

Philippines - Functional Literacy, Education, and Mass Media Survey (FLEMMS) 2003

National Statistics Office

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Overview

Identification

ID NUMBER

PHL-NSO-FLEMMS-2003-v01

Version

VERSION DESCRIPTION

v3.0 - Edited, anonymous data set for public distribution (public use file).

PRODUCTION DATE

2004-09

NOTES

This version contains the edited and anonymized data of the survey, for public distribution in the form of CR-ROM public use file (PUF).

Overview

ABSTRACT

The 2003 Functional Literacy, Education, and Mass Media Survey (FLEMMS) is a national survey that gathers information on basic and functional literacy status of the population, their educational and skills qualifications, and their exposure to mass media. The 2003 FLEMMS is the third in a series of functional literacy surveys conducted by the National Statistics Office (NSO). The two previous rounds were conducted in 1989 and 1994.

The 2003 FLEMMS was conducted to provide a quantitative framework that shall serve as basis in the formulation of policies and programs for the improvement of literacy and education status of the population. Specifically, the Survey seeks to: (1) estimate the proportion of the population 10 years old and over who are basically literate, and proportion of the population aged 10 to 64 years who are functionally literate, (2) determine the educational and skills qualifications of the population in terms of formal schooling, and (3) determine the mass media exposure of the basically and functionally literate/illiterate population.

The 2003 FLEMMS was a sample survey designed to provide data representative of the country, urban and rural areas, and its 17 administrative regions. It used the 2000 Census of Population and Housing (CPH)-based Master Sample (MS) created for household surveys. The Survey used two of four replicates of the MS. In each region, a stratified, three-stage cluster sampling design was employed: the selection of sample barangays for the first stage, of sample enumeration areas for the second stage, and of sampling units for the third stage.

About 26,000 sample households in 1,589 enumeration areas were interviewed.

To ensure valid estimates of population parameters, weights were assigned to each responding unit. The final weight was computed as the product of the base weight, nonresponse adjustment, and population weighting adjustment.

Two survey questionnaires were used in the Survey, namely, (1) Form 1 (Household Questionnaire) - to gather information on demographic characteristics, basic literacy, education, and employment characteristics of the household members, and on household amenities; and (2) Form 2 (Individual Questionnaire) - a self-administered questionnaire, design to measure the functional literacy status of the population 10 to 64 years old.

The basic unit of enumeration of the Survey was the household. Households in the sampled housing units were interviewed using FLEMMS Form 1. FLEMMS Form 2 was administered to all household members 10 to 64 years old. Each eligible respondent independently accomplished the self-administered questionnaire.

Out of the 25,697 sample households, only 23,196 were valid, that is, households interviewed in housing units that were neither vacant nor demolished. Of the total valid households, 22,098 were successfully interviewed for a response rate of

95.3 percent. On the other hand, out of the 75,558 respondents eligible for Form 2, only 66,549 or 88.1 percent answered the questionnaire.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Households

Individuals

Scope

NOTES

The survey involves the collection of data on functional literacy and educational qualifications of the population. It covers a nationwide sample of about 25,500 housing units, deemed sufficient to provide data at the national level and for regions with large sample.

TOPICS

Topic	Vocabulary	URI
Basic literacy		
Simple literacy		
Functional literacy		

KEYWORDS

Literacy, Education

Coverage

GEOGRAPHIC COVERAGE

National

UNIVERSE

All individuals six years old and over

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Statistics Office	

OTHER PRODUCER(S)

Name	Affiliation	Role
Household Statistics Department - Demographic and Social Statistics Division	National Statistics Office	Operationalization of the survey

FUNDING

Name	Abbreviation	Role
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Department of Education	DepEd	Funding agency
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Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Luis, Jeremias L.		NSO	Researcher
Reolalas, Aurora T.		NSO	Supervisor
Ludovice, Raul M.		NSO	Data capturer

DATE OF METADATA PRODUCTION
2008-05-15

DDI DOCUMENT VERSION
v1.0

DDI DOCUMENT ID
DDI-PHL-NSO-FLEMMS-2003-v01

Sampling

Sampling Procedure

The 2003 FLEMMS was a sample survey designed to provide data representative of the country, urban and rural areas, and its 17 administrative regions. It used the 2000 Census of Population and Housing (CPH)-based Master Sample (MS) created for household surveys. The Survey used two of four replicates of the MS. In each region, a stratified, three-stage cluster sampling design was employed: the selection of sample barangays for the first stage, of sample enumeration areas for the second stage, and of sampling units for the third stage.

In the first stage, the primary sampling units (PSUs) were selected with probability proportional to the number of households in the 2000 Census. PSUs consisted of a barangay or a group of contiguous barangays. In the second stage, in each PSU, enumeration areas (EAs) were selected with probability proportional to the number of households. [An EA is defined as an area with discernable boundaries consisting of approximately 350 contiguous households.] In the third stage, from each EA, housing units were selected using systematic sampling. For operational considerations, at most 30 housing units were selected per sample EA. All households in the sample housing units were interviewed, except for housing units with more than three households. In such housing units, three households were selected with equal probability.

The selection of samples using the multistage sampling scheme was carried out for each region (domain) and stratum. PSUs within a domain were stratified based on the proportion of households living in housing units made of strong materials, proportion of households engaged in agricultural activities, and per capita income of the municipality.

About 26,000 sample households in 1,589 EAs were interviewed in the 2003 FLEMMS.

Response Rate

Out of 25,697 sample households in the 2003 FLEMMS, 23,196 households were valid, that is, households in housing units that were neither vacant nor demolished. Out of the 23,196 sample households which were eligible for interview, 22,098 households were successfully interviewed resulting in a response rate of around 95 percent. On the other hand, out of 75,558 eligible respondents (10 to 64 years old) for FLEMMS Form 2, 66,549 answered the questionnaire (FLEMM Form 2) resulting in a response rate of 88 percent.

Weighting

In the 2003 Master Sample Design, the probability that a household is included in the sample varies across domains/regions. In this survey, the sampling design employed was epcw within domain, that is, equal selection probabilities within regions. The initial step in the construction of weights was to determine the household's base weight. The unit in this case was the household. The base weight was defined as the inverse of its selection probabilities. The base weight was further adjusted to take into account possible nonresponse and possibly to make the estimates conform to some known population totals.

To ensure valid estimates of population parameters, weights were assigned to each responding unit. The final weight was computed as the product of the base weight, nonresponse adjustment, and population weighting adjustment.

Questionnaires

Overview

1. FLEMMS Form 1 - (Household Questionnaire) is used to gather information on demographic characteristics, basic literacy, education, employment characteristics of household members, and household amenities.
2. FLEMMS Form 2 - (Individual Questionnaire) is a self-administered questionnaire, designed to measure the functional literacy status of the population 10 to 64 years old.

Data Collection

Data Collection Dates

Start	End	Cycle
2003-11-20	2003-12-12	N/A

Data Collection Mode

Face-to-face [f2f] interview

Questionnaires

1. FLEMMS Form 1 - (Household Questionnaire) is used to gather information on demographic characteristics, basic literacy, education, employment characteristics of household members, and household amenities.

2. FLEMMS Form 2 - (Individual Questionnaire) is a self-administered questionnaire, designed to measure the functional literacy status of the population 10 to 64 years old.

Data Collectors

Name	Abbreviation	Affiliation
Statistical researchers	SRs	Hired by NSO

Supervision

To meet the target date of completion, 514 interviewers and 257 field supervisors were utilized. These numbers translate into a supervisor-interviewers ratio of 1:2, which means that one DSO/SCO supervised two interviewers, except when the number of sample EAs in the province is three or less. In which case, the DSO/SCO supervised one interviewer.

In general, an interviewer was assigned three EAs and had a daily output rate of at least three completed FLEMMS Form 1 and at least 10 completed FLEMMS Form 2.

Sample households from the sample housing unit were interviewed using FLEMMS Form 1 and household members 10 to 64 years old accomplished the FLEMMS Form 2.

Data Processing

Data Editing

Manual editing of FLEMMS Forms 1 and 2 was done at Provincial Office by the Provincial Office staff, who attended the training. Manual editing included completeness and consistency check of entries of FLEMMS Forms 1 and 2.

Other Processing

Machine processing was done at the regional office.

Data Appraisal

Estimates of Sampling Error

Sampling errors per literacy level were computed