

United Republic of Tanzania, Zanzibar - National Panel Survey 2012-2013

National Bureau of Statistics

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Identification

SURVEY ID NUMBER

TZA_2012-2013_NPS-W3_v01_EN_M_v01_A_OCS

TITLE

National Panel Survey 2012-2013

COUNTRY

Name	Country code
United Republic of Tanzania, Zanzibar	TZA

STUDY TYPE

Other Household Survey [hh/oth]

SERIES INFORMATION

The 2012-2013 Tanzania National Panel Survey (NPS) is the third round in a series of nationally representative household panel surveys that collect information on a wide range of topics including agricultural production, non-farm income generating activities, consumption expenditures, and a wealth of other socio-economic characteristics. All three rounds of the NPS have been implemented by the Tanzania National Bureau of Statistics (NBS). The first round of the survey was conducted over twelve months, from October 2008 to September 2009. The main fieldwork of the second round of the NPS started in October 2010 and finished in September 2011, with specialized tracking teams remaining in the field until November 2011. Similarly, the duration and timing of the field work for the third round of NPS was from October 2012 to November 2013.

ABSTRACT

The main objective of the NPS is to provide high-quality household-level data to the Tanzanian government and other stakeholders for monitoring poverty dynamics, tracking the progress of the MKUKUTA II poverty reduction strategy 1, and to evaluate the impact of other major, national level government policy initiatives. As an integrated survey covering a number of different socioeconomic factors, it compliments other more narrowly focused survey efforts, such as the Demographic and Health Survey on health, the Integrated Labour Force Survey on labour markets, the Household Budget Survey on expenditure, and the National Sample Census of Agriculture. Secondly, as a panel household survey in which the same households are revisited over time, the NPS allows for the study of poverty and welfare transitions and the determinants of living standard changes.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The 2012-13 NPS covers the following topics:

HOUSEHOLD:

- Household identification
- Survey staff details
- Household member roster
- Education
- Health
- Labour
- Food outside the household
- Subject welfare
- Food security
- Housing
- Water and sanitation

- Consumption of food over the past one week
- Non-food expenditures (past one week & one month)
- Non-food expenditures (past twelve months)
- Household assets; Family/household non-farm enterprises
- Assistance and groups
- Credit; Finance
- Recent shocks to household welfare
- Deaths in the household
- Household recontact information
- Filter questions; Anthropometry.

AGRICULTURE

- Household roster
- Plot roster
- Plot details
- Crops by plot
- Crops
- Household totals (production and sales)
- Permanent crops by plot
- Permanent crops
- Household totals (production and sales)
- Input vouchers
- Out grower schemes and contract farming
- Processed agricultural products and agricultural by-products
- Farm implements and machinery extension
- Extension.

LIVESTOCK AND FISHERY

- Household member roster
- Livestock stock
- Animal health
- Feed
- Water
- Housing
- Breeding
- Livestock
- labour
- Milk
- Animal power & dung
- Other livestock products
- Fishery
- Household labour
- Fishery
 - o Hired labour
 - o Fishing inputs
 - o Fisheries output
 - o Fish trading.

COMMUNITY:

- Community identification
- Survey staff details
- Access to basic services
- Investments projects
- Land use
- Demographics
- land & livestock
- Market prices Local units.

TOPICS

Topic	Vocabulary
Agriculture & Rural Development	FAO

Health	FAO
Social Development	FAO
Animal health	FAO
Poverty	FAO
Infrastructure	FAO
Water	FAO
Land (policy, resource management)	FAO

Coverage

GEOGRAPHIC COVERAGE

Regional

UNIVERSE

The survey covers all individuals included in the households in the sample. The eligibility requirement for the NPS is defined as any household member aged 15 years and above, excluding live-in servants. Households with at least one eligible member were completely interviewed, including any subsequent non-eligible members present in the household. Any household or eligible members that had either moved or split away from a primary household were tracked and interviewed in their new location.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
National Bureau of Statistics	Ministry of Finance, Tanzania

PRODUCERS

Name	Affiliation	Role
Ministry of Agriculture, Food Security and Cooperatives	Government of Tanzania	Technical assistance
Ministry of Finance	Government of Tanzania	Technical assistance
Millennium Challenge Account-Tanzania	Government of Tanzania	Technical assistance
World Bank		Technical assistance
United Nations Fund of Development Program		Technical assistance

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
European Commission	EC	Funding
World Bank	WB	Funding

Sampling

SAMPLING PROCEDURE

The original sample size of 3,265 households for the 2008/2009 survey was designed to be representative at the national, urban/rural, and major agro-ecological zones. The total sample size of 3,265 households is clustered in 409 Enumeration Areas (2,063 households in rural areas and 1,202 urban areas) across Tanzania and Zanzibar. The NPS sample allows analysis at 4 primary domains of inference, namely: Dar es Salaam, other urban areas on mainland Tanzania, rural mainland

Tanzania, and Zanzibar. The NPS 2012/2013 revisits all households interviewed during the first two waves; NPS 2008/2009 and NPS 2010/2011. This includes the originally sampled 3,265 households plus split-off households added into the sample in the second round of the NPS. Thus, the total sample at the onset of the NPS 2012/2013 consisted of 3,924 target households. The eligibility requirement for the NPS is defined as any household member aged 15 years and above, excluding live-in servants. Households with at least one eligible member were completely interviewed, including any subsequent non-eligible members present in the household. Any household or eligible members that had either moved or split away from a primary household were tracked and interviewed in their new location. It is important to note that the NPS 2012/2013 sample includes individuals meeting the eligibility requirement that were interviewed as part of the NPS 2008/2009 wave but were not located and interviewed during the NPS 2010/2011. This constituted an additional 703 individuals assigned to their last known associated household.

To identify these individuals in the NPS 2012/2013 sample household rosters they received an ID code in the range of 101-130; the ID code was formed by the addition of 100 to their NPS 2008/2009 roster ID. The resulting sample size for the third round of NPS, including NPS 2008/2009 and NPS 2010/2011 households plus new, or split-off, households in NPS 2012/2013, is 5,015 households. For a more detailed description of the original sample design, please reference the NPS 2008/2009 Basic Information Document.

DEVIATIONS FROM THE SAMPLE DESIGN

Panel Attrition As with most panel surveys a certain portion of panel respondents are not able to be reinterviewed over time. This attrition of panel respondents can lead to attrition bias where respondents drop out of the survey non-randomly and where the attrition is correlated with variables of interest. The NPS has fortunately maintained low attrition over the waves, thus minimizing the potential for attrition bias within the datasets. The target sample of eligible households for the NPS 2012/2013 was 3,924, representing original NPS 2008/2009 households plus new or split-off households added to the NPS in the second round. Of these households 3,786 households were re-located and re-interviewed. This translates to a household attrition rate of roughly 3.50 percent between the NPS 2010/2011 and NPS 2012/2013. At the individual level, 12,280 of the 13,278 eligible household members were reinterviewed during the NPS 2012/2013, equating to an individual attrition rate of roughly 7.52 percent between the NPS 2010/2011 and the NPS 2012/2013. Total household attrition for the NPS, up to round three, is 4.84 percent.

RESPONSE RATE

Approximately 95 percent

WEIGHTING

In order to produce nationally representative statistics with the NPS data, it is necessary to apply weighting or expansion factors. The panel survey weights adjust for differences in the probability of selection into the NPS 2008/2009 sample for observations in various strata, 2008/2009 households splitting into multiple households in 2010/2011 and splitting even further in 2012/2013, and attrition between rounds of the survey. The first round of the NPS sample was a multi-stage clustered sample design. First stage sampling involved the selection of survey clusters with the probability of selection proportional to cluster size within a stratum. The sampling of these clusters was stratified along two dimensions:

- (i) eight administrative zones (seven on Mainland Tanzania plus Zanzibar as an eighth zone), and
- (ii) rural versus urban clusters within each administrative zone.

The combination of these two dimensions yields 16 strata. In rural areas a cluster is defined as an entire village. In urban areas a cluster is defined as a census enumeration area. As a general rule, the probability of selection was higher for clusters within strata where existing data sources showed that the variance of key variables of interest for the NPS (e.g. household consumption and maize production) were likely to be very high - implying the need for more observations to produce reliable estimates.

The expansion factors for the NPS 2012/2013, variable "y3_weight", have been integrated into Section A, "HH_SEC_A" of the household dataset. Additionally, unique identifiers for the first stage sampling units, "clusterid", and for the sampling strata, "strataid" can also be located in Section A of the household dataset. The methodology used to calculate the panel weights for the NPS 2012/2013 was developed as part of the LSMS-ISA work program.

Data Collection

DATES OF DATA COLLECTION

Start	End
2012-10	2013-11

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

Data Processing

DATA EDITING

Data Processing & Management:

The NPS 2012/2013 contains a robust multi-level quality assurance and data management system. Great effort was placed on the development and utilization of this system by the NBS with technical assistance from the World Bank prior to the implementation of the NPS 2012/2013 to assist in the management of the complex household panel survey and address the growing need for high quality timely data. The NPS utilizes a concurrent field entry system known as CAFE; Computer Assisted Field Entry. This system was selected to increase the availability of data for review by managing staff as well as to provide regular and consistent quality assessment of data directly to the field staff. As with the earlier rounds, CSPro was used for data entry and initial quality reporting while STATA was utilized to perform complex aggregated checks.

Building off the work conducted for the NPS 2010/2011, the NPS 2012/2013 data entry application further develops the quantity and complexity of data quality checking routines while simplifying reporting. Furthermore, due to the panel nature of the survey, where applicable and appropriate, data was checked against previous round data. As data entry took place while in the interview area, when data issues were identified and reported, field teams would return to households and clarify and correct inconsistent information prior to the transmission of the data to headquarters. Data files from completed clusters were transmitted to NBS headquarters using 3G USB modems. Received data files were concatenated at the headquarters, and regular checks were performed to ensure the fieldwork was proceeding according to the schedule and that quality standards were met. During the course of field work data was routinely checked at the aggregate level to identify any potential issues and where identified additional checks were integrated into the CAFE system.

Data Appraisal

ESTIMATES OF SAMPLING ERROR

Further adjustment of the data post-entry was conducted under the principle of absolute certainty where adjustments must be evidence based and correction values true beyond a reasonable doubt. As such, the resulting final datasets may still contain some inconsistencies and outliers. Handling of these values is thus left entirely to the data user. Throughout the data processing system versions of the data are archived at all key steps and all checking and cleaning syntax documented and archived.

DATA APPRAISAL

Throughout the course of field work, the field teams regularly sent the paper questionnaires back to the NBS headquarters for further processing. Once the paper questionnaires and data files for completed EAs were received at NBS headquarters, a double entry procedure was implemented. Six data entry operators were hired by NBS to perform the second data entry for the paper questionnaires into the CSPro-based data entry system for all questionnaires administered. A comparison between the entered values in the field based data entry and headquarters based data entry was conducted and any discrepancies in values between the two were flagged for manual inspection of the physical questionnaire and corrected. The application of the third level of data consistency validation further allowed for the assessment of the quality of the entry work performed by both the field entry staff and the headquarters based entry staff. Regular feedback was supplied to data entry staff resulting in improved quality where needed and overall efficiency. Additional data cleaning was conducted as the final stage of the data processing. Further adjustment of the data post-entry was conducted under the principle of absolute certainty where adjustments must be evidence based and correction values true beyond a reasonable doubt. As such, the resulting final datasets may still contain some inconsistencies and outliers. Handling of these values is thus left entirely to the data user. Throughout the data processing system versions of the data are archived at all key steps and all checking and cleaning syntax documented and archived.

Access policy

CONTACTS

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- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
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CITATION REQUIREMENTS

National Bureau of Statistics (NBS) [Tanzania]. 2013. Tanzania National Panel Survey Report (NPS) - Wave 3, 2012 - 2013. Dar es Salaam, Tanzania: NBS. (www.nbs.go.tz)

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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_TZA_2012-2013_NPS-W3_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Development Economics Data Group	DECDG	The World Bank	Documentation of the DDI

DDI DOCUMENT VERSION

TZA_2012-2013_NPS-W3_v01_EN_M_v01_A_OCS_v01

Data Description

Data file	Cases	Variables
AG_NETWORK	8372	6
AG_SEC_01 Key roster information only, including name, age, sex of household members as well as which member is the key respondent for the agricultural questionnaire.	18654	7
AG_SEC_2A Roster of all plots owned or cultivated by the household, including measurement information as calculated by GPS and farmer's estimate, GPS coordinates, weather conditions at measurement, and reason for missing GPS.	9157	15
AG_SEC_2B Roster of all plots owned or cultivated by the household, including measurement information as calculated by GPS and farmer's estimate, GPS coordinates, weather conditions at measurement, and reason for missing GPS.	5013	16
AG_SEC_3A Detailed information on usage of plot, main cultivated crops, decision-makers in household, soil type and quality with a focus on erosion, sources of irrigation, ownership status of plot, rental value, usage patterns of fertilizers, and agricultural inputs obtained on credit. Household and hired labor for farming activities is also reported.	9157	178
AG_SEC_3B Detailed information on usage of plot, main cultivated crops, decision-makers in household, soil type and quality with a focus on erosion, sources of irrigation, ownership status of plot, rental value, usage patterns of fertilizers, and agricultural inputs obtained on credit. Household and hired labor for farming activities is also reported.	9173	173
AG_SEC_4A Crop planting patterns, intercropping, area and quantity harvested, associated losses, crop seeds purchased along with associated values, source and type of seed for all annual crops.	10183	40
AG_SEC_4B Crop planting patterns, intercropping, area and quantity harvested, associated losses, crop seeds purchased along with associated values, source and type of seed for all annual crops.	6450	40
AG_SEC_5A Questions on quantity of crops sold, value of sales, customers crops sold to, average distance that crops were transported to for sale, post-harvest losses, how crop residue was handled, method and duration for which crop was stored.	8422	48
AG_SEC_5B Questions on quantity of crops sold, value of sales, customers crops sold to, average distance that crops were transported to for sale, post-harvest losses, how crop residue was handled, method and duration for which crop was stored.	5884	48
AG_SEC_6A Number of fruit trees planted on the plot, when these were planted, presence of intercropping, quantity produced, loss before and after harvest, quantity sold, associated value and location sold, method and quantity of crop stored are asked in this section.	8795	19
AG_SEC_6B Number of permanent crops planted on the plot, when these were planted, how many were planted in the past 12 months, intercropping activities, quantity produced, losses before and after harvest, quantity sold, associated value and location sold, method and quantity of crop stored are asked in this section.	7726	19
AG_SEC_7A Quantity of crop sold, associated value and location sold, post production losses and method and quantity of crop stored are included.	8015	22
AG_SEC_7B Quantity of crop sold, associated value and location sold, post production losses and method and quantity of crop stored are included.	6581	23

AG_SEC_08 Information is asked about amount of inputs redeemed from vouchers, household members that received the vouchers and how the inputs redeemed from vouchers were used by the household.	5930	16
AG_SEC_9A Information on crops, companies, pre-planting agreements, and buyer compliance are recorded for farmers engaging in outgrower schemes and contract farming.	5011	16
AG_SEC_9B Information on crops, companies, pre-planting agreements, and buyer compliance are recorded for farmers engaging in outgrower schemes and contract farming.	5010	16
AG_SEC_9C Information on crops, companies, pre-planting agreements, and buyer compliance are recorded for farmers engaging in outgrower schemes and contract farming.	5010	16
AG_SEC_10 Information on crops, by-product names and quantity produced, amount of crop used as input, quantity sold, associated prices and buyers and costs incurred due to labor/other inputs are included in this section.	7316	22
AG_SEC_11 Detailed information on the number of farm implements and machinery used or owned by the household in the past 12 months along with associated value if sold, whether the item was used, reasons for no usage, whether any of these items were rented or borrowed for use in the last twelve months and associated rents paid.	51532	13
AG_SEC_12A Any extension services or advice that the household received for agricultural or livestock activities in the past 12 months through government extension, NGOs, Cooperative/Farmer's Association, or Large Scale Farmers, including what activity advice was sought for, subjective rating for advice received, and price paid for receiving advice.	18306	19
AG_SEC_12B Any extension services or advice that the household received for agricultural or livestock activities in the past 12 months through government extension, NGOs, Cooperative/Farmer's Association, Large Scale Farmers, Radio/television, Publications or Neighbors including what activity advice was sought for, subjective rating for advice received, and price paid for receiving advice.	28271	7
AG_SEC_A Household location variables, unique within panel round household identification variables, date and time of interview, analytic weights, cluster identification, sampling strata identification, enumerator identification, supervisor identification, and data entry clerk identification.	5010	31
COM_SEC_A1A2 Community identification information including region, district, ward, regional capital identifier, location of market price information, and enumeration area, as well as survey staff information such as interviewers ID code, supervisor, and direct observation questions.	401	43
COM_SEC_CB Information on access to basic services in terms of distance and associated transportation costs for these services.	12431	11
COM_SEC_CC Sources of funds and associated amounts for recent construction projects such as road construction/maintenance, market construction/maintenance, water supply such as wells and pumps, school construction and maintenance at pre-primary, primary and secondary levels, health and veterinary services, irrigation schemes and grain storages.	5614	12
COM_SEC_CD Land use related issues with estimated percentages of how different types of village land are used (cultivation, forest, pasture, wetland, residential, business), as well as reasons for re-allocation of land (if any), number of households affected, and associated compensation.	400	39
COM_SEC_CE Participants utilizing SACCOs and other farmer cooperative groups, activities undertaken by cooperatives, the timing and quantity of the masika and vuli rainy seasons, detailed information on maize seed suppliers and sales, and the migration patterns of community members due to livestock activities.	401	43

COM_SEC_CF Market prices for the surveyed communities, reported for both the village level and the district capital area.	20852	13
COM_SEC_CF_ID Sec CF ID and location	401	23
COM_SEC_CG Records the local units used for certain items in the surveyed communities. Similar to Section CF, the information is collected both at the village level and the district capital area. The kilogram or liter equivalent for the local units is collected, in addition to the price of the item in that local unit.	9624	14
ConsumptionNPS3	4883	35
FILTERS Screening questions for household, agriculture, livestock and fishery modules.	4845	22
HH_SEC_A SECTION A: HOUSEHOLD IDENTIFICATION / SURVEY STAFF DETAILS Household location variables, unique within panel round household identification variables, date and time of interview, analytic weights, cluster identification, sampling strata identification, enumerator identification, supervisor identification, and data entry clerk identification.	5010	52
HH_SEC_B SECTION B: HOUSEHOLD MEMBER ROSTER Roster of household members, individual characteristics including: sex, age, relationship to the household head, panel member identification, presence in household, general occupation, parental status, place of birth, marital status, and spouse identification.	25412	45
HH_SEC_C SECTION C: EDUCATION Educational enrollment and attainment; literacy, education history/ level attainment, current enrollment, school characteristics, temporary absence, education examination (participation and score) and education expenditures.	25412	42
HH_SEC_D SECTION D: HEALTH General health status and utilization of health services; source and financing of health treatments /hospitalization, disaggregated health expenditures, bednet use, pregnancy, prenatal care and births, child health and ailments / diarrhea.	25412	45
HH_SEC_E SECTION E: LABOUR Labor market participation; activities including unpaid apprenticeship, wage work, non-farm enterprise, and agricultural activity (including livestock and fishery activities) in the last seven days and in the last twelve months. Also includes unemployment and steps taken to find work, secondary activities, industry (TASCO) and occupation (ISIC) codes, wages earned, contract type, employer provide safety nets, and general domestic activities .	25412	103
HH_SEC_F SECTION F: FOOD CONSUMED OUTSIDE THE HOUSEHOLD Value of food consumed outside the home during the last seven days.	25412	19
HH_SEC_G SECTION G: SUBJECTIVE WELFARE Self-reported level of satisfaction with health, financial status, housing, job, services, and safety. Also includes perceived status at present, and as of 1 and 10 years ago.	25412	16
HH_SEC_H SECTION H: FOOD SECURITY Information on the household's diet and food intake patterns, months of food insecurity, and distribution of food within the household.	5010	59
HH_SEC_I SECTION I: HOUSING, WATER AND SANITATION Tenure status, rental expenditure, estimated rental value, dwelling maintenance and improvement expenditures, dwelling characteristics, including size, construction materials, toilet facilities and means of garbage disposal. Also includes, main type of cooking and lighting fuel, access to water /drinking water and time spent collecting water.	5010	31

HH_SEC_J1**SECTION J1: CONSUMPTION OF FOOD OVER THE PAST ONE WEEK**

Consumption of 59 key items/ item groups over the last 7 days. These 59 items/item groups are divided into twelve broader categories; "Cereals and Cereal Products", "Starches, Sugars and Sweets", "Pulses, Dry", "Nuts and Seeds", "Vegetables", "Fruits", "Meat, Meat Products, Fish", "Milk and Milk Products", "Oils and Fats", "Spices and Other Foods", and "Beverages". Quantity and value of consumed items from purchases, own production and gifts are recorded. Additionally, an iodine test is also performed to detect its presence in salt and corresponding parts per million is recorded.

295590 13

HH_SEC_J2**SECTION J2: FOOD FORTIFICATION**

Information on household's consumption of fortified food items

20040 8

HH_SEC_J3**SECTION J3: FREQUENCY OF CONSUMED ITEMS**

Number of days general food categories where consumed by the household in the last 7 days, includes: "Cereals, Grains and Cereal Products", "Roots, Tubers, and Plantains", "Nuts and Pulses", "Vegetables", "Meat, Fish and Animal Products", "Fruits", "Milk/Milk Products", "Fats/Oils", "Sugar/Sugar Products/Honey", and "Spices/Condiments".

50100 5

HH_SEC_J4

SECTION J4: Number of people living outside of the household that shared meals within the household and then total number of meals shared over the last 7 days.

20040 6

HH_SEC_K**SECTION K: NON-FOOD EXPENDITURES - PAST ONE WEEK & ONE MONTH**

Total expenditure on non-food items during the last week or last month, including; public transportation, fuels, cellular phone credits, personal hygiene items, etc.

130260 6

HH_SEC_L**SECTION L: NON-FOOD EXPENDITURES - PAST TWELVE MONTHS**

Total expenditure on non-food items during the past 12 months, including; household items, community contributions, fees and fines, marriage costs, clothing, etc.

130260 6

HH_SEC_M**SECTION M: HOUSEHOLD ASSETS**

Quantity of key items owned by the household, age of item, purchase price, and current estimated value for items including, radio, telephones, appliances, furniture, cookware, vehicles, land, and agricultural tools.

265530 7

HH_SEC_N**SECTION N: FAMILY / HOUSEHOLD NON-FARM ENTERPRISES**

Details on non-farm businesses operated by the household during the last 12 months, including type of product or service provided, household members involved with the enterprise, value of current stock, operation location, length of time the enterprise has been operating, income earned, profits, business operating costs etc.

5759 40

HH_SEC_O1**SECTION O1: ASSISTANCE AND GROUPS**

Financial and in-kind assistance provided by both government and non-government institutions, including free food/maize distribution, food for work or cash for work programmes, inputs for work programmes, and school scholarships.

30060 13

HH_SEC_O2**SECTION O2: ASSISTANCE AND GROUPS**

Involvement in cooperative microfinance activities and financial details of membership, including contributions, withdrawal history, and repayment plans.

5045 17

HH_SEC_P**SECTION P: CREDIT**

Utilization of credit and loan institutions, including sources, amounts borrowed, and repayment plans.

5117 15

HH_SEC_Q1**SECTION Q1: FINANCE**

Use of financial institutions and mobile-phone based money transfer services, income from rent or pensions, supplemental income sources, and banking history.

5010 33

HH_SEC_Q2 SECTION Q2: FINANCE Remittances or financial assistance received in the last 12 months from sources residing in Tanzania or abroad, including socio-demographic characteristics of source, remittance channels, and use of cash/in-kind items.	5474	24
HH_SEC_R SECTION R: RECENT SHOCKS TO HOUSEHOLD WELFARE Severity ranking of 19 common shocks, such as "drought or floods", "severe water shortage", and "death of member of household". More detailed information and coping strategies are asked of the three most severe shocks.	95190	12
HH_SEC_S SECTION S: DEATHS IN HOUSEHOLD Deaths within the household, cause of death, duration of illness if applicable, and associated land or asset losses due to inheritance traditions.	5027	20
HH_SEC_U2 SECTION U2: MODULE FILTER QUESTIONS Screening questions for the agriculture and livestock/fisheries questionnaires.	5010	13
HH_SEC_V SECTION V: ANTHROPOMETRY Anthropometric information of all household members able and willing to participate, including height, weight, and upper arm circumference measurements.	25412	12
LF_NETWORK SECTION NETWORK Throughout the various sections of the agricultural questionnaire, there are questions that refer to persons outside the household that are involved in the agricultural process. Examples include landlords, suppliers of inputs, harvest purchasers, outgrower partners, etc.. The network roster file contains the location and category of each of these persons.	2771	6
LF_SEC_01 SECTION 01: HOUSEHOLD ROSTER Key roster information only, including name, age, sex of household members as well as which member is the key respondent for the agricultural questionnaire.	14042	7
LF_SEC_02 SECTION 02: LIVESTOCK STOCK For 16 animal categories, this section asks questions about the last 12 months on topics related to ownership, purchases, gifts received, diseases and animals lost because of them, thefts, sales and associated earnings, slaughtering and associated earning.	34609	45
LF_SEC_03 SECTION 03: ANIMAL HEALTH Detailed information on the health of animals in the last 12 months related to diseases affecting the animals, vaccinations provided, de-worming treatments, preventative and treatment measures taken against tick borne diseases, and associated spending for any preventative and treatment measures.	12979	24
LF_SEC_04 SECTION 04: FEED, WATER, HOUSING, BREEDING This section asks about fodder and water costs for the animals, type of housing used for the animals, and breeding strategies used by the household.	12979	42
LF_SEC_05 SECTION 05: LIVESTOCK LABOUR This section gathers information about the household members responsible for activities associated with upkeep of animals, the months in which the household hired help (if any) to assist in the upkeep of animals, and any associated costs with hired labor.	12979	25
LF_SEC_06 SECTION 6: MILK This section asks about characteristics of milk production by the animals and the amount of milk produced that were consumed by the household, sold, or processed in the last 12 months.	12979	20

LF_SEC_07 SECTION 7: ANIMAL POWER AND DUNG Detailed information related to amount of dung produced by the animals, characteristics of the use of the dung, associated earnings from any sales of dung, and use of animals for transport or ploughing.	12979	11
LF_SEC_08 SECTION 8: OTHER LIVESTOCK PRODUCTS Information is collected on livestock by-products, including the quantity produced, the quantity sold, value of sold goods, buyers of by product sold.	8653	15
LF_SEC_09 SECTION 9: FISHERY - HOUSEHOLD LABOUR For members that are listed as being involved in fishing in the last 12 months, questions on time spent fishing, time spent processing and time spent trading are recorded by number of weeks, days per week and hours per day.	302	12
LF_SEC_10 SECTION 10: FISHERY - HIRED LABOUR For hired labor, the number of fishing men, women and children and associated time investment is collected in addition to information on wages, share of boat catch and share of boat revenue.	100	20
LF_SEC_11A SECTION 11A: FISHING INPUTS Focuses on fishing input/gear and boats/engines used by any member of the household in the last 12 months and includes questions on the number of fishing gears operated, owned, purchased, rented and associated rental value for purchase.	3404	12
LF_SEC_11B SECTION 11B: OTHER INPUTS Information on all other costs associated with purchases during the last 12 months such as taxes, licenses, auction fees, wicks, rent for storage, transportation, buoys, thread for net sewing, beeswax/sealant, lubricant and chicken wire. The associated costs and units consumed are also included for each of these categories.	3162	7
LF_SEC_12 SECTION 12: FISHERIES OUTPUT Information on the output of fishing activities in the last 12 months, including questions related to type of fish caught, area fished in, quantity caught, fish processing mechanisms, sales and in-house consumption. Approximately 19% of households indicate having caught another type of fish than those on the list.	458	43
LF_SEC_13A SECTION 13A: FISH TRADING Detailed information on purchases and sales of fish by the household, including questions on type of fish sold, average sales per week, and quantity of fish purchased from other sources.	387	21
LF_SEC_13B SECTION 13B: FISH TRADING Costs associated with the fish trading are collected in this section, including amount spent by household on hired labour, transport, packaging, ice, and taxes.	928	6
LF_SEC_A SECTION A: HOUSEHOLD IDENTIFICATION / SURVEY STAFF DETAILS Household location variables, unique within panel round household identification variables, date and time of interview, analytic weights, cluster identification, sampling strata identification, enumerator identification, supervisor identification, and data entry clerk identification.	2298	31
HouseholdGeovars_Y3 Household Geo Variables	4988	50
NPSY3.PANEL.KEY	27889	7
PlotGeovars_Y3 Plot Geo Variables	5453	6
Y3_weights Weights	5010	2