Liberia - Household Income and Expenditure Survey 2016

Liberia Institute for Statistics and Geo-Information Services - Government of Liberia

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Overview

Identification

ID NUMBER
LBR_2016_HIES_v01_M

Version

VERSION DESCRIPTION
v01

Overview

ABSTRACT
The main purpose of the Household Income Expenditure Survey (HIES) 2016 was to offer high quality and nationwide representative household data that provided information on incomes and expenditure in order to update the Consumer Price Index (CPI), improve National Accounts statistics, provide agricultural data and measure poverty as well as other socio-economic indicators.

These statistics were urgently required for evidence-based policy making and monitoring of implementation results supported by the Poverty Reduction Strategy (I & II), the AfT and the Liberia National Vision 2030.

The survey was implemented by the Liberia Institute of Statistics and Geo-Information Services (LISGIS) over a 12-month period, starting from January 2016 and was completed in January 2017. LISGIS completed a total of 8,350 interviews, thus providing sufficient observations to make the data statistically significant at the county level. The data captured the effects of seasonality, making it the first of its kind in Liberia.

Support for the survey was offered by the Government of Liberia, the World Bank, the European Union, the Swedish International Development Corporation Agency, the United States Agency for International Development and the African Development Bank. The objectives of the 2016 HIES were:

1. Update the Consumer Price Index (CPI): To obtain a new set of weights for the basket of goods and services that upgrade the Monrovia Consumer Price Index (MCPI) and the National Consumer Price Index (NCPI) and to revise the CPI basket of goods and services in Liberia to reflect the current consumption pattern of residence.

2. Improve National Accounts Statistics: To get information on annual household expenditure patterns in order to update the household component of the National Accounts.

3. Measure Poverty: To prepare robust poverty indices that enable the understanding of poverty dynamics across the country and of the factors influencing them.

4. Improve Agricultural Statistics: To obtain nationally representative and policy relevant agricultural statistics in order to undertake in-depth analysis of agricultural households.

5. Capture Socio-economic Impact of Ebola Virus Disease (EVD): To obtain a post-EVD dataset which allows for an in-depth analysis of the socioeconomic impact of EVD on households.

6. Benchmark Agenda for Transformation Indicators: To provide an update on selected socioeconomic indicators used to benchmark the government's policies embedded within the Agenda for Transformation.

7. Develop Statistical Capacity: Emphasize capacity building and development of sustainable statistical systems through every stage of the project to produce accurate and timely information about Liberia.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
- Households

- Individuals

Scope

NOTES
The HIES 2016 survey covered the following topics:

- Household demographic characteristics

- Poverty

- Inequality

- Food security

- Household characteristics

- Education

- Health

- Employment

- Household non-farm enterprises

- Agriculture

- Transfers

- Shocks

- Subjective welfare

Coverage

GEOGRAPHIC COVERAGE
National

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Liberia Institute for Statistics and Geo-Information Services	Government of Liberia

FUNDING

Name	Abbreviation	Role
Government of Liberia	GovLBR	
The World Bank	WBG	Technical and financial assistance
Swedish International Development Cooperation Agency	Sida	
United States Agency for International Development	USAID	

Name	Abbreviation	Role
African Development Fund	AfDB	
European Union	EU	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Development Data Group	DECDG	The World Bank	Documentation of the study

DATE OF METADATA PRODUCTION
2018-03-15

DDI DOCUMENT VERSION
Version 01 (March 2018)

DDI DOCUMENT ID
DDI_LBR_2016_HIES_v01_M_WB

Sampling

Sampling Procedure

The original sample design for the HIES exploited two-phased clustered sampling methods, encompassing a nationally representative sample of households in every quarter and was obtained using the 2008 National Housing and Population Census sampling frame. The procedures used for each sampling stage are as follows:
i. First stage
Selection of sample EAs. The sample EAs for the 2016 HIES were selected within each stratum systematically with Probability Proportional to Size from the ordered list of EAs in the sampling frame. They are selected separately for each county by urban/rural stratum. The measure of size for each EA was based on the number of households from the sampling frame of EAs based on the 2008 Liberia Census. Within each stratum the EAs were ordered geographically by district, clan and EA codes. This provided implicit geographic stratification of the sampling frame.

ii. Second stage
Selection of sample households within a sample EA. A random systematic sample of 10 households were selected from the listing for each sample EA. Using this type of table, the supervisor only has to look up the total number of households listed, and a specific systematic sample of households is identified in the corresponding row of the table.

Questionnaires

Overview

There were three questionnaires administered for this survey:
1. Household and Individual Questionnaire
2. Market Price Questionnaire
3. Agricultural Recall Questionnaire

Data Collection

Data Collection Dates

Start	**End**	**Cycle**
2016-01	2017-01	N/A

Data Collection Mode

Face-to-face [f2f]

Questionnaires

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Data Collectors

Name	Abbreviation	Affiliation
Liberia Institute for Statistics and Geo-Information Services	LISGIS	Government of Liberia

Supervision

The data collection for the HIES used fourteen teams that included one supervisor, four enumerators, one GIS specialist who doubled up as an enumerator, one data entry clerk, and one driver. During each quarter, a monitoring team from LISGIS headquarter visited the field teams to observe fieldwork, assess data quality, and provide feedback and further training where applicable.

Data Processing

Data Editing

The data entry clerk for each team, using data entry software called CSPro, entered data for each household in the field. For each household, an error report was generated on-site, which identified key problems with the data collected (outliers, incorrect entries, inconsistencies with skip patterns, basic filters for age and gender specific questions etc.). The Supervisor along with the Data Entry Clerk and the Enumerator that collected the data reviewed these errors. Callbacks were made to households if necessary to verify information and rectify the errors while in that EA.

Once the data were collected in each EA, they were sent to LISGIS headquarters for further processing along with EA reports for each area visited. The HIES Technical committee converted the data into STATA and ran several consistency checks to manage overall data quality and prepared reports to identify key problems with the data set and called the field teams to update them about the same. Monthly reports were prepared by summarizing observations from data received from the field alongside statistics on data collection status to share with the field teams and LISGIS Management.

Data Appraisal

No content available

Documentation

Questionnaires

Agricultural Recall Questionnaire

Title   Agricultural Recall Questionnaire
Country   Liberia
Language English
Filename   HIES_2016_Lib_Ag_Qx_15_12_15 FINAL.pdf

Household and Individual Questionnaire

Title   Household and Individual Questionnaire
Country   Liberia
Language English
Filename   HIES_2016_Lib_HH_Qx_08_12_15 FINAL.pdf

Price Questionnaire

Title   Price Questionnaire
Country   Liberia
Language English
Filename   HIES_2016_Lib_Price_Qx_10_01_16 FINAL.pdf

Technical documents

HIES Basic Information Document 2016

Title   HIES Basic Information Document 2016
Country   Liberia
Language English
Filename   LISGIS_HIES_2016_BINFO_Final.pdf

Household Income and Expenditure Survey 2016 Statistical Abstract

Title   Household Income and Expenditure Survey 2016 Statistical Abstract
Country   Liberia
Language English
Filename   HIES 2016_StatisticalAbstract_Final_final.pdf

Household Income and Expenditure Survey

Title   Household Income and Expenditure Survey
Country   Liberia
Language English

Filename   Infographic Pamphlet_final.pdf