

# Sierra Leone - Integrated Household Survey 2003-2004

**Statistics Sierra Leone (SSL) - Government of Sierra Leone**

Report generated on: December 11, 2017

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# Sampling

## Sampling Procedure

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The target sample size selected for the 2003/2004 Sierra Leone Integrated Household Survey was 3,700 households, of which 2400 were households drawn from the Rural Areas. In the survey, a household has been defined as a group of related or unrelated people, who live in a dwelling unit or its equivalent, take their meals together and eating from the same pot, and share common housekeeping arrangements for at least 9 months preceding the date of the interview.

The primary source of the Sampling Frame was the 1985 Population Census of Sierra Leone. The country is divided into the Northern, Southern, and Eastern Provinces and the Western Area. Each Province/Area is divided into Districts/Wards. The Districts are further divided into Chiefdoms, Towns and Villages hierarchically. The Chiefdoms and Towns are divided into Census Enumeration Areas (EAs), which formed the Primary Sampling Unit, from which information on the number of households and population in each EA was derived. Each District or Ward is stratified into Rural and Urban Areas. The Ultimate Sampling Unit was the Household.

The overall sampling frame was stratified into two strata, urban and rural, with sampling carried out separately in each stratum. The Enumeration Area was the Primary Sampling Unit with an average population of 1,645. Based on revised population estimates, about 66% of Sierra Leoneans households live in the rural areas so the sample stratification ensured that 66% of selected households came from the rural areas. In the selection of the 226 Enumeration Areas from the 2,553 Enumeration Areas for the Listing of Households, 66 Urban EAs and 160 Rural EAs were selected systematically with a random start and fixed interval of 11. The selection of the EAs within the Urban and Rural list was done to ensure that they were spread out evenly among all the Provinces or Regions in Sierra Leone.

The sample for the Sierra Leone Integrated Household Survey was drawn in two stages with the Enumeration Areas chosen as the Primary Sampling Unit (PSU). A total of 226 EAs were selected systematically out of the 2,538 EAs without probability proportional to their population size. The second stage involved the listing of all households within each selected EA and randomly selecting 1,300 households in the Urban Area (20 Households per Urban EA) and 2,400 households in the Rural Area (15 Households per Rural EA) using a table of Random Numbers. For each Enumeration Area, eight substitute Households were selected.

The existing Sampling Frame is based on the 1985 Population Census. Sierra Leone is divided into the Southern, Eastern, Northern Province and the Western Area with each divided into Districts / Ward. The Districts / Wards are divided into Census Enumeration Areas from which information on the number of Households are obtained. Each District is stratified into Rural and Urban.

The 2,553 Enumeration Areas (EAs), constituting 1,320 Urban and 2,400 Rural EAs was created out of the 1985 Population Census and used as the Sampling Frame for the Sierra Leone Integrated Household Survey. The Sampling Design adopted for the Survey was a 2 - Stage Stratified Sampling. Stage 1 constituted 226 Enumeration Areas selected from the 2553 Enumeration Areas. In Stage 1, the Sampling of  $2553 / 266 =$  approximately 11 was determined and a random number between 1 and 11 inclusive selected. Starting with that randomly selected number we systematically select every 11th EA to give the required 226 EAs. The Sample was not selected with Probability Proportional to Population Size since the population figures are based on the 1985 Census and out of date.

The List of Households and Maps existing at the start of the Survey were derived from the 1985 Population Census. These Frames are more than 17 years old and significant changes have taken place, especially in the Urban Areas, because of population growth, migration and other factors. Since to update the Frame and Maps for all the EAs will be too expensive, Listings of all Households in the 226 EAs was done in order to control both Sampling and Non-Sampling Errors. A Household is defined as a group of related and unrelated persons living in a dwelling unit, eating from the same pot and sharing the common housekeeping arrangement. The Household member, with some exceptions, is a normal resident of the house who spent more than nine months in the household during the past 12 months.

Stage 2 constituted the selection of 20 Households from each of the 66 Urban EA to give 1,320 Urban Households, and 15 Households from each of the 160 Rural EAs to give 2,400 Rural Households. Thus, the total number of Households drawn for the Survey, using 2-Digit and 3-Digit Tables of Random Numbers, was 3720.

## Weighting

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The survey is designed as a self-weighted sample. However the sample was based on the 1986 population census. At the

time of publishing this version, the population census of 2004 had not been fully finalized. Weights will be computed based on the results of the 2004 census in the future.

# Questionnaires

No content available

## Data Collection

### Data Collection Dates

Start	End	Cycle
2003-04	2004-03	N/A

### Data Collection Mode

Face-to-face [f2f]

### Data Collectors

Name	Abbreviation	Affiliation
Statistics Sierra Leone	SSL	Government of Sierra Leona

# Data Processing

## Data Editing

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The data were cleaned in various stages. An initial stage of consistency edits were applied using CONCOR edits (IMPS module). A second stage of consistency edits were designed in CSPro. This included the treatment of outliers and range checks using various methods (as the data indicated) for most of the expenditure data. See Process Manual (External Resources) for more information.

# Data Appraisal

No content available



# Related Materials

## Questionnaires

### SLIHS 2003: Household Questionnaire - Part A

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Title	SLIHS 2003: Household Questionnaire - Part A
Author(s)	Statistics Sierra Leone
Date	2003-01-01
Country	Sierra Leone
Language	English
Contributor(s)	Mr. John Ngwafon, World Bank
Publisher(s)	Statistics Sierra Leone
Description	This is the demographic and person questionnaire. It is one of four questionnaires used for the SLIHS survey. It contains questions on education, health, migration etc. with the individual being the unit of interview.
Filename	FINAL PRT A QUEST.pdf

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### SLIHS 2003: Household Questionnaire - Part B

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Title	SLIHS 2003: Household Questionnaire - Part B
Author(s)	Statistics Sierra Leone
Date	2003-01-01
Country	Sierra Leone
Language	English
Contributor(s)	Mr. John Ngwafon, World Bank
Publisher(s)	Statistics Sierra Leone
Description	This is the expenditure and income questionnaire. It is one of four questionnaires used for the SLIHS survey. It contains questions on agricultural production, expenditure and non-farm income.
Filename	FINAL PRT B QUEST.pdf

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### SLIHS 2003: Household Questionnaire - Part C: Community Questionnaire

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Title	SLIHS 2003: Household Questionnaire - Part C: Community Questionnaire
Author(s)	Statistics Sierra Leone
Date	2003-01-01
Country	Sierra Leone
Language	English
Contributor(s)	Mr. John Ngwafon, World Bank
Publisher(s)	Statistics Sierra Leone
Filename	FINAL COMM QUEST.pdf

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### SLIHS 2003: Household Questionnaire - Part D: Pricing module

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Title	SLIHS 2003: Household Questionnaire - Part D: Pricing module
Author(s)	Statistics Sierra Leone
Date	2003-01-01
Country	Sierra Leone
Language	English
Contributor(s)	Mr. John Ngwafon, World Bank

Publisher(s) Statistics Sierra Leone  
 Filename FINAL PRICE QUEST.pdf

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## SLIHS 2003: Listing, Check List and Comment Forms

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Title SLIHS 2003: Listing, Check List and Comment Forms  
 Author(s) Statistics Sierra Leone  
 Country Sierra Leone  
 Language English  
 Description The zipped document contains the following files:  
 - check list for interviewers  
 - check list of supervisors  
 - Listing form A  
 - Listing form B  
 - Form C  
 - Form D, interviewers comment  
 - Form G, check on anthropology  
 Filename Listing\_Check\_list\_comment\_forms.zip

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## Reports

### Consumption Aggregates and Poverty Estimates: Sierra Leone Integrated Household Survey

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Title Consumption Aggregates and Poverty Estimates: Sierra Leone Integrated Household Survey  
 Author(s) Statistics Sierra Leone  
 Date 2004-11-15  
 Country Sierra Leone  
 Language English  
 Contributor(s) Geoffrey P. Greenwell, Consultant  
 Publisher(s) Statistics Sierra Leone  
 Description This report presents some of the first results using the full 12-month data set from the Sierra Leone Integrated Household Survey. These should not be interpreted as definitive until the report has undergone broad consultation with the appropriate stakeholders. This report is divided into the following sections:  
 A. Methodology  
 B. Poverty Indices (Strata and District) and Inequality  
 C. A brief section on food security  
 D. Auxiliary Tables  
 Some context is provided however this is limited due to the on going process of interpreting the results.  
 Filename Draft\_Poverty\_Review1.pdf

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## Technical documents

### SLIHS 2002-2003: Handbook For Field Interviewers

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Title SLIHS 2002-2003: Handbook For Field Interviewers  
 Author(s) Statistics Sierra Leone  
 Country Sierra Leone  
 Language English  
 Filename SLLSS INTERVIEWER.pdf

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## SLIHS 2002-2003: Handbook For Field Supervisors

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Title SLIHS 2002-2003: Handbook For Field Supervisors  
 Author(s) Statistics Sierra Leone  
 Country Sierra Leone  
 Language English  
 Filename SLLSS SUPERVSOR A.pdf

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## Data Entry Operator's Manual

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Title Data Entry Operator's Manual  
 Author(s) Statistics Sierra Leone  
 Date 2003-05-01  
 Country Sierra Leone  
 Language English  
 Contributor(s) K.B. Danso Manu, Data Entry Consultant (Ghana Statistical Office)  
 Publisher(s) Statistics Sierra Leone  
 Description This manual provides an overview of the data entry system. This system was developed in IMPS and the document contains the instructions to train the data entry personnel.  
 Filename DataEntryManual.pdf

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## Sierra Leone Integrated Household Survey Process Manual

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Title Sierra Leone Integrated Household Survey Process Manual  
 Author(s) Statistics Sierra Leone  
 Date 2005-02-15  
 Country Sierra Leone  
 Language English  
 Contributor(s) Geoffrey Greenwell, DFID Consultant , Mr. Moses Tegeka Konteh, SSL , Mr. Sheik Rogers, SSL  
 Publisher(s) Statistics Sierra Leone  
 Description This manual contains details on the processes involved in treating and transforming the data for use in computation of the household consumption aggregate of the Sierra Leone Integrated Household Living Condition Survey (SLIHS). It covers the following areas:  
 1.0 Preparation of the data  
 1.1) ID Changes  
 1.2) Structural Edits  
 1.3) Treatment of outliers  
 1.4) Program procedures in CSPro  
 2.0. Methodology for computing the aggregate  
 2.1) Directory Structure  
 2.2) SPSS programs  
 2.3) File Specifications  
 3.0 Observations and considerations  
 3.1) Prices  
 3.2) Checklist of improvements  
 3.3) Sample issues  
 3.4) Milestone dates  
 3.5) Reference Documents  
 3.6) Tabulations  
 3.7) Archive structure  
 3.8) Product Recodes  
 3.9) Other links  
 3.10) Contacts  
 Filename ProcessManual.pdf

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## Other materials

## Sierra Leone Integrated Household Survey Crop List and Unit Codes

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Title Sierra Leone Integrated Household Survey Crop List and Unit Codes  
 Author(s) Statistics Sierra Leone  
 Country Sierra Leone  
 Language English  
 Publisher(s) Statistics Sierra Leone  
 Description Contains a summary of the crop codes and unit codes reported in the agricultural section.  
 Filename Crop\_units.pdf

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## SPSS Programs

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Title SPSS Programs  
 Country Sierra Leone  
 Language English  
 Filename SPSS\_programs.zip

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## Industry and Occupation Codes

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Title Industry and Occupation Codes  
 Author(s) Statistics Sierra Leone  
 Country Sierra Leone  
 Language English  
 Publisher(s) Statistics Sierra Leone  
 Description This document contains the listing of standard industrial and occupation codes used in the survey. It has an annotated section on specific applications of the codes.  
 Filename Industry\_Occupation.pdf

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