Lao PDR - SABER Service Delivery 2018, Measuring Education Service Delivery

World Bank - World Bank

Report generated on: April 5, 2019

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Sampling

Sampling Procedure

The SABER Service Delivery survey was implemented in primary schools across Lao PDR, with detailed information being collected from Grade 4. According to official records from the Ministry of Education and Sports (MOES) education management information system for the school year 2015-2016, 8,864 primary schools exist across the country. The sample was created using probability proportional to size (PPS) according to the size of students enrolled in Grade 4. The target population of the survey was Grade 4 students, so all schools with at least one student enrolled in Grade 4 were considered in the sample.

Schools were stratified for sampling along four dimensions to ensure representation. For each of these, stratification was done on a discrete variable. The four sampling strata used for this survey with a target sample size of 200 schools across Lao PDR are the following: Urban/Rural, Public/Private, Single grade/Multi-grade, Priority/Non-Priority.

Multiple sampling scenarios were created according to the number of schools within a stratum. The final sample option was selected based on the standard errors of the sample as a whole and the errors within a subgroup. Please see the sampling appendix in the final report for more information (Appendix A).

Response Rate

100% response rate from all 200 schools in sample. No reserve schools were activated.

Weighting

The final weighting was conducted at the school level. Since private schools were oversampled in the final sample drawn, other public schools were underrepresented slightly in the final sample. The true approximate percentage of private schools in Lao PDR is 10 percent, whereas in the final sample of the survey, private schools were represented at roughly 17.5 percent. Therefore, the schools in various strata were weighted to match the true spread of public and private schools across Lao PDR.

Additional weighting information is available in Appendix A of the final report, and individual weights for each of the strata are available in the data deposit, which is available for download.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2017-02-01	2017-03-30	N/A

Data Collection Mode

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The SABER SD survey was carried out in Lao PDR from December 2016 to March 2017. The SABER SD team worked closely with the local survey firm, Indochina Research Ltd. (IRL) who was hired to implement the field survey. The team coordinated with IRL throughout the stages of the survey including survey preparation, data collection, and managing the quality assurance of the survey process and data entry. The questions in each of the six SABER SD modules were reviewed carefully prior to the training of enumerator team and adapted to the Lao context. These were further revised after field-testing to ensure that they could be easily understood and the intended meaning could be communicated accurately in Lao language to all interviewees. The field data collection was conducted during the months of February and March 2017 in 200 schools across all 18 provinces in Lao PDR. Please see appendix of fieldwork protocols in final report for more information (Appendix B).

Data Collectors

Name	Abbreviation	Affiliation
IndoChina Research Ltd.	IRL	

SUPERVISION

Fieldwork supervision was conducted by IRL and the World Bank team based in both Vientiane, Laos and Washington, DC.

A detailed fieldwork manual was supplied to all enumerators. Each enumerator team consisted of three members with one as the team leader. Since the data was automatically uploaded via internet connection from the tablets (enabled with SIM cards), each dataset was checked and verified by each team leader the day it was collected. Once approved, the datasets were sent to the central survey firm office, where the data management team ran a series of checks for inconsistencies and missing values.

Each time an error was flagged, the World Bank team was alerted and teams worked collectively to solve problems. Every two weeks during fieldwork, the survey firm provided a large data deposit of raw survey data collected to the World Bank team, where high-frequency data check were again conducted for verification.

In addition to data, the World Bank team in Washington, DC and Vientiane, Lao PDR were in constant communication with the survey firm, supervisors, and enumerators to ensure that all fieldwork protocols were being followed.

Additional field supervision details can be found in the annexes of the final report.

Data Processing

Data Editing

After a first round of cleaning and editing carried out by IRL, the raw data was sent to the World Bank team by the survey firm. The World Bank team ran data checks on the raw data files, with comments and questions sent back to the survey firm on inconsistencies and/or missing data. The survey firm then responded to the questions, if any data are missing, the field team collects the data again or corrects the incorrect information. This happened in a few cases where the principals of the schools were contacted again to confirm and verify certain answers from the school.

Once the data was finalized, the weights were attached back to the dataset. The weighting procedure was done by the Development Economics Vice Presidency (DEC) team at the World Bank. Finally, with weights attached, the final datasets for each module (1 through 6) were produced.

For this data, many modules were also merged together to run analysis across different school components. There is one final data file which has merged modules 1, 2, 3, 5, and 6.

Other Processing

The data entry program was designed using CSPro on tablets obtained by the survey firm. The data entry program was verified and checked several times including two rounds of piloting the questionnaire in schools before finalizing for data collection.

Data Appraisal

No content available

Related Materials

Questionnaires

SABER SD Laos Modules 1-4 (English)

Title	SABER SD Laos Modules 1-4 (English)
Country	Lao PDR
Language	English
Filename	SABER SD Laos Modules 1-4 - English.pdf

SABER SD Laos Modules 1-4 (Lao)

Title	SABER SD Laos Modules 1-4 (Lao)
Country	Lao PDR
Language	Lao
Filename	SABER SD Laos Modules 1-4 - Lao.pdf

SABER SD Laos Module 5A - Pupil Assessment (English)

Title	SABER SD Laos Module 5A - Pupil Assessment (English)
Date	2017-03-01
Country	Lao PDR
Language	English
Filename	Lao PDR SABER SD_Module 5A - Enum Booklet - March 2_2017_FINAL_ENGLISH.pdf

SABER SD Laos Module 5B - Pupil Assessment - Pupil Booklet (English)

Title	SABER SD Laos Module 5B - Pupil Assessment - Pupil Booklet (English)
Date	2017-03-01
Country	Lao PDR
Language	English
Filename	Lao PDR SABER SD_Module 5B - Pupil Test - March 2_2017_FINAL_ENGLISH.pdf

SABER SD Laos Module 6A - Teacher Assessment - Part A (English)

Title	SABER SD Laos Module 6A - Teacher Assessment - Part A (English)
Date	2017-03-01
Country	Lao PDR
Language	English
Filename	Lao PDR SABER SD_Module 6A_EQS_March_2_2017_FINAL_ENGLISH.pdf

SABER SD Laos Module 6B - Teacher Assessment - Part B (English)

Title	SABER SD Laos Module 6B - Teacher Assessment - Part B (English)
Date	2017-03-01
Country	Lao PDR
Language	English

Filename   Lao PDR SABER SD_Module 6B_EQS_March_2_2017_FINAL_ENGLISH.pdf

Technical documents

SABER SD Laos Field Manual Full (English)

Title   SABER SD Laos Field Manual Full (English)
Country   Lao PDR
Language English
Filename   SABER SD Laos Field Manual Full - English.pdf

SABER SD Laos Field Manual Full (Lao)

Title   SABER SD Laos Field Manual Full (Lao)
Country   Lao PDR
Language Lao
Filename   SABER SD Laos Field Manual Full - Lao Language.pdf