

Indonesia - WSP Global Scaling Up Rural Sanitation Access (TSSM) Impact Evaluation, Baseline and Endline Surveys 2009-2011

Water and Sanitation Program - World Bank

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Sampling

Sampling Procedure

The project is being implemented in 29 rural districts (kabupaten) in East Java. Eight of those 29 districts are participants in the impact evaluation-a total of 2080 households in 160 sub-villages (dusun). The sample is geographically representative and representative of the households in rural East Java.

A total of 160 sub-villages from eight districts are participants in the IE. From each district, 10 treatment and 10 control villages were randomly chosen to participate in the IE. Local government offices from each district gave the IE team a list of at least 30 villages where the program could be implemented. Most district offices gave the IE teams lists of 40-70 villages. These are villages the districts had chosen to participate in the project based on sanitation needs, poverty levels, access to water, and so forth.³ Using a random number generator in STATA, the IE team randomly selected 10 treatment and 10 control villages from each district list. The IE team then sent the list of 20 villages back to the district government office (without telling them which villages had been selected as control and treatment villages). The reason for this is that the project is actually implemented at the dusun, or sub-village level. Villages generally have two to three sub-villages. Wanting the same selection criteria to be used for the selection of sub-village for both the treatment and control villages, the IE team asked each district office to provide the sub-village names for all 20 villages. District offices were told that some would be the treatment and others the control.

Once the IE team received the sub-village lists from the district offices for all 20 villages, the district offices were told which villages were in the treatment group and which ones were in the control group. The district offices committed that they would do everything possible to make sure the treatment dusun were treated and the control dusun remained untreated. There was some concern by local program implementers that the program might spread like "wildfire" and that it would be difficult to deny control villages the program. However, sample sizes were selected based on this possibility and it does not appear that many control villages have been contaminated.

Note: Detail sampling procedure is available in "Scaling Up Rural Sanitation: Findings from the Impact Evaluation Baseline Survey in Indonesia" November 2010 survey report.

Weighting

Not applicable

Questionnaires

Overview

The following instruments were used to collect the data:

- Household questionnaire: The household questionnaire was conducted in all households and was designed to collect data on household membership, education, labor, income, assets, dwelling characteristics, water sources, drinking water, sanitation, observations of handwashing facilities and other dwelling characteristics, handwashing behavior, child discipline, maternal depression, handwashing determinants, exposure to health interventions, relationship between family and school, and mortality.
- Health questionnaire: The health questionnaire was conducted in all households and designed to collect data on children's diarrhea prevalence, ALRI and other health symptoms, child development, child growth, and anemia.
- Community questionnaire: The community questionnaire was conducted in 120 districts to collect data on community/districts variables.
- Structured observations: Structured observations were conducted in a subsample of 160 households to collect data on direct observation of handwashing behavior.
- Water samples: Water samples were collected in a subsample of 160 households, to identify Escherichia coli (E. coli) presence in hand rinses (mother and children), sentinel toy, and drinking water.
- Stool samples: Stool samples were collected in a subsample of 160 households to identify prevalence of parasites in children's feces.

Data Collection

Data Collection Dates

Start	End	Cycle
2008-08	2008-09	Baseline survey
2010	2010	Endline survey

Data Collection Mode

Face-to-face [f2f]

Data Collectors

Name	Abbreviation	Affiliation
Survey Meter		

Data Processing

Other Processing

The data files as they are output in CPro follow the hierarchical structure as established in the data dictionary. These however may not be convenient for the analyst. The WSP requested that the files be integrated into various record level files. The files that are included in the final data base reflect this structure.

However, some analysts may still want the hierarchical level data available in its original record form (as it was during data entry). For that reason, these files are also zipped together and provided in the event that they are desired.

The final data files are provided in STATA format as requested by the WSP.

Data Appraisal

Estimates of Sampling Error

Not applicable

Related Materials

Questionnaires

Survey on Total Sanitation and Sanitation Marketing (TSSM), Household Booklet - Baseline Questionnaire

Title Survey on Total Sanitation and Sanitation Marketing (TSSM), Household Booklet - Baseline Questionnaire
Country Indonesia
Language English
Filename bk_rumah_tangga_eng_fin.pdf

Module 19 (Child Health Calendar) - Baseline Questionnaire

Title Module 19 (Child Health Calendar) - Baseline Questionnaire
Country Indonesia
Language English
Filename modul19_eng.pdf

Module 19 (in Indonesian) - Baseline Questionnaire

Title Module 19 (in Indonesian) - Baseline Questionnaire
Country Indonesia
Language Indonesian
Filename modul19_ind.pdf

Module 25 - Baseline Questionnaire

Title Module 25 - Baseline Questionnaire
Country Indonesia
Language English
Filename Mudule 25.pdf

Module 25 (in Indonesian) - Baseline Questionnaire

Title Module 25 (in Indonesian) - Baseline Questionnaire
Country Indonesia
Language Indonesian
Filename Mudule 25_indo.pdf

Supplement Module G1-G3 - Baseline Questionnaire

Title Supplement Module G1-G3 - Baseline Questionnaire
Country Indonesia
Language English
Filename supplement_g1g2g3_eng.pdf

Supplement Module G1-G3 (in Indonesian) - Baseline Questionnaire

Title Supplement Module G1-G3 (in Indonesian) - Baseline Questionnaire
Country Indonesia
Language Indonesian
Filename supplement_g1g2g3_ind.pdf

Survey on Total Sanitation and Sanitation Marketing (TSSM), Household Booklet - Endline Questionnaire

Title Survey on Total Sanitation and Sanitation Marketing (TSSM), Household Booklet - Endline Questionnaire
Country Indonesia
Language English
Filename Endline_bk_HH_eng_08_12_10_hh_rev.pdf

Survey on Total Sanitation and Sanitation Marketing (TSSM) Book 3, Observation Book - Endline Questionnaire

Title Survey on Total Sanitation and Sanitation Marketing (TSSM) Book 3, Observation Book - Endline Questionnaire
Country Indonesia
Language English
Filename Endline_bk_HH_eng_08_12_10_obs.pdf

Responndent of the mudule book 1, 2 and 3 of household questionnaire

Title Responndent of the mudule book 1, 2 and 3 of household questionnaire
Country Indonesia
Language English
Filename Endline_bk_HH_eng_08_12_10_respondents.pdf

Survey on Total Sanitation and Sanitation Marketing (TSSM) Book 3, Children and Caregiver Book - Endline Questionnaire

Title Survey on Total Sanitation and Sanitation Marketing (TSSM) Book 3, Children and Caregiver Book - Endline Questionnaire
Country Indonesia
Language English
Filename Endline_bk_HH_eng_8_12_10_child.pdf

Module 19: Child Health Calendar - Endline Questionnaire

Title Module 19: Child Health Calendar - Endline Questionnaire
Country Indonesia
Language English
Filename Endline_Module 19_eng_08_12_10.pdf

Module C: Prospective Informant as Community Respondent

Title Module C: Prospective Informant as Community Respondent
Country Indonesia
Language English

Filename Module C_prospective informant form_08_12_10.pdf

Module 25 - Endline

Title Module 25 - Endline
Country Indonesia
Language English
Filename Endline_module_25.pdf

Module 25 - Endline (in Indonesian)

Title Module 25 - Endline (in Indonesian)
Country Indonesia
Language Indonesian
Filename Endline_Module 25_indo.pdf

Module 19 (in Indonesian) - Endline Questionnaire

Title Module 19 (in Indonesian) - Endline Questionnaire
Country Indonesia
Language Indonesian
Filename modul19_ind.pdf

Module C: Prospective Informant as Community Respondent (in Indonesian)

Title Module C: Prospective Informant as Community Respondent (in Indonesian)
Country Indonesia
Language Indonesian
Filename Endline_Modul C_form calon informan_2_12_10.pdf

Suplement Module G1-G3

Title Suplement Module G1-G3
Country Indonesia
Language Indonesian
Filename supplement_g1g2g3_ind.pdf

Reports

Global Scaling Up Rural Sanitation, Scaling Up Rural Sanitation: Findings from the Impact Evaluation Baseline Survey in Indonesia

Title Global Scaling Up Rural Sanitation, Scaling Up Rural Sanitation: Findings from the Impact Evaluation Baseline Survey in Indonesia
Author(s) Lisa Cameron and Manisha Shah
Date 2010-11-01
Country Indonesia
Language English
Filename WSP_IndonesiaBaselineReport_TSSM.pdf

Technical documents

Sampling and Time Frame

Title Sampling and Time Frame
Country Indonesia
Language English
Filename Indonesia-sampling and IE timeline.pdf
