the activities has been regularized w.e.f 01-07-2015.
- * The questionnaire was not reviewed for the comparability purpose during the period i.e. 2004 to 2015.
- * The review of questionnaire keeping in view the new ground realities and SDGs is in progress.
- * The Technical committee has been formulated (PTA has also been made part of the committee) for this purpose and on the recommendation of the specialized Sub-committees the head committee will finalize the changes in the questionnaire and will also cater the requirement of PTA as much as possible.



ICT *Industry*

ISIC/PSIC



- International Standard Industrial Classification of All Economic Activities (ISIC):
 - International classification released by United Nations in 2008.
- It Provides:
 - continuing flow of information
 - Indispensable for the monitoring, analysis and evaluation of the performance of the economy over time.
- Pakistan Standard Industrial Classification of All Economic Activities (PSIC):
 - Reference national classification.
 - Based on the latest developments of SNA 2008.
 - Inline with ISIC upto 4 digit level
 - For deeper product details digit 5 and digit 6 have been operationalized in some sectors keeping in view the national needs.

Broad Structure of PSIC



Section	Division	Description
A	01-03	Agriculture, Forestry and Fishing
B	05-09	Mining and quarrying
C	10-33	Manufacturing
D	35	Electricity, gas, steam and air conditioning supply
E	36-39	Water supply; sewerage, waste management and remediation activities
F	41-43	Construction
G	45-47	Wholesale and retail trade; repair of motor vehicles and motorcycles
H	49-53	Transportation and storage
I	55-56	Accommodation and food service activities
J	58-63	Information and communication
K	64-66	Financial and insurance activities
L	68	Real estate activities
M	69-75	Professional, scientific and technical activities

Broad Structure of PSIC



Section	Division	Description
N	77-82	Administrative and support service activities
O	84	Public administration and defence; compulsory social security
P	85	Education
Q	86-88	Human health and social work activities
R	90-93	Arts, entertainment and recreation
S	94-96	Other service activities
T	97-98	Activities of households as employers; undifferentiated goods- and services-producing activities of households for own use
U	99	Activities of extraterritorial organizations and bodies.

Section J: Information and communication



Division	Group	Description	Coverage by PBS
58		Publishing activities	Partly covered along with Printing activities in manufacturing
	581	Publishing of books, periodicals and other publishing activities	
	582	Software publishing	<ul style="list-style-type: none"> ➤ PASHA ➤ Software Export Board ➤ Engineering council.
59		Motion picture, video and television programme production, sound recording and music publishing activities	<ul style="list-style-type: none"> ➤ TV channels ➤ Private Channels
	591	Motion picture, video and television programme activities	
	592	Sound recording and music publishing activities	Partly covered through TV channels but not separable.

ACTIVITIES COVERED BY PBS



Division	Group	Description	Coverage by PBS
60		Programming and broadcasting activities	<ul style="list-style-type: none"> ➤ PBC ➤ FM radios
	601	Radio broadcasting	
61		Telecommunications	<ul style="list-style-type: none"> ➤ PTCL, PTA, NTC, Telecom Foundation ➤ Pak data com, world call telecom ➤ Telecard, Wateen ➤ Mobile companies namely <ul style="list-style-type: none"> ➤ Mobilink, Ufone, Zong, Warid and Telenor
	611	Wired telecommunications activities	
	612	Wireless telecommunication activities	
	613	Satellite telecommunications activities	

ACTIVITIES COVERED BY PBS



Division	Group	Description	Coverage by PBS
61		Telecommunications	
	619	Other telecommunications activities	<ul style="list-style-type: none"> ➤ Cable operators and ISPs ➤ PEMRA ➤ PCOs, however this activity is declining with the passage of time.
63		Information service activities	<ul style="list-style-type: none"> ➤ PASHA ➤ Software Export Board
	631	Data processing, hosting and related activities; web portals	

Share in GDP at Constant Price of 2005-06



All Industries	2005-06	2013-14
Agriculture	23.0	21.1
Industry	21.0	20.8
Services	56.0	58.1
Total	100.0	100.0

Services Sector	2005-06	2013-14
Information and Communication	4.3	5.2

GDP	2005-06	2013-14
Information and Communication	2.4	3.0

FUTURE PLANS



- ICT are being covered in different sectors
 - all activities falling under Section J of PSIC will be combined.
- In consultation with Ministry of IT:
 - Identification of new indicators
 - Surveys/studies to capture the activities falling under section J of PSIC.

Issues



- Lack of cooperation
 - Private sector
- Lack of reliable
 - Permanent indicators
 - Relevant sources.

Recommendations



- Identification of indicators keeping in view the PSIC Rev 4 classification.
- Indicators must be permanent and reliable so that continuity of data may not affect.
- The regulators must play their role in facilitating the data collection activity. (As PTA did this year)
- ICT should not be just confined to telecommunication but the other aspect of information and communication should also be given equal importance.
- Importance of sharing data with PBS should be highlighted by conducting seminar and workshops of such a nature.



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