

Uganda - National Panel Survey 2015-2016

Uganda Bureau of Statistics

Report generated on: February 25, 2025

Visit our data catalog at: <https://microdata.worldbank.org/index.php>

Identification

SURVEY ID NUMBER

UGA_2015_UNPS_v02_M

TITLE

National Panel Survey 2015-2016

ABBREVIATION OR ACRONYM

UNPS 2015-2016

COUNTRY/ECONOMY

| Name | Country code |
|--------|--------------|
| Uganda | UGA |

STUDY TYPE

Living Standards Measurement Study [hh/lsmis]

SERIES INFORMATION

The 2015/16 Uganda National Panel Survey (UNPS) is the fifth multi-topic panel household survey conducted in Uganda and follows surveys carried out in 2009/10, 2010/11, 2011/12 and 2013/14. 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

- Edited, anonymous dataset for public distribution.

Scope

NOTES

The Uganda National Panel Survey 2015-2016 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 Coverage.

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|-----------------------------|----------------------|
| Uganda Bureau of Statistics | Government of Uganda |

FUNDING AGENCY/SPONSOR

| Name | Abbreviation | Role |
|---|--------------|------------------|
| Government of Uganda | GovUGA | Funded the study |
| World Bank Living Standards Measurement Study - Integrated Surveys on Agriculture | LSMS-ISA | Funded the study |
| Government of Netherlands | GovNLD | Funded the study |

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 |
|------------|------------|
| 2015-03-10 | 2016-03-29 |

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 and 2015/16, all questionnaires were administered using the CAPI software except the Fisheries and Market Questionnaires which were not administered.

Access policy

CONTACTS

| Name | Email |
|-----------------------------|---------------|
| 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:

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. Uganda- National Panel Survey (UNPS) 2015-2016, Ref. UGA_2015_UNPS_v02_M. Dataset

downloaded from [url] on [date].

ACCESS AUTHORITY

| Name |
|-----------------------------|
| Uganda Bureau of Statistics |

Disclaimer and copyrights

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_2015_UNPS_v02_M_WB

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|------------------------|--------------|-------------|----------------------------|
| 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 |
|---|-------|-----------|
| AGSEC1 Agriculture round - AGSection 1 data | 2694 | 37 |
| AGSEC10 Agriculture round - AGSection 10 data | 61865 | 14 |
| AGSEC11 Agriculture round - AGSection 11 data | 26900 | 10 |
| AGSEC2A Agriculture round - AGSection 2A data | 4200 | 38 |
| AGSEC2AB_1 Agriculture round - AGSection 2AB_1 data | 2694 | 2 |
| AGSEC2B Agriculture round - AGSection 2B data | 1381 | 35 |
| AGSEC3A Agriculture round - AGSection 3A data | 7787 | 50 |
| AGSEC3A_1 Agriculture round - AGSection 3A_1 data | 2694 | 2 |
| AGSEC3B Agriculture round - AGSection 3B data | 6792 | 52 |
| AGSEC3B_1 Agriculture round - AGSection 3B_1 data | 2694 | 2 |
| AGSEC4A Agriculture round - AGSection 4A data | 10823 | 26 |
| AGSEC4A_1 Agriculture round - AGSection 4A_1 data | 2694 | 2 |
| AGSEC4B Agriculture round - AGSection 4B data | 9691 | 23 |
| AGSEC4B_1 Agriculture round - AGSection 4B_1 data | 2694 | 2 |
| AGSEC5A Agriculture round - AGSection 5A data | 10678 | 46 |
| AGSEC5B Agriculture round - AGSection 5B data | 8971 | 46 |
| AGSEC6A Agriculture round - AGSection 6A data | 32280 | 28 |
| AGSEC6A_1 Agriculture round - AGSection 6A_1 data | 2694 | 5 |
| AGSEC6B Agriculture round - AGSection 6B data | 26900 | 28 |
| AGSEC6B_1 Agriculture round - AGSection 6B_1 data | 2694 | 5 |
| AGSEC6C Agriculture round - AGSection 6C data | 13450 | 28 |
| AGSEC6C_1 Agriculture round - AGSection 6C_1 data | 2694 | 5 |

| | | |
|---|-------|----|
| AGSEC7A1 Agriculture round - AGSection 7A1 data | 26900 | 5 |
| AGSEC7B Agriculture round - AGSection 7B data | 26900 | 57 |
| AGSEC8A Agriculture round - AGSection 8A data | 26900 | 11 |
| AGSEC8B Agriculture round - AGSection 8B data | 26900 | 16 |
| AGSEC8C Agriculture round - AGSection 8C data | 26900 | 11 |
| AGSEC9A Agriculture round - AGSection 9A data | 16140 | 25 |
| AGSEC9B Agriculture round - AGSection 9B data | 2694 | 9 |
| CSEC1A Community round - CSection 1A data | 300 | 17 |
| CSEC1B Community round - CSection 1B data | 300 | 4 |
| CSEC2A Community round - CSection 2A data | 9372 | 7 |
| CSEC2B_1 Community round - CSection 2B_1 data | 300 | 38 |
| CSEC2C_1 Community round - CSection 2C_1 data | 300 | 14 |
| CSEC2C_2 Community round - CSection 2C_2 data | 2556 | 5 |
| CSEC3A Community round - CSection 3A data | 1420 | 8 |
| CSEC3A_1 Community round - CSection 3A_1 data | 300 | 11 |
| CSEC3B_1 Community round - CSection 3B_1 data | 300 | 14 |
| CSEC3C Community round - CSection 3C data | 2272 | 6 |
| CSEC3D Community round - CSection 3D data | 2840 | 7 |
| CSEC3E Community round - CSection 3E data | 428 | 10 |
| CSEC3F Community round - CSection 3F data | 502 | 7 |
| CSEC3G Community round - CSection 3G data | 1420 | 7 |
| CSEC3H Community round - CSection 3H data | 852 | 4 |
| CSEC3I Community round - CSection 3I data | 1420 | 7 |

| | | |
|---|------|----|
| CSEC3J Community round - CSection 3J data | 4260 | 5 |
| CSEC3K Community round - CSection 3K data | 3976 | 21 |
| CSEC3K_1 Community round - CSection 3K_1 data | 300 | 27 |
| CSEC3L_1 Community round - CSection 3L_1 data | 300 | 8 |
| CSEC4A_1 Community round - CSection 4A_1 data | 300 | 16 |
| CSEC4B_1 Community round - CSection 4B_1 data | 300 | 33 |
| CSEC4C Community round - CSection 4C data | 3408 | 5 |
| CSEC4D Community round - CSection 4D data | 223 | 7 |
| CSEC4D_1 Community round - CSection 4D_1 data | 300 | 16 |
| CSEC4E Community round - CSection 4E data | 3408 | 6 |
| CSEC4F_1 Community round - CSection 4F_1 data | 300 | 16 |
| CSEC4G_1 Community round - CSection 4G_1 data | 300 | 11 |
| CSEC4H Community round - CSection 4H data | 3880 | 14 |
| CSEC4H_1 Community round - CSection 4H_1 data | 300 | 6 |
| CSEC4I_1 Community round - CSection 4I_1 data | 300 | 7 |
| CSEC4J_1 Community round - CSection 4J_1 data | 300 | 7 |
| CSEC4K Community round - CSection 4K data | 1988 | 10 |
| CSEC4K_1 Community round - CSection 4K_1 data | 300 | 17 |
| CSEC4L Community round - CSection 4L data | 4260 | 8 |
| CSEC4M Community round - CSection 4M data | 1704 | 8 |
| CSEC4N Community round - CSection 4N data | 300 | 17 |
| CSEC4N_1 Community round - CSection 4N_1 data | 300 | 6 |
| CSEC4O Community round - CSection 4O data | 2153 | 19 |

| | | |
|---|-------|----|
| CSEC4O_2 Community round - CSection 4O_2 data | 2272 | 9 |
| CSEC4P_1 Community round - CSection 4P_1 data | 300 | 10 |
| CSEC4Q_1 Community round - CSection 4Q_1 data | 300 | 27 |
| CSEC5A Community round - CSection 5A data | 1420 | 11 |
| CSEC5B Community round - CSection 5B data | 1420 | 13 |
| CSEC5C Community round - CSection 5C data | 1420 | 9 |
| CSEC5D Community round - CSection 5D data | 2556 | 8 |
| CSEC5Q_1 Community round - CSection 5Q_1 data | 300 | 8 |
| CSEC6A_1 Community round - CSection 6A_1 data | 300 | 14 |
| CSEC6B Community round - CSection 6B data | 3692 | 12 |
| CSEC6C Community round - CSection 6C data | 112 | 10 |
| CSEC6D Community round - CSection 6D data | 3124 | 29 |
| CSEC6E Community round - CSection 6E data | 1420 | 27 |
| CSEC6F_1 Community round - CSection 6F_1 data | 300 | 11 |
| gsec1 Household round - gsec1 data | 3305 | 33 |
| gsec10_1 Household round - gsec10_1 data | 3305 | 17 |
| gsec10_2 Household round - gsec10_2 data | 29745 | 4 |
| gsec10_3 Household round - gsec10_3 data | 26422 | 11 |
| gsec11_1 Household round - gsec11_1 data | 3305 | 3 |
| gsec11_2 Household round - gsec11_2 data | 46214 | 9 |
| gsec12_1 Household round - gsec12_1 data | 3305 | 4 |
| gsec12_2 Household round - gsec12_2 data | 2128 | 33 |
| gsec14 Household round - gsec14 data | 72620 | 13 |

| | | |
|--|--------|-----|
| gsec14b Household round - gsec14b data | 26410 | 6 |
| gsec15b Household round - gsec15b data | 49751 | 21 |
| gsec15bb Household round - gsec15bb data | 16525 | 10 |
| gsec15bb_2 Household round - gsec15bb_2 data | 3305 | 4 |
| gsec15bb_3 Household round - gsec15bb_3 data | 19753 | 5 |
| gsec15c Household round - gsec15c data | 35702 | 12 |
| gsec15d Household round - gsec15d data | 138810 | 6 |
| gsec15e Household round - gsec15e data | 29745 | 4 |
| GSEC16 Household round - GSection 16 data | 68560 | 13 |
| gsec17_1 Household round - gsec17_1 data | 3302 | 11 |
| gsec17_2 Household round - gsec17_2 data | 7438 | 4 |
| gsec17_3 Household round - gsec17_3 data | 8680 | 4 |
| gsec17_4 Household round - gsec17_4 data | 42560 | 4 |
| gsec19 Household round - gsec19 data | 3304 | 4 |
| gsec2 Household round - gsec2 data | 16739 | 18 |
| gsec3 Household round - gsec3 data | 15818 | 24 |
| gsec4 Household round - gsec4 data | 15050 | 29 |
| gsec5 Household round - gsec5 data | 15818 | 15 |
| gsec6_1 Household round - gsec6_1 data | 1650 | 30 |
| gsec6_3 Household round - gsec6_3 data | 4981 | 5 |
| gsec8 Household round - gsec8 data | 11504 | 114 |
| gsec9 Household round - gsec9 data | 3312 | 32 |
| pov2015_16 Consumption aggregate data | 3145 | 15 |

| | | |
|--|------|----|
| WSEC1A Woman round - WSection 1A data | 2943 | 6 |
| WSEC2 Woman round - WSection 2 data | 2943 | 11 |
| WSEC3 Woman round - WSection 3 data | 2943 | 21 |
| WSEC4 Woman round - WSection 4 data | 2943 | 32 |
| WSEC5 Woman round - WSection 5 data | 2943 | 26 |
| unps_geovars_2015_16 Anonymized georeferenced dataset. | 3305 | 3 |