

Quality Control and Evaluation in Population and Housing census of Thailand

National Statistical Office,
THAILAND
(TNSO)

Outline

- History of Thai Population and Housing Census
- The 2010 Population and Housing Census (2010 PHC)
- Quality Control and evaluation for 2010 PHC
- 2020 PHC Quality Control and Evaluation Planning

History of Thai Population and Housing Census

Ministry of Interior



Conducted

the 1st-5th

(year 1910 → 1947)

Called '**Household census**'

National Statistical Office



Conducted

the 6th-10th

(year 1960 → 2000)

1970 added 'housing'

the 11th (2010)

The 100th anniversary of Thai population census



2010 PHC

- The 11th round:
 - The 100th anniversary of Thai population census
- Methodology:
 - Complete enumeration, both listing and enumeration stage
 - Listing stage (by listing form): to count number of population and dwelling unit such as number of people living in dwelling by sex, etc.
 - Enumeration stage (by enumeration form): to collect basic and more detailed characteristics of population and housing such as sex, age, nation, occupation, education, type of housing, etc.



2010 PHC

- Data Collection methods:
 - Multi-modal method
 - Face-to-Face interview (paper-based questionnaire)
 - Self-enumeration (Drop off and Pick up or mail back to TNSO)
 - Internet
 - Phone interview
- Data collection period
 - 1-30 September 2010

Quality Control and evaluation for 2010 PHC

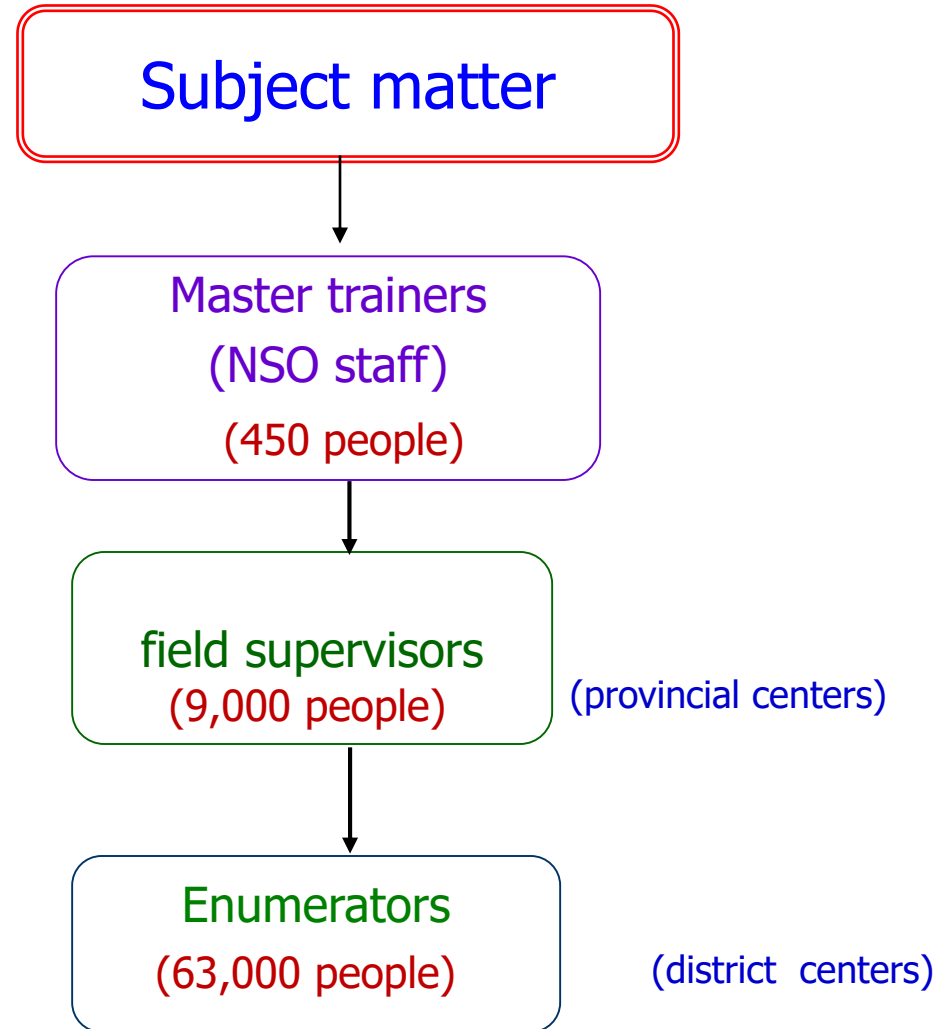
- To control quality of the PHC 2010
 - Intensive training
 - Field monitoring (supervisor)

- To evaluate quality of the PHC 2010
 - Post Enumeration Survey (PES 2010)

Quality Control in PHC 2010

- Intensive training
 - theoretical and practical (4 days)
- Field monitoring (supervisor)
 - Re-interviews (2 households/EA)
 - Field edit checks of the data for completeness and consistency

Intensive training



Supervisors: atleast Bachelor degree
Enumerators: atleast secondary school level

PES for PHC 2010

- approximately 2% of the total EA
- Objective:
 - To measure level of both coverage and content errors
- Matching results
 - Listing: coverage error
 - Enumeration: content error
 - (age, sex, marital status, completed education)
- Sample Design: Stratified Systematic Sampling
- Dissemination level: regional
- Enumerators: TNSO staff

2020 PHC Quality Control and Evaluation Planning

- TNSO is planning to use an electronic device (tablet) as tool for data collection in PHC 2020
- Advantage of using electronic for QC:
 - To decrease human error data input process
 - To be able to check data consistency immediately
 - To be able to monitor the progress easily

2020 PHC Quality Control and Evaluation Planning

- enumerator -> supervisor -> nso staff
- Tracking (web application)
- PES -> export data in excel file

Thank you

Q&A