



# **ICT Statistics & IDI Indicators**

Vanuatu National Statistics Office Data Collection Practices



# Data Collection Practices

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Workshop venue: Nadi, Fiji

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Basically, data is collected through a Face to Face interview between the Interviewer (Statistics Officer) and the Interviewee (Household head, Individual, Community leader etc...).

Ever since the censuses and surveys were conducted by any Statistical Institution, data is collected through Paper Assisted Personal Interview (PAPI).



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Prior to the 2009 Population and Housing Census, VNSO uses the PAPI data collection method to collect data through surveys and censuses. After the interviews are completed, the answered forms are entered manually using either CSPro or any other database application.

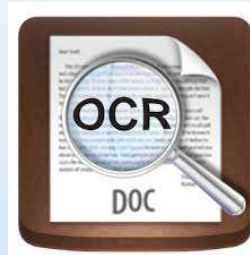
Advantages	Disadvantages
Forms can be corrected during the manual data entry processes	No field monitoring mechanism to determine the coverage during the data collection.
Manual interpretation reduces the erroneous system errors.	Final reports are usually released after well over 12 months from the data collection dates.

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In the 2009 Population and Housing Census, VNSO was introduced to the Optical Character Recognition (OCR) where scanners are used to digitized hand filled questionnaire forms. The ReadSoft application was used to run the OCR data collection.

Advantages	Disadvantages
Faster data processing of the completed questionnaire forms through scanning of the forms.	Since the OCR system interprets the hand filled forms, there characters and number are missed interpreted.
Since data processing using scanning is faster, final reports and released on a shorter period than manual data entry processes.	Miss interpretation of characters and numbers leads to longer time taken in data cleaning thus results to delay of final reports

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In the 2016 Mini Census, VNSO was introduced with the use Computer Assisted Personal Interview (CAPI) for its data collection processes. Survey Solutions (World Bank CAPI template) was used for the designing of the CAPI questionnaire.

Advantages	Disadvantages
Through recording of the household GPS locations, live monitoring of the interviewer movements can be done from head office.	Interviewers sometimes give untruthful information given their understanding of the questions logic etc... .
Data cleaning processes runs parallel with the data collection process. This reduces the time taken to release the final reports to less than 12 months.	CAPI systems designing sometimes require technical knowledge to be able design and well structure questionnaire. Some of the regions NSO's lack these capacities.

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Administration Data collection is done in various methodology. Most of the Administrative data are collected and manually entered into some databases.

The main challenges that NSOs go through is trying to get access to these administrative which are governed by strict legislations emphasizing the confidentiality of these data.

Vanuatu National Statistics Office is working very closely with statistical stakeholders who are hosting administrative data to grant to VNSO access for purpose of Statistical analysis.

Telecommunications data are rarely released to statistical offices for purpose analysis.

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In conclusion, a lot of ICT Indicators and very difficult to measure due to:

1. The unavailability of data from the relevant stakeholders hosting telecommunications data.
2. The NSOs lack funds to contact specific ICT surveys or censuses to measure some of the very vital ICT indicators.
3. Legislative protection of data collected administratively.



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Tangkiu tumas...

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