

# Uganda - Uganda National Panel Survey 2018-2019

**Uganda Bureau of Statistics**

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## Identification

### SURVEY ID NUMBER

UGA\_2018\_UNPS\_v02\_M

### TITLE

Uganda National Panel Survey 2018-2019

### ABBREVIATION OR ACRONYM

UNPS 2018

### COUNTRY/ECONOMY

Name	Country code
Uganda	UGA

### STUDY TYPE

Living Standards Measurement Study [hh/lsms]

### SERIES INFORMATION

The 2018/19 Uganda National Panel Survey (UNPS) is the seventh multi-topic panel household survey conducted in Uganda and follows surveys carried out in 2009/10, 2010/11, 2011/12, 2013/14 and 2015/16. The UNPS is carried out over a twelve-month period on a nationally representative sample of households.

### ABSTRACT

The UNPS aims at producing annual estimates in key policy areas; and providing a platform for experimenting with and assessing national policies and programs. Explicitly, the objectives of the UNPS include:

1. To provide information required for monitoring the National Development Strategy, of major programs such as National Agricultural Advisory Services (NAADS) and General Budget Support, and also to provide information for the compilation of the National Accounts (e.g. agricultural production);
2. To provide high quality nationally representative information on income dynamics at the household level as well as information on service delivery and consumption expenditure estimates annually; to monitor poverty and service outcomes in interim years of other national survey efforts, such as the Uganda National Household Survey (UNHS), Uganda Demographic and Health Survey (UDHS) and National Service Delivery Surveys (NSDS);
3. To provide a framework for low-cost experimentation with different policy interventions to e.g. reduce teacher absenteeism, improve ante-natal and post-natal care, and assess the effect of subsidies on agricultural inputs among others;
4. To provide a framework for policy oriented analysis and capacity building substantiated with the UGDR and support to other research which feed into the Annual Policy Implementation Review; and
5. To facilitate randomized impact evaluations of interventions whose effects cannot currently be readily assessed through the existing system of national household surveys.

### KIND OF DATA

Sample survey data [ssd]

### UNIT OF ANALYSIS

The study describes (including but not limited to):

- Household
- Individual
- Parcel
- Plot
- Community

## Version

### VERSION DESCRIPTION

Version 01: Edited, anonymous dataset for public distribution.

### VERSION DATE

2020-10-05

### VERSION NOTES

Updated to include consumption aggregate dataset (pov2018\_19.dta).

## Scope

### NOTES

The Uganda National Panel Survey 2018-2019 covered the following topics:

- **HOUSEHOLD:** Household identification particulars, Staff Details and Survey Time, Household roster, General information on household members, Education, Health, Child nutrition and health, Labor force status, Housing conditions, water and sanitation, Energy use, Other household income, Non-agricultural household enterprise/ activities, Household assets, Household consumption expenditure, Shocks and coping strategies, Welfare and food security and Link with the Agriculture Questionnaire.

- **WOMAN:** Household identification particulars, Age and marital status, Contraception, Fertility and Unmet need for family planning.

- **AGRICULTURE:** Household identification particulars, Staff details and survey time, Current land Holdings and land that the household accessed through use rights, Agricultural and labor inputs, Crops grown and types of seeds used, Quantification of Agricultural Production, Livestock ownership, Cattle and pack animals, Livestock inputs, Livestock production, Extension services, Farm implements and machinery and Animal Groups.

- **COMMUNITY/ FACILITY:** Community identification particulars, Availability of services within the community, Education (primary education), Health services, Works and transport and Community Characteristics, Groups, needs and resources.

## Coverage

### GEOGRAPHIC COVERAGE

National

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
Uganda Bureau of Statistics	Government of Uganda

### FUNDING AGENCY/SPONSOR

Name
Government of Uganda
World Bank Living Standards Measurement Study - Integrated Surveys on Agriculture (LSMS-ISA)
Government of Netherlands

## Sampling

### SAMPLING PROCEDURE

The UNPS is carried out over a twelve-month period (a “wave”) on a nationally representative sample of households, for the purpose of accommodating the seasonality associated with the composition of and expenditures on consumption. The survey is conducted in two visits in order to better capture agricultural outcomes associated with the two cropping seasons of the country. The UNPS therefore interviews each household twice in a year, in visits approximately six months apart.

In 2009/10, the UNPS set out to track and interview 3,123 households that were distributed over 322 Enumeration Areas (EAs), selected out of 783 EAs that had been visited during the Uganda National Household Survey (UNHS) in 2005/06. The distribution of the EAs covered by the 2009/10 UNPS was such that it included all 34 EAs in Kampala District, and 72 EAs (58 rural and 14 urban) in each of the other regions i.e. Central excluding Kampala, Eastern, Western and Northern which make up the strata.

Within each stratum, the EAs were selected with equal probability with implicit stratification by urban/rural and district (in this order). However, the probabilities of selection for the rural portions of ten districts that had been oversampled by the UNHS 2005/06 were adjusted accordingly. Since most IDP (Internally Displaced People) camps in the Northern region are currently unoccupied, the EAs that constituted IDP camps were not part of the UNPS sample. This allocation allows for reliable estimates at the national, rural-urban and regional levels i.e. at level of strata representativeness which includes: (i) Kampala City, (ii) Other Urban Areas, (iii) Central Rural, (iv) Eastern Rural, (v) Western Rural, and (vi) Northern Rural.

In the UNPS 2010/11, the concept of Clusters instead of EAs was introduced. A cluster represents a group of households that are within a particular geographical area up to parish level. This was done due to split-off households that fell outside the selected EAs but could still be reached and interviewed if they still resided within the same parish as the selected EA. Consequently, in each subsequent survey wave, a subset of individuals was selected for tracking.

The UNPS is part of the long term Census and Household Survey Program hence questionnaires and the timing of data collection are coordinated with the current surveys and census implemented by UBOS.

### SAMPLE REFRESH

Starting with the UNPS 2013/14 (Wave 4) fieldwork, one third of the initial UNPS sample was refreshed with the intention to balance the advantages and shortcomings of panel surveys. Each new household will be visited for three consecutive waves, while baseline households will have a longer history of five or six years, given the start time of the sample refresh. This same sample was used for the UNPS 2015/16 (Wave 5)

Once a steady state is reached, each household will be visited for three consecutive years, and at any given time one third of the households will be new, one third will be visited for the second time, and one third for the third (and last) time. The total sample will never be too different from a representative cross-section of the country, yet two-thirds of it will be a panel with a background of a year or two.

New households were identified using the updated sample frames developed by the UBOS in 2013 as part of the preparations for the 2014 Uganda Population and Housing Census.

## Data collection

### DATES OF DATA COLLECTION

Start	End
2018-02-22	2019-02-01

### DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

### DATA COLLECTION NOTES

Prior to starting data collection, field staff were trained for a period of approximately four weeks with practical sessions to introduce the concept of CAPI (Computer Assisted Personal Interviews) using the CWEST newly developed dynasty system and SurveyBe software on the UMPCs. The structure of the implementation of the UNPS 2015/16 consisted of 9 mobile field teams, each of which comprised of a driver, a supervisor, and three enumerators. Each mobile team had a vehicle, UMPCs

and GPS units, and anthropometric equipment (height and weight scales). All data was captured directly on the UMPCs using CWEST and SurveyBe. The data collected was electronically sent from the field at the conclusion of interviews for each EA.

The teams spend between two to three weeks collecting data during a trip each month. At the end of each trip, the teams report back to Headquarters for debriefing and discussion of any challenges. The main field work, which lasted from February 2015 to February 2016, comprised of two six-month phases. All households were visited once in each phase with exception of some split-off individuals identified in phase 1 who were visited only once in the 12-month period during phase 2. This was mostly due to issues related to tracking long-distance cases.

The fieldwork was designed in a two-phase format in order to accommodate the difficulties associated with solicitation of information on agriculture since Uganda has two agricultural seasons. The first season runs from February to July/August and the second from August/September to December. To collect accurate information for each of the two agricultural seasons and minimize recall associated with agricultural decisions that the survey seeks information on, the households with the exception of some split-off cases noted above, were visited twice in the course of 12 months.

In each cluster, during the Visit 1, the household questionnaire was fully administered to approximately half of the households randomly selected while only the roster was updated for these households during visit 2. The other half of the sample in the cluster received only the household roster along with the first half of the agriculture questionnaire (if it was engaged in agricultural activities) in visit 1, while the rest of the household questionnaire and roster update were administered during visit 2. This organization attempts to ensure an even distribution of households that reported information on household consumption in each month of the main field work. Given the CAPI system being used, the information solicited from each household in visit 1 is uploaded for visit 2.

Each of the 9 teams was assigned a number of dynasties containing the households/individuals to be interviewed within a particular visit, based on when it was covered during the previous wave, after which they were re-visited after six months.

## Questionnaires

### QUESTIONNAIRES

The UNPS had six questionnaires namely: Household Questionnaire; Woman Questionnaire; Agriculture & Livestock Questionnaire; Fisheries Questionnaire; Community Questionnaire and Market Questionnaire. Each of these questionnaires is divided into a number of sections and the number of questions in each section varies accordingly.

It should be noted that in 2013/14, 2015/16 and 2018/19, all questionnaires were administered using the CAPI software except the Fisheries and Market Questionnaires which were not administered.

## Access policy

### CONTACTS

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LSMS Data Manager	The World Bank	lsms@worldbank.org
Uganda Bureau of Statistics		ubos@ubos.org

### CONFIDENTIALITY

### CITATION REQUIREMENTS

Use of the dataset must be acknowledged using a citation which would include:

- the Identification of the Primary Investigator
- the title of the survey (including country, acronym and year of implementation)
- the survey reference number
- the source and date of download

Example:

Uganda Bureau of Statistics (Government of Uganda). Uganda - Uganda National Panel Survey 2018-2019 (UNPS 2018). Ref: UGA\_2018\_UNPS\_v02\_M. Downloaded from [uri] on [date].

### ACCESS AUTHORITY

<b>Name</b>	<b>Affiliation</b>
LSMS Data Manager	The World Bank
Uganda Bureau of Statistics	

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### DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

## Metadata production

### DDI DOCUMENT ID

DDI\_UGA\_2018\_UNPS\_v02\_M\_WB

### PRODUCERS

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Development Data Group	DECDG	World Bank	Documentation of the study

### DATE OF METADATA PRODUCTION

2025-02-25

### DDI DOCUMENT VERSION

Version 01 (2025-02-25)

## Data Dictionary

Data file	Cases	Variables
<b>AGSEC1</b> Agriculture Questionnaire Section 1: Household identification particulars	3242	15
<b>AGSEC2A</b> Agriculture Questionnaire Section 2A: Current land holdings - second/first visit	4368	47
<b>AGSEC2B</b> Agriculture Questionnaire Section 2B: Land that the household has access through use rights	1443	26
<b>AGSEC3A</b> Agriculture Questionnaire Section 3A: Agricultural and labor inputs - first visit	6073	37
<b>AGSEC3B</b> Agriculture Questionnaire Section 3B: Agricultural and labor inputs - second visit	6134	33
<b>AGSEC4A</b> Agriculture Questionnaire Section 4A: Crops grown and types of seeds used - first visit	8776	21
<b>AGSEC4B</b> Agriculture Questionnaire Section 4B: Crops grown and types of seeds used - second visit (cont.)	7063	21
<b>AGSEC5A</b> Agriculture Questionnaire Section 5A: Quantification of production - first visit	7153	33
<b>AGSEC5B</b> Agriculture Questionnaire Section 5B: Quantification of production - second visit	7041	84
<b>AGSEC6A</b> Agriculture Questionnaire Section 6A: Cattle and pack animals	1615	30
<b>AGSEC6B</b> Agriculture Questionnaire Section 6B: Small animals	2355	30
<b>AGSEC6C</b> Agriculture Questionnaire Section 6C: Poultry & others	1424	30
<b>AGSEC8A</b> Agriculture Questionnaire Section 8A: Livestock production - meat	5854	10
<b>AGSEC8B</b> Agriculture Questionnaire Section 8B: Livestock production - milk	3058	15
<b>AGSEC8C</b> Agriculture Questionnaire Section 8C: Livestock production - eggs	1793	10
<b>AGSEC9A</b> Agriculture Questionnaire Section 9: Extension services	298	21

<b>AGSEC9B</b> Agriculture Questionnaire Section 9: Extension services (cont)	3212	15
<b>AGSEC10</b> Agriculture Questionnaire Section 10: Farm implements and machinery	8297	11
<b>AGSEC11</b> Agriculture Questionnaire Section 11: Animal power	7662	15
<b>CSEC1A</b> Community/Facility Questionnaire Section 1A: Identification particulars	305	12
<b>CSEC1B</b> Community/Facility Questionnaire Section 1B: Staff details and survey times	305	34
<b>CSEC1C</b> Community/Facility Questionnaire Section 1C: Roster of informants	1007	8
<b>CSEC2</b> Community/Facility Questionnaire Section 2: Service Availability in LC1	5599	8
<b>CSEC2A</b> Community/Facility Questionnaire Section 2A: Land use planning and other land related issues	305	33
<b>CSEC2B</b> Community/Facility Questionnaire Section 2B: Client satisfaction with health facilities	305	34
<b>CSEC2C</b> Community/Facility Questionnaire Section 2C: Water and sanitation	2745	6
<b>CSEC2C_0</b> Community/Facility Questionnaire Section 2C: Water and sanitation	305	18
<b>CSEC3A</b> Community/Facility Questionnaire Section 3.0: Education (primary education)	1525	9
<b>CSEC3B</b> Community/Facility Questionnaire Section 3A: Availability of facilities at the school	305	13
<b>CSEC3C</b> Community/Facility Questionnaire Section 3B: Condition of toilet facilities	1027	7
<b>CSEC3D</b> Community/Facility Questionnaire Section 3C: Water facilities at the school	2970	7
<b>CSEC3E</b> Community/Facility Questionnaire Section 3D: Payment for services by parents/guardians at the school	594	11
<b>CSEC3F</b> Community/Facility Questionnaire Section 3E: Academic performance of the pupils in PLE	915	9

<b>CSEC3G</b> Community/Facility Questionnaire Section 3F: Incidence of leaving school pre-maturely	1525	9
<b>CSEC3H</b> Community/Facility Questionnaire Section 3G: School meetings	891	5
<b>CSEC3I</b> Community/Facility Questionnaire Section 3H: Staffing position of the school	1525	8
<b>CSEC3J</b> Community/Facility Questionnaire Section 3I: Supervision/monitoring of the school during the last 12 months	4575	7
<b>CSEC3K</b> Community/Facility Questionnaire Section 3J: Problems/constraints faced by the school	2100	35
<b>CSEC3L</b> Community/Facility Questionnaire Section 3K: Learner attendance, teacher presence and qualifications, and other classroom elements	305	7
<b>CSEC3M</b> Community/Facility Questionnaire Section 3L: Accountability in the school	6100	6
<b>CSEC3_0</b> Community/Facility Questionnaire Section 3M: Human Resources	305	8
<b>CSEC4A</b> Community/Facility Questionnaire Section 4A: Work at night	305	10
<b>CSEC4B</b> Community/Facility Questionnaire Section 4B: Availability of equipment/services at the facility	305	33
<b>CSEC4C</b> Community/Facility Questionnaire Section 4C: Services offered by this health facility	3965	8
<b>CSEC4D</b> Community/Facility Questionnaire Section 4D: Common disease reported at health facility	3660	10
<b>CSEC4F</b> Community/Facility Questionnaire Section 4F: Items brought by patients visiting the health facility	305	13
<b>CSEC4G</b> Community/Facility Questionnaire Section 4G: Deliveries at this facility	305	8
<b>CSEC4H_1</b> Community/Facility Questionnaire Section 4H: Validation of HMIS	1800	12
<b>CSEC4I</b> Community/Facility Questionnaire Section 4I: Epidemic reporting	305	6
<b>CSEC4J</b> Community/Facility Questionnaire Section 4J: General operations	305	6

<b>CSEC4K</b> Community/Facility Questionnaire Section 4K: Sanitary facilities available at the health facility	305	16
<b>CSEC4L</b> Community/Facility Questionnaire Section 4L: Access to water at the health facility	2135	7
<b>CSEC4M</b> Community/Facility Questionnaire Section 4M: Factors limiting provision of health services	3965	7
<b>CSEC4N</b> Community/Facility Questionnaire Section 4N: Supervision/monitoring of health facility	915	9
<b>CSEC4O</b> Community/Facility Questionnaire Section 4O: Village health teams	305	5
<b>CSEC4P</b> Community/Facility Questionnaire Section 4P: Staffing at the facility	2376	5
<b>CSEC4Q</b> Community/Facility Questionnaire Section 4Q: Human resources	6100	6
<b>CSEC4R</b> Community/Facility Questionnaire Section 4R: Accountability in the health facility	305	8
<b>CSEC5ABC</b> Community/Facility Questionnaire Section 5.0: Works and transport	1525	21
<b>CSEC5D</b> Community/Facility Questionnaire Section 5A, 5B, 5C: Infrastructure availability and condition; maintenance and repair of infrastructure; funding for maintenance of roads/bridges/culverts	2745	7
<b>CSEC5E</b> Community/Facility Questionnaire Section 5D: Constraints faced in the maintenance and repairs of roads	305	8
<b>CSEC5_0</b> Community/Facility Questionnaire Section 5E: Accountability in the subcounty	305	6
<b>CSEC6A</b> Community/Facility Questionnaire Section 6A: Community characteristics	305	12
<b>CSEC6B</b> Community/Facility Questionnaire Section 6B: Community groups	3965	9
<b>CSEC6C_0</b> Community/Facility Questionnaire Section 6C: NGOs in the community	305	11
<b>CSEC6C_1</b> Community/Facility Questionnaire Section 6C: NGOs in the community	71	9
<b>CSEC6D</b> Community/Facility Questionnaire Section 6D: Community needs, actions, and achievements	3267	27

<b>CSEC6E</b> Community/Facility Questionnaire Section 6E: Communal resource management	1525	24
<b>CSEC11_0</b> Community/Facility Questionnaire Section 11: Government safety net programmes	305	3
<b>CSEC11_1</b> Community/Facility Questionnaire Section 11: Government safety net programmes	1235	4
<b>GSEC1</b> Household Questionnaire Section 1: Household identification particulars	3176	27
<b>GSEC2</b> Household Questionnaire Section 2: Survey roster	21261	14
<b>GSEC2B</b> Household Questionnaire Section 2B: Domestic Tourism	16957	18
<b>GSEC4</b> Household Questionnaire Section 4: Education	15295	35
<b>GSEC5</b> Household Questionnaire Section 5: Health	16648	14
<b>GSEC6_1</b> Household Questionnaire Section 1: Household identification particulars	16957	18
<b>GSEC6_2</b> Household Questionnaire Section 6_2	583	25
<b>GSEC6_3</b> Household Questionnaire Section 6_3	616	8
<b>GSEC6_4</b> Household Questionnaire Section 6_4	2079	4
<b>GSEC6_5</b> Household Questionnaire Section 6_5	16690	30
<b>GSEC6_6</b> Household Questionnaire Section 6_6	21261	32
<b>GSEC7_1</b> Household Questionnaire Section 7: Source of income, financial decision making, savings, credit, borrowing, and banking in the past 12 months	3173	17
<b>GSEC7_2</b> Household Questionnaire Section 7: Source of income, financial decision making, savings, credit, borrowing, and banking in the past 12 months (cont)	44422	3
<b>GSEC7_4</b> Household Questionnaire Section 7: Investing	8697	49

<b>GSEC8</b> Household Questionnaire Section 8: Labor force status	8723	96
<b>GSEC9</b> Household Questionnaire Section 9: Housing conditions, water, and sanitation	3242	51
<b>GSEC10_1</b> Household Questionnaire Section 10: Energy use	3242	26
<b>GSEC10_3</b> Household Questionnaire Section 10: Energy use (cont)	26392	11
<b>GSEC12_1</b> Household Questionnaire Section 12: Non-crop farming household enterprises/activities	1738	10
<b>GSEC12_2</b> Household Questionnaire Section 12: Non-crop farming household enterprises/activities (cont)	668	66
<b>GSEC14</b> Household Questionnaire Section 14: Household assets	88652	10
<b>GSEC15A</b> Household Questionnaire Section 15A: Household consumption expenditure - number of household members present	6484	6
<b>GSEC15B</b> Household Questionnaire Section 15B: Food and beverage	415532	26
<b>GSEC15B_2</b> Household Questionnaire Section 15B: Food sample collection	9726	5
<b>GSEC15C</b> Household Questionnaire Section 15C: Non-durable goods and frequently purchased services	161976	20
<b>GSEC15D</b> Household Questionnaire Section 15D: Semi-durable goods and durable goods and services	153950	15
<b>GSEC15E</b> Household Questionnaire Section 15E: Non-consumption expenditure	19210	5
<b>GSEC16</b> Household Questionnaire Section 16: Shocks and coping strategies	24100	13
<b>GSEC19</b> Household Questionnaire Section 19: Link with agriculture	3175	3
<b>pov2018_19</b> Consumption Aggregate	3176	23
<b>WSEC1A</b> Woman Questionnaire Section 1A: Household identification particulars	2660	16
<b>WSEC2</b> Woman Questionnaire Section 2: Age & marital status	3713	13

<b>WSEC3</b> Woman Questionnaire Section 3: Contraception	54250	10
<b>WSEC4</b> Woman Questionnaire Section 4: Fertility	21280	25
<b>WSEC5</b> Woman Questionnaire Section 5: ANC and unmet need for family planning	42625	21
<b>WSEC6</b> Woman Questionnaire Section 6: Smoking	3875	7
<b>WSEC7</b> Woman Questionnaire Section 7: Women's dietary diversity	112375	11
<b>WSEC8</b> Woman Questionnaire Section 8: Woman's dietary diversity (cont)	2587	40
<b>unps_geovars_2018_19</b> Anonymized georeferenced dataset.	3176	3