Household Survey in Time of Crisis

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11-16 JULY 2021
COVID-19 DISRUPTION

OBJECTIVE

to protect staffs, enumerators, and respondents

to continue producing statistical data

RESTRICTIONS
- Mobility restriction
- Social restriction
- Work restriction

BUDGET EFFICIENCY
- Budget priority for health
- Reduced budget for surveys

BUSINESS PROCESS
- Data collection
- Data processing
- Enumerator training

METHODOLOGY
- Questionnaire redesign
- Statistical modelling

ADJUSTMENT
SUSENAS is a household survey that produces SDGs and socio-economic indicators:

<table>
<thead>
<tr>
<th>Module</th>
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<tr>
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<tr>
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<td>HEALTH</td>
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The questionnaire comprises 3 modules:

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<td>HOUSEHOLD CONSUMPTION/EXPENDITURE</td>
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<td>EDUCATION AND SOCIAL CULTURE</td>
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<td>HEALTH AND HOUSING</td>
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METHODOLOGY ADJUSTMENT

Before

➢ 3 Questionnaire modules
➢ 1,000+ variables
➢ 18 key indicators
➢ > 2 hours face to face interview
➢ 20K enumerators
➢ 320K HH as Respondents
➢ 2 times a year (March & Sept.)
➢ 1 month enumeration

METHODOLOGY

❑ Questionnaire redesign focuses on 2 modules:
  ✓ Education and social culture
  ✓ Health and housing
❑ The number of questions and variables are reduced.
❑ Statistical Modelling is used for household consumption module.
❑ It shortens interview time

After Pandemic

➢ 2 Questionnaire modules
➢ 200+ variables
➢ 18 key indicators
➢ 1 hours face to face interview
➢ 20K enumerators
➢ 320K HH as Respondents
➢ 2 times a year (March & Sept.)
➢ 1.5 months enumeration
Use an online Learning Management System.
Provide interactive sessions for QA.
Learn and review training materials at anytime.

Apply the health protocols and wear Self Protection tools: mask, face shield, gloves.
Adopt Paper Assisted Telephone Interviewing (PATI) for data collection and confirmation.
Contact the local neighborhood head to:
- Identify health status of respondents
- Collect phone numbers of respondents

Apply the health protocols and wear Self Protection tools: mask, face shield, gloves.
Questionnaire are disinfected and sun-dried.
Key-in application (data entry) based on filled questionnaires.
HORTICULTURE POTENCY SURVEY
A smaller survey to estimate the horticulture production

**Pandemic**
- 1 Questionnaire
- 30+ variables
- 9 key indicators
- < 1/2 hours face to face interview
- 13K+ HH as Respondents
- 350+ enumerators
- Quarterly survey
- 1 month enumeration

**ENUMERATOR TRAINING**
- Use an online Learning Management System.
- Provide interactive sessions for QA.
- Learn and review training materials at anytime.

**DATA COLLECTION**
- Apply the health protocols and wear Self Protection tools: mask, face shield, gloves.
- Adopt Computer Assisted Personal Interviewing (CAPI) for data collection.
- Contact the local neighborhood head to:
  - Identify health status of respondents
  - Collect phone numbers of respondents

**DATA PROCESSING**
- Data is directly sent from a gadget to Data Center.
- No contact at all.
CHALLENGE & LESSON LEARNED

**RESPONSE RATE**
Response rate dropped from 95-100% to 80-89%.

**METHODODOGY**
Use statistical modelling as the alternative to produce indicators. Simplify questionnaire.

**MULTIMODE DATA COLLECTION**
Use CAWI, CAPI, CATI, PATI to different conditions.

**DATA LITERACY**
Improve respondent literacy for self-enumeration.