

Tanzania - Tanzania Panel Survey 2020-2021, Wave 5

National Bureau of Statistics

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Identification

SURVEY ID NUMBER

TZA-NBS-NPS-2020-21-V01

TITLE

Tanzania Panel Survey 2020-2021, Wave 5

SUBTITLE

Wave 5

COUNTRY

Name	Country code
Tanzania	TZA

STUDY TYPE

Living Standards Measurement Study [hh/lsmis]

ABSTRACT

The National Panel Survey (NPS) is a nationally representative longitudinal survey designed to provide data from the same households over time in an attempt to better track national and international development indicators, understand poverty dynamics, understand the linkages between smallholder agriculture and welfare, and to evaluate policy impacts in the country.

This is the fifth wave of the National Panel Survey which follows four previous waves: the first wave was conducted between October 2008 and October 2009; the second wave was fielded between October 2010 and November 2011; the third wave was implemented between October 2012 and November 2013; and the fourth wave was conducted between October 2014 and November 2015.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households; Individuals

Version

VERSION DESCRIPTION

V0.1 Dataset for Public Distribution

VERSION DATE

2023-01-25

Scope

NOTES

The Fifth round of the National Panel Survey consists of four survey instruments:

- a) Household Questionnaire,
- b) Agriculture Questionnaire,
- c) Livestock Questionnaire, and
- d) Community Questionnaire

Coverage

GEOGRAPHIC COVERAGE

National Dar es Salaam, Other Urban areas in Mainland, Rural areas in Mainland, and Zanzibar

UNIVERSE

All households and individuals in Tanzania except Institutions including military barracks.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
National Bureau of Statistics	Government of Tanzania

PRODUCERS

Name	Role
Ministry of Agriculture	Technical Assistance
Ministry of Livestock	Technical Assistance
Tanzania Food and Nutrition Centre	Technical Assistance

FUNDING AGENCY/SPONSOR

Name	Abbreviation
The United Republic of Tanzania	TZA
The European Union	EU
The World Bank	WB
The United Nations Children's Fund	UNICEF

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Role
East African Statistical Training Centre	Technical Assistant
University of Dodoma	Technical Assistant

Sampling

SAMPLING PROCEDURE

The NPS is based on a stratified, multi-stage cluster sample design. The original sampling frame was from the 2002 Population and Housing Census (PHC), and more specifically, the National Master Sample Frame, which is a list of all populated Enumeration Areas (EA) in the country.

The sample design of the NPS recognizes four explicit analytical strata: Dar es Salaam, Other Urban areas in Mainland, Rural areas in Mainland, and Zanzibar. Within each stratum, clusters were randomly selected as primary sampling units (PSU), with the probability of selection proportional to their population size. Clusters are equivalent to census EAs. In rural areas, an EA is a natural village or a segment of a large village, while in urban areas, an EA is a street or a city block. In the last stage, eight (8) households were randomly chosen in each cluster/EA.

The sample for the NPS 2020/2021 consisted of the 3,352 households corresponding to 419 clusters from the NPS 2014/2015 sample. Additionally, the "Booster Sample" consisted of a new selection of 545 households corresponding to 68 EAs. This

new sample in NPS 2020/21 will be maintained and tracked in all future waves of the NPS. Table 1.2 shows the allocation of clusters and households across strata for the NPS 2020/21 sample.

WEIGHTING

In order to produce nationally representative statistics with the NPS data, it is necessary to apply weighting or expansion factors. For previous rounds of the NPS, panel survey weights adjust for differences in the probability of selection into the NPS 2008/09 sample for observations in various strata, 2008/09 households splitting into multiple households in NPS 2010/11 and NPS 2012/13, splitting even further in NPS 2014/15, and attrition between rounds of the survey. A similar practice was used for panel survey weights in NPS 2020/21, based on their probability of selection in the NPS 2014/15 (as the Refresh Sample).

The methodology used to calculate the panel weights for the panel households in NPS 2020/21 was developed as part of the LSMS-ISA work program. Details on the methodology can be found in the paper: Himelein, Kristen. 2013. "Weight Calculations for Panel Surveys with Subsampling and Split-off Tracking." Statistics and Public Policy, vol (1), pp40-45 and in Page 36 of the BID document as Appendix A

Data Collection

DATES OF DATA COLLECTION

Start	End
2020-12-16	2022-01-31

DATA COLLECTION MODE

Face-to-face [f2f]

SUPERVISION

The survey was primarily implemented by eight mobile field teams, each composed of: one supervisor, seven enumerators, and one driver. Seven mobile field teams were responsible for different regions on the mainland and one team was responsible for all of Zanzibar.

DATA COLLECTION NOTES

Fieldwork for the NPS 2020/21 began in the last week of December 2020 and was completed in January 2022. This 14-month span of fieldwork addresses any intra-year seasonality concerns and fluctuations. The survey was primarily implemented by eight mobile field teams, each composed of: one supervisor, seven enumerators, and one driver. Seven mobile field teams were responsible for different regions on the mainland and one team was responsible for all of Zanzibar

DATA COLLECTORS

Name	Abbreviation	Affiliation
National Bureau of Statistics	NBS	Government of Tanzania

Questionnaires

QUESTIONNAIRES

Wave 5 National Panel Survey consists of four Questionnaires: A Household Questionnaire, Agriculture Questionnaire, Livestock Questionnaire, and Community Questionnaire.

The Household Questionnaire is comprised of thematic sections.

Agriculture Questionnaires collected information at both the plot and crop level on inputs, production and sales, consistent with key phases in the agricultural value chain.

The Livestock Questionnaire is administered to all households participating in these activities and asks about the inputs, outputs, labour, and sales related to these activities.

The Community Questionnaire collects information on physical and economic infrastructure and events in surveyed communities.

Data Processing

DATA EDITING

The National Panel Survey utilizes a concurrent field entry system known as Computer-Assisted Personal Interviews (CAPI). STATA software was utilized to perform complex aggregated checks. Furthermore, due to the panel nature of the survey, where applicable and appropriate, data was checked against previous round data.

Access policy

CONTACTS

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CONFIDENTIALITY

Confidentiality of respondents is guaranteed by section 20 of Tanzania Statistics act number 1 of 2002. Before being granted access to the dataset, all users have formally agreed: 1. All identifying information such as the name and address of respondent has been removed; and 2. The information is disclosed in a manner that is not likely to enable the identification of the particular person or undertaking or business to which it relates. 3. Not attempt to identify any particular person or undertaking or business; 4. Use of information for research or statistical purpose only; 5. Not to disclose the information to any other person, organization 6. When required by the Director General, return all documents made available to him to the Director General; 7. Comply with the directions given by the Director General relating to the records. 8. Every person involved in the research or statistical project for which information is disclosed pursuant to this section shall make the declaration of secrecy set out in the first schedule.

ACCESS CONDITIONS

Tanzania NBS considered three levels of accessibility:

- 1) Public use files, accessible by all
- 2) Licensed datasets, accessible under certain conditions
- 3) Datasets only accessible on location, for certain datasets

The dataset has been anonymized and available as a public use dataset. It is accessible to all for statistical and research purposes only, under the following terms and conditions:

1. The data and other material will not be redistributed or sold to other individuals, institutions, or organization without the written agreement of the Tanzania National Bureau of Statistics.
2. The data will be used for statistical and scientific research purposes only. They will be used solely for reporting of aggregated information, and not for investigation of specific individuals or organizations.
3. No attempt will be made to produce links among dataset provided by the National Bureau of Statistics, or among data from the (National Bureau of Statistics) and other datasets that could identify individuals or organizations.
4. No attempt will be made to re-identify respondents, and no use will be made of the identity of any person or establishment discovered inadvertently. Any such discovery would immediately be reported to the National Bureau of Statistics.
5. Any books, articles, conference papers, theses, dissertations, reports, or other publications that employ data obtained from the National Bureau of Statistics will cite the source of data in accordance with the Citation Requirement provided with each dataset.

CITATION REQUIREMENTS

National Bureau of Statistics (NBS) [Tanzania]. 2022. Tanzania National Panel Survey Report (NPS) - Wave 5, 2020 - 2021. Dodoma, Tanzania: NBS.

ACCESS AUTHORITY

Name	Affiliation	Email	URL
National Bureau of Statistics	NBS	sg@nbs.go.tz	www.nbs.go.tz

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Metadata production

DDI DOCUMENT ID

DDI-TZA-NBS-NPS-2020-21-v01

PRODUCERS

Name	Abbreviation	Affiliation	Role
NATIONAL BUREAU OF STATISTICS	NBS	MINISTRY OF FINANCE AND PLANNING	DATA PRODUCER

DATE OF METADATA PRODUCTION

2023-01-25

DDI DOCUMENT VERSION

Version 1.0

Data Description

Data file	Cases	Variables
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Download related resources

Questionnaires

NPS Household Questionnaire

Title NPS Household Questionnaire

NPS Agriculture Questionnaire

Title NPS Agriculture Questionnaire

NPS Livestock Questionnaire

Title NPS Livestock Questionnaire

Other materials

Tanzania Panel Survey Wave 5 2020-2021

Title Tanzania Panel Survey Wave 5 2020-2021
 Country Tanzania
 Language English
 Filename https://www.nbs.go.tz/nbs/takwimu/nps/wave5/NPS_Wave_5.zip

BID Document Wave 5

Title BID Document Wave 5
 Country Tanzania
 Language English
 Filename <https://www.nbs.go.tz/nbs/takwimu/nps/wave5/TZNPS-2020-2021-BID-Wave5.pdf>
