Tanzania National Panel Survey (TNPS) 2019/20 Wave 5

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Tanzania National Panel Survey (TNPS)

The National Panel Survey (NPS) is a nationally representative household survey to present the living standards of the population to track the growth and reduction of poverty

Launched in 2008 with support from Living Standards Measurements Survey – Integrated Survey on Agriculture (LSMS-ISA) programme at WorldBank and implemented by the Tanzania National Bureau of Statistics (NBS)

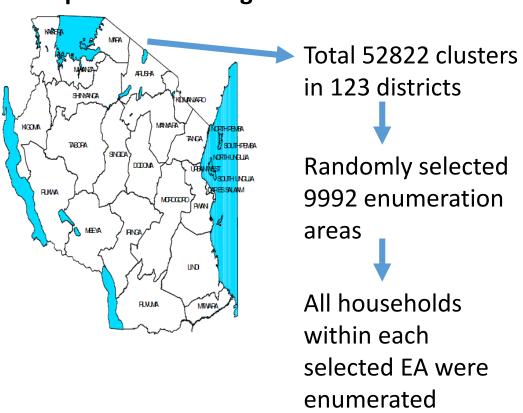
- Wave 1: 2008/09 (Oct 08 Sep 09)
- Wave 2: 2010/11 (Oct 10 Nov 11)
- Wave 3: 2012/13 (Oct 12 Nov 13)
- Wave 4: 2014/15 (Oct 12 Nov 13)
- Wave 5: 2019/20 (Oct 14 Nov 15)

Wave 1: 2008/09 Total 3280HHs

Multi-stage cluster sample design:

• Based on the enumeration areas (EAs, as sample clusters) in 2002 Population and Housing Census (34.4 million population in 123 districts); on average, 800 pop. in rural (i.e. village) and 400 pop. in urban per EA, and 9992 EAs were randomly selected from total 52822 EAs

In 2002 Population Housing Census



In TNPS Wave 1, used 2002 EAs, took 410 clusters and randomly selected 8 households in each EA

Wave 1	Clusters	HHs
Mainland Total	350	2800
Dar es Salaam	70	560
Other Urban areas	52	416
Rural areas	228	1824
Zanzibar Total	60	480
Urban areas	30	240
Rural areas	30	240
TOTAL	410	3280

Wave 1: 2008/09 Total 3280HHs

Wave 2: 2010/11 Total 3846HHs

Wave 3: 2012/13 Total 5010HHs

Included split-off and absent households (<96% capture)

Wave 4: 2014/15

'Extended Panel' 860HHs (randomly selected from Wave 3)

'Refresh Panel' **3360HHs** (used the new population census frame)

	Extende	ed Panel Refresh Panel		
	HHs	Clusters	HHs	Clusters
Tanzania	860	68	3360	420
Mainland	759	59	2880	360
Zanzibar	101	9	480	60

- Bias from attrition
- Changes in administrative boundaries, demographic shifts or updated population information

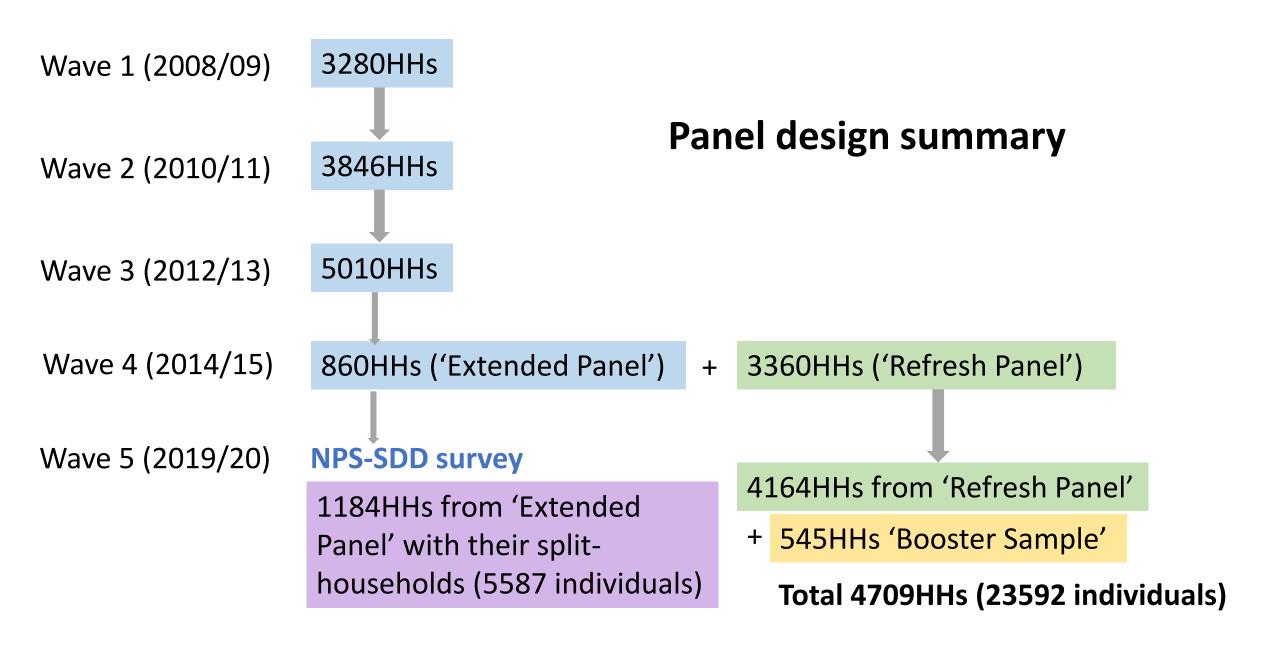
Wave 5: 2019/20 National Panel Survey and subset with sex-disaggregated data

- Sampled 4164HHs ('Refresh Panel' at W4 + W5 survey)
 - + 545HHs (W5 only, adding 'Booster Sample' from major urban areas)
 - **= Total 4709HHs (23592 individuals)**
- NPS with sex-disaggregated survey (NPS-SDD)

An off-shot survey from 'extended panel' – 1184HHs (5587 individuals) included split households

To improve individual-level data in education, health, time use and labour, asset ownership and rights particularly on dwelling, land, consumer durables (mobile phones) and financial assets

- agricultural production
- farm income generation
- individual rights of plots
- consumption and expenditure
- socio-economic characteristics



Obtaining TNPS W5 datasets

- Step 1: Visit 'The Microdata Library' (https://microdata.worldbank.org/)
- Step 2: Living Standards Measurement Study (LSMS) -> select country
- 'Tanzania' -> 'National Panel Survey 2020-2021, Wave 5'
- Study description background, sampling, data collection etc.
- Data description data description by files, variable information in each file
- **Documentation** questionnaires, reports, technical documents
- Get microdata download the dataset (need a registration)
 Download 'Data in CSV Format' -> open Zip folder -> put the files in R working directory

NPS-SDD included 4 survey instruments:

- Household Questionnaire
- Agriculture Questionnaire
- Livestock Questionnaire
- Community Questionnaire



Identify which variables are useful to conduct household food consumption data analysis

- 'Basic Information Document Tanzania National Panel Survey (2020-21)'
- 'Tanzania National Panel Survey (NPS 2020/2021) - Household and Individual Questionnaire'

HOUSEHOLD QUESTIONNAIRE:

Section A: Household Identification

Section B: Household Member Roster/ Land Plot Roster

Section C: Education

Section D: Health Section E: Labour

Section F: Food Consumed Outside the Household

Section G: Subjective Welfare and Crime

Section G1: Plot Details / Individual Rights to Plots

Section G2: Financial Assets

Section G3: Mobile Phone Ownership

Section H: Food Security

Section I: Housing, Water, and Sanitation / Handwashing

Section J: Consumption of Food Over Past One Week

Section K: Non-Food Expenditures – One Week/One Month

Section L: Non-Food Expenditures – Twelve Months

Section M: Household Assets

Section N: Family / Household Non-Farm Enterprises

Section O: Assistance and Groups

Section P: Credit Section Q: Finance

Section R: Recent Shocks to Household Welfare

Section S: Deaths in Household

Section U: Household Re-contact Information / Filters

Section V: Anthropometry

Section WQT: Water Quality Testing

I T E M C O D E		YBS1	your hous consume i days? KILOGRAM GRAMS LITRE MILLILIT PIECES	ehold n the past 7	purchases past 7 day IF NONE FOR QUAI LEAVE UN	WRITE 0 NTITY AND NIT BLANK	4. How much did you spend? THIS QUESTION REFERS TO THE QUANTITY IN QUESTION 3	4 1. Where did you purchase the [ITEM]? LOCAL MILL	IF NONE FOR Q AND LE BL	E WRITE 0 UANTITY AVE UNIT ANK ▶6	EXCLUTAKEN OF HOUSE OF WANTITY UNIT	came from other sources? JDE FOOD OUTSIDE THE SEHOLD WRITE 0 FOR Y AND LEAVE BLANK	DE LINE NUMBER
Carrala	and County and arts	(►NEXT)	UNIT	QUANTITY	UNIT	QUANTITY	TSH		UNIT	QUANTITY	UNIT	QUANTITY	<u> </u>
	and Cereal products			1			I	viiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii					1
0101	Rice (paddy)												2
0102	Rice (husked)												3
0103	Maize (green, cob)												4
0104	Maize (grain)												5
0105	Maize (flour)												6
0106	Millet and sorghum (grain)												7
0107	Millet and sorghum (flour)												8
01081	Wheat flour												9
01082	Barley grain and other cereals												10
0109	Bread												11
0110	Buns, cakes and biscuits												12
0111	Macaroni, spaghetti												13
0112	Other cereal products												14
Starche	S												15
0201	Cassava fresh												16

	I	y	_
0202	Cassava dry/flour		
0203	Sweet potatoes		
0204	Yams/cocoyams		
0205	Irish potatoes		
0206	Cooking bananas, plantains		
0207	Other starches		
Sugar a	nd Sweets		
0301	Sugar		Γ
0302	Sweets		
0303	Honey, syrups, jams, marmalade, jellies, canned fruit		
Pulses,	Dry		
0401	Peas, beans, lentils and other pulses		
Nuts an	d Seeds		
0501	Groundnuts in shell/shelled		
0502	Coconuts (mature/immature)		
0503	Cashew, almonds and other nuts		
0504	Seeds and products from nuts/seeds (excl. cooking oil)		

		(⊪2
Vegetal	bles	
0601	Onions, tomatoes, carrots and green pepper, other viungo	
0602	Spinach, cabbage and other green vegetables	
0603	Canned, dried and wild vegetables	
Fruits		
0701	Ripe bananas	
0702	Citrus fruits (oranges, lemon, tangerines, etc.)	
0703	Mangoes, avocadoes and other fruits	
0704	Sugarcane	
Meat, n	neat products, fish	
0801	Goat meat	
0802	Beef including minced sausage	
0803	Pork including sausages and bacon	
0804	Chicken and other poultry	
0805	Wild birds and insects	

		(►NEXT)	
0806	Other domestic/wild meat products		
0807	Eggs		
0808	Fresh fish and seafood (including dagaa)		
0809	Dried/salted fish and seafood (incl. dagaa)		
0810	Package/Canned fish		
Milk and	d milk products		
0901	Fresh milk		
0902	Milk products (like cream, cheese, yoghurt etc)		
0903	Canned milk/milk powder		
Oil and	fats		
1001	Cooking oil		
1002	Butter, margarine, ghee and other fat products		
Spices	and other foods		
1003	Salt		
1004	Other spices		
Beverag	<u>jos</u>		
1101	Tea dry		

		(►NEXT)
1102	Coffee and cocoa	
1103	Other raw materials for drinks	
Beveraç	<u>jes</u>	
1104	Bottled/canned soft drinks (soda, juice, water)	
1105	Prepared tea, coffee	
1106	Bottled beer	
1107	Local brews	
1108	Wine and spirits	