

Saint Lucia - Survey of Living Conditions and Household Budgets 2016

**Central Statistical Office of Saint Lucia - Ministry of Finance, Economic Affairs and
Social Security, Government of Saint Lucia**

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Overview

Identification

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LCA_2015_SLC-HBS_v01_M

Version

VERSION DESCRIPTION
- v1.0: Edited data, for public distribution.

PRODUCTION DATE
2016-10-15

Overview

ABSTRACT

The SLCHBS 2016 is a comprehensive survey which combines a survey of living conditions with a survey of household income and expenditure. It is a rich source of socio-economic information on the household population and is often regarded as an essential source of data for the determination of social needs and establishment of targets for development planning.

This survey has three main objectives; firstly, it is designed to collect information from the country's households and families on their buying habits (expenditures), income and other characteristics. Secondly, the survey allows data users to relate the expenditures and income of consumers to the characteristics of those same consumers. Thirdly, this survey provides valuable data for an assessment of the impact of socio-economic policies on the conditions and levels of living of households. In addition, Information on the poor, their characteristics, expenditure patterns when compared to other groups in the society.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS
The survey of Living Conditions and Household Budgets 2016 questionnaire has the following units of analysis:

- Individuals
- Households
- Spenders

Scope

NOTES
The scope of the Living Conditions and Household Budget Survey 2016 includes:

- HOUSEHOLD: Household characteristics, expenditure on accommodation, value of repair and maintenance of dwelling, major types of household expenses, furniture, furnishings and household equipment purchases, repairs and servicing of household equipment, food and beverages expenses, food security, other none-food expenditure, value of agriculture products produced and consumed at home, Vehicles owned and operated, vehicle maintenance and repair expenditure, mortality, social behaviour and exercise and shocks and coping strategies.
- PERSONS: Demographic characteristics, health, education, social protection, economic activity, union status and fertility,

clothing and footwear expenses, other expenses and disbursement.

- SPENDERS: clothing and footwear expenses, other expenses, disbursement and income.

Coverage

GEOGRAPHIC COVERAGE

National coverage. Data is statistically significant up to the level of the largest district, namely Castries and Gros Islet. Data for the remaining districts can be used but with less than 95% confidence.

UNIVERSE

The survey covered all de jure household members (usual residents).

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Central Statistical Office of Saint Lucia	Ministry of Finance, Economic Affairs and Social Security, Government of Saint Lucia

OTHER PRODUCER(S)

Name	Affiliation	Role
Edwin St Catherine	Central Statistical Office of Saint Lucia	Survey Manager / Sampling methodology / Selection
Central Statistics Office Staff	Central Statistical Office of Saint Lucia	Questionnaire design
World Bank		Questionnaire design
OECS Commission		Data collection
United Nations Development Programme (OECS & Barbados)		Data collection

FUNDING

Name	Abbreviation	Role
Central Statistics Office of Saint Lucia	CSO	Funding
Caribbean Development Bank	CDB	Funding
World Bank	WB	Funding
United Nations Development Programme - OECS and Barbados	UNDP/OECS	Funding
Department for International Development	DFID	Funding

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Food and Agriculture Organisation	FAO	Questionnaire Design

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
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Name	Abbreviation	Affiliation	Role
Saint Lucia Central Statistics Office	CSO	Ministry of Finance, Economic Affairs and Social Security	Documentation of Study

DATE OF METADATA PRODUCTION
2017-02-13

DDI DOCUMENT VERSION
Version 1.0 (November 2017).

DDI DOCUMENT ID
DDI_LCA_2015_SLC-HBS_v01_M

Sampling

Sampling Procedure

The desired sample design is a stratified, two-stage probability design. Full details of the theory and techniques for this type of design are presented in the classic texts of "Cochran, W. G. (1977) Sampling Techniques" and "Kish, L. (1965) Survey Sampling".

The first, explicit level of stratification is geographic and is based on the country's administrative structure. There are 12 Districts, but for survey purposes two (the core and the suburban parts of Castries, the capital), are combined into a single stratum called Castries Urban, while two small districts, Anse-La-Raye and Canaries, are also combined into one stratum, making 10 strata in all. They vary quite widely in population, and this is reflected in the number of Census Enumeration Districts (EDs), ranging from 127 in Castries Rural to only 18 in Laborie. This fact influences the LFS and SLCHB sample allocations, but in different ways as will be seen in the corresponding sections of this report.

A second, implicit stratification is achieved by sorting the EDs of a stratum according to Census information on occupational groups. In the four "urban" strata (including Castries Rural), the sort is done according to the percentage of economically active persons in the category "Managers, Professionals and Sub-professionals", while in the rural areas the sorting criterion was the percentage of workers in agriculture. The 10 true strata, along with their implicit stratification due to sorting, are referred to in the working paper "St. Catherine, E. (circa 2002) Methodological Design of the St. Lucia Sample Frame to Assist with the Conduct of Surveys of Living Conditions and other Multipurpose Surveys" as Domains of Study.

1504 households were selected for the sample.

Deviations from Sample Design

The sample design for the SLC-HBS was a two-stage probability design, based on the same principles as the Labour Force Survey (LFS) samples drawn from the Labour Force Survey Sample Frame. An independent sample was drawn, but with minor constraints to avoid visiting households in the most recent LFS samples.

The LFS sample size was allocated proportionally to the size of each stratum, using number of households as MOS (Measure of Size). However, for the SLC-HBS, the sample allocation was modified to increase the overall sample size, and to give greater relative representation to the smaller strata. This was achieved in an ad hoc way by shortening the sampling intervals. First a small overall increase in the sample size was achieved by multiplying all the sampling intervals by .95. Next, an additional adjustment was made by multiplying the interval by .9 (in Castries Urban, Castries Rural and Gros Islet), by .7 (Vieux Fort, Micoud and Dennery) or by .5 (Anse-La-Raye/Canaries, Soufriere, Choiseul and Laborie).

Response Rate

The overall response rate is 73% using the sample frame. The sample frame is under estimating the response rate by about 7% since it includes some closed and some vacant dwellings. Therefore the overall response rate is about 80%. Response Rates by District is as follows:

- Castries Urban: 65%
- Castries Rural: 71%
- Anse La Raye: 75%
- Soufriere: 78%
- Choiseul: 82%
- Laborie: 83%

- VieuxFort: 73%
- Micoud: 75%
- Dennery: 73%
- Gros Islet: 69%

Weighting

Sample weights were calculated for each of the data files.

Sample weights for the household data were computed as the inverse of the probability of selection of the household, computed at the sampling domain level (for each district). The household weights were adjusted for non-response at the primary sampling unit (PSU) level (Enumeration Districts/ED approximately) and were then normalized by a constant factor so that the total weighted number of households at the PSU/ED equals the total unweighted number of households. A district-level expansion factor was then applied to each PSU to raise the dataset to the level of the population.

Questionnaires

Overview

The questionnaires were administered to each household using the tablet computer on which the questionnaire is loaded.

The questionnaire for the SLC-HBS 2016 is in English and it is provided as an external resource.

Data Collection

Data Collection Dates

Start	End	Cycle
2015-11-01	2016-08-31	N/A

Data Collection Mode

Computer Assisted Personal Interview [capi]

Data Collection Notes

La prueba preliminar y los pilotos para la encuesta se llevaron a cabo del 15 de noviembre de 2014 al 15 de septiembre de 2015, cuatro de esos ejercicios se llevaron a cabo para garantizar que la implementación de la tableta de esta encuesta se realizó sin problemas e incluyó a 10 entrevistadores. Cuatro de estas personas se convertirían luego en supervisores de la encuesta principal.

Cada equipo entrevistador estaba compuesto por 4-6 entrevistadores (Hubo muy pocos entrevistadores masculinos). Se utilizó un total de 20 entrevistadores, 4 supervisores y 1 persona de soporte de datos. La recolección de datos se llevó a cabo durante un período de aproximadamente 10 meses desde noviembre de 2015 hasta septiembre de 2016. Las entrevistas se realizaron todos los días durante el período de trabajo de campo, aunque se permitió a los equipos de entrevistas tomarse días libres por semana.

Las entrevistas promediaron 60 minutos para el cuestionario del hogar, 30 minutos para el cuestionario de la persona.

El coordinador general de la encuesta fue el Sr. Edwin St Catherine, Director de Estadística.

Questionnaires

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Data Collectors

Name	Abbreviation	Affiliation
Central Statistics Office	CSO	Ministry of Economic Affairs

Data Processing

Data Editing

Data editing took place at a number of stages throughout the processing, including:

- a) Office editing and coding mostly by the supervisors when the electronic questionnaires were uploaded to the office cloud
- b) Structure checking and completeness was also done by the supervisors in addition to their field related checking duties.
- c) The tablet questionnaire application also used a larger number of consistency and structural edits which assisted a great deal with the data cleaning during the interview by the enumerators.
- d) Secondary editing was done by exporting the data to STATA and checking especially the completeness of the data collected on food consumed in addition to assigning calories to the food consumed
- e) Structural checking of STATA data files

Data Appraisal

No content available

Documentation

Questionnaires

Saint Lucia Survey of Living Conditions and Household Budgets 2016 - Questionnaire

Title	Saint Lucia Survey of Living Conditions and Household Budgets 2016 - Questionnaire
Author(s)	Central Statistics Office
Date	2015-09-15
Country	St. Lucia
Language	English
Description	This file contains: - S.L.C.H.B Household Questionnaire - S.L.C.H.B Individual/Person Questionnaire
Filename	SAINT LUCIA Survey of Living Conditions and Household Budgets 2016.pdf

Reports

Saint Lucia Survey of Living Conditions and Household Budgets 2016 - Report

Title	Saint Lucia Survey of Living Conditions and Household Budgets 2016 - Report
Author(s)	Edwin St Catherine
Date	2016-07-07
Country	St. Lucia
Language	English
Publisher(s)	Central Statistics Office of Saint Lucia
Description	Report to UNDP on the Progress of the SLCHBS 2016 Survey. It describes the process of implementation, problems encountered, how the data has been used thus far, etc.
Filename	ReportSLC_HBS2016Revised.pdf

Psychometric Assessment of the FIES in the St Lucia Survey

Title	Psychometric Assessment of the FIES in the St Lucia Survey
Author(s)	Carlo Cafiero
Date	2016-10-14
Country	St. Lucia
Language	English
Contributor(s)	- Edwin St Catherine, Director of Statistics Saint Lucia - Veronica Boero - Regional Statistician - Latin America and the Caribbean - Food and Agriculture Organization of the UN
Publisher(s)	Central Statistics Office of Saint Lucia
Description	The Voices of the Hungry (VoH) project of the United Nations Food and Agriculture Organization (FAO) offered its service to give a preliminary evaluation the quality of the FIES data and to provide guidance for the classification of food security status in this survey. This Document describes this evaluation.
Filename	Report.pdf

Total Household Consumption Expenditure by COICOP

Title Total Household Consumption Expenditure by COICOP
 Author(s) Edwin St Catherine
 Date 2016-11-15
 Country St. Lucia
 Language English
 Contributor(s) Edwin St Catherine
 Publisher(s) Central Statistics Office
 Filename Slu2016_coicop7.xls

Technical documents

Saint Lucia Survey of Living Conditions and Household Budgets 2015 - Interviewer Manual

Title Saint Lucia Survey of Living Conditions and Household Budgets 2015 - Interviewer Manual
 subtitle Final Version
 Author(s) Edwin St Catherine
 Date 2005-11-01
 Country St. Lucia
 Language English
 Publisher(s) Central Statistics Office of Saint Lucia
 Description This manual documents the instructions to enumerators to be applied in the process of interviewing the respondents from selected households.

Table of contents

What is a survey of living conditions and household budgets
 Role of interviewers
 How to record answers
 Definitions and concepts
 The structure of the questionnaires

HOUSEHOLD QUESTIONNAIRE

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 Section 2(2)- Repair and maintenance of dwelling
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THE INDIVIDUAL QUESTIONNAIRE

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 Section 2 - Health - for all persons
 Section 3 - Education - for all persons
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 Section 5 - Union status and fertility for persons 15 years and over
 Section 6 - Clothing consumed during the past 3 months for all spenders
 Section 7 - Footwear - shoes and other footwear last three months
 Section 8 - Other expenses - for all spenders
 Section 9 - Other disbursements
 Section 10 - Income - for all spenders

Filename Enumerators Manual - StLuciaHBS - Nov 2015 to May 2016 Version2 -EDITED.pdf