

**South Africa**

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**AHRI.HouseholdObservations**

**Study Documentation**

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# Metadata Production

<b>Metadata Producer(s)</b>	Africa Health Research Institute (AHRI)
<b>Identification</b>	DDI.AHRI.Household.Observations

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## AHRI.HouseholdObservations

### Overview

<b>Identification</b>	AHRI.Household.Observations
<b>Version</b>	v1.0.0

#### Abstract

Africa Health Research Institute (AHRI) is a multidisciplinary, independent research institute. AHRI's goal is to become a source of fundamental discoveries into the susceptibility, transmission and cure of HIV, TB and related diseases. We also seek ways to improve diagnosis, prevention and treatment. To achieve this, we bring together leading researchers from different fields, use cutting edge science to improve people's health, and help to train the next generation of African scientists.

AHRI has conducted individual and household demographic surveillance since 2000. Demographic surveillance data are processed for longitudinal analyses by organizing the demographic surveillance data into individual and household residency episodes at a geographical physical location, and individual membership episodes within a household. Start events of residency and memberships include enumeration, birth, in-migration and relocating into a household from within the study population. Exit events of residency and memberships include death (by cause), out-migration and relocating to another location in the study population. AHRI annually produces a suite of Individual Demographic surveillance datasets which contains detailed records of all individuals under surveillance since January 2000. The datasets detail individual residency and membership patterns, household mortality (including cause of death), fertility, migration, HIV status, health care utilization, and household socio-economic profile.

Each record in the dataset represents a period of observation for an individual during which all the recorded characteristics of the individual stay constant. For example, on the birthday of the individual a new episode will start, because the age of the individual has changed. An out-migration will result in a new episode, because the location or residential status has changed. Any change in one of the status values, such as education, marital status, social-economic status and HIV will likewise result in a new episode on the date of the change.

The following are the versions of the Demographic surveillance datasets:

CoresidencyEpisodes  
 EducationCleaned  
 EducationStatuses  
 HIVStatusEpisodes  
 HouseholdAssets  
 HouseholdMap  
 HouseholdObservations  
 HouseholdSocioEconomicStatus  
 HouseholdStatusEpisodes  
 IndividualHSEEpisodes  
 IndividualMap  
 LabourEpisodes  
 LabourStatuses  
 LocationMap  
 MaritalStatuses  
 PartnerEpisodes  
 SurveillanceEpisodesBasic  
 SurveillanceEpisodesYTAge  
 SurveillanceEpisodes YrAge\_Coresidency  
 SurveillanceEpisodesYrAge\_HIV  
 SurveillanceEpisodes VrAge\_HSE  
 SurveillanceEpisodes YrAge\_Labour  
 SurveillanceEpisodesYrAge\_Partners  
 SurveillanceEpisodesYrAgeDel

SurveillanceEpisodes VrAgeDel_HSE	
SurveillanceEpisodesYrAgeDeL_HSE_Labour	
SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partner_Parents	
SurveillanceEpisodes VrAgeDel_HSE_Labour_Partner_Parents_HIV	
SurveillanceEpisodesYrAgeDeL_HSE_Labour_Partners	
<b>Kind of Data</b>	Event History Data
<b>Unit of Analysis</b>	Episodes of exposure

<b>Scope &amp; Coverage</b>	
<b>Keywords</b>	Fertility, Mortality, Migration, Social-economic status, HIV, ART
<b>Topics</b>	Household Observations
<b>Time Period(s)</b>	2000-2024
<b>Countries</b>	South Africa
<b>Geographic Coverage</b>	
<p>AHRI is situated in the south-east portion of the uMkhanyakude district of KwaZulu-Natal province near the town of Mtubatuba. It is bounded on the west by the Umfolozi-Hluhluwe nature reserve, on the south by the Umfolozi river, on the east by the N2 highway (except form portions where the KwaMsane township strangles the highway) and in the north by the provincial road R22. The surveillance area is approximately 845km<sup>2</sup> in size.</p>	
<b>Universe</b>	
<p>Households resident in dwellings within the study area are eligible for inclusion in the household component of AHRI Demographic Surveillance. All individuals identified by the household proxy informant as members of the households are enumerated. A resident household member is an individual that intends to sleep majority of time at the dwelling occupied by the household over a four-month period. Households include resident and non-resident members. An individual is a non-resident member if they have close ties to the household, but do not physically reside with the household at the dwelling most of the time. Non-resident members can also be called temporary migrants and they are enumerated within the household list. Because household membership is not tied to physical residency, an individual may be a member of more than one household.</p>	

<b>Producers &amp; Sponsors</b>	
<b>Primary Investigator(s)</b>	Dr Kobus Herbst, AHRI, SAPRIN Dr Guy Harling, AHRI Dr Mark Siedner, AHRI Prof Willem Hanekom, AHRI
<b>Other Producer(s)</b>	Africa Health Research Institute (AHRI)
<b>Funding Agency/ies</b>	Wellcome Trust (WT) , Core funding SAPRIN (SAPRIN)
<b>Other Acknowledgment(s)</b>	AHRI Research Data Management Team , Research Data Management , AHRI AHRI Data Collection Team , Data Collection , AHRI AHRI Community Engagement Team , Community Engagement , AHRI

<b>Sampling</b>
<b>Sampling Procedure</b>
This dataset is not based on a sample but contains information from the complete demographic surveillance areas.

## Data Collection

<b>Data Collection Dates</b>	start 2000-02-22 end 2024-12-12
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## Data Processing & Appraisal

### Data Editing

Data collected in this study was centrally stored on AHRI's secure database servers. Data was collected through interviews at the call centre on central server using Survey Solutions, and in the field on paper and encrypted tablet computers using REDCap, and then securely uploaded to a central server. Database rules and constraints were enforced on the master database to ensure that only valid data was stored. Personally identifiable data was restricted to separate database tables accessible only to data management staff .

## Accessibility

### Access Conditions

Access to the data requires accurate completion of the online data access application form accessible on the AHRI Data repository(<<https://data.ahri.org/>>). Data users are required to abide by the data use conditions stipulated on the application for access to the data. Failure to do so may result in their data access privileges being revoked by the Data Custodian. In order to recognise the effort and intellectual contributions of AHRI investigators in producing and curating the data, users of AHRI data must acknowledge the source of the data and abide by the terms and conditions under which the data is accessed and must cite the dataset in publication using the citation provided as part of this documentation. All analytical datasets published on the AHRI Data Repository are assigned digital object identifier (DOIs) and the DOIs can be found on the Data Repository under Study Description tab - Access policy. AHRI data users are required to always cite the dataset using the relevant DOI.

<https://github.com/SAPRIN-MRC/SaprinEpisodes.jl.git>

### Citation Requirements

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DOI:<https://doi.org/10.23664/AHRI.HOUSEHOLD.OBSERVATIONS>

# Files Description

Dataset contains 1 file(s)

<b>HouseholdObservations</b>	
<b># Cases</b>	290708
<b># Variable(s)</b>	37

# Variables List

Dataset contains 37 variable(s)

File HouseholdObservations							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	<a href="#">Observat ..</a>	Observation date	continuous	numeric-11.0	290708	0	-
2	<a href="#">WaterSou ..</a>	Source of drinking water	discrete	numeric-19.0	290708	0	-
3	<a href="#">Toilet</a>	Toilet type	discrete	numeric-19.0	290708	0	-
4	<a href="#">Connecte ..</a>	Connected to electricity grid	discrete	numeric-9.0	273933	16775	-
5	<a href="#">CookingF ..</a>	Type of fuel used for cooking	discrete	numeric-16.0	290708	0	-
6	<a href="#">WallMate ..</a>	Building material for walls	discrete	numeric-24.0	290708	0	-
7	<a href="#">FloorMat ..</a>	Building mmaterial used for floors	discrete	numeric-24.0	290708	0	-
8	<a href="#">Bedrooms</a>	Number of bedrooms	continuous	numeric-9.0	135012	155696	-
9	<a href="#">Crime</a>	Victim of crime	discrete	numeric-30.0	290708	0	-
10	<a href="#">Financia ..</a>	Self reported financial status	discrete	numeric-16.0	290708	0	-
11	<a href="#">CutMeals</a>	Reduced food intake	discrete	numeric-9.0	273824	16884	-
12	<a href="#">CutMeals ..</a>	Reduced food intake frequency	discrete	numeric-19.0	290708	0	-
13	<a href="#">NotEat</a>	Skipped meals	discrete	numeric-9.0	273820	16888	-
14	<a href="#">NotEatFr ..</a>	Skipped meals frequency	discrete	numeric-19.0	290708	0	-
15	<a href="#">ChildMea ..</a>	Children skipped meals	discrete	numeric-9.0	273798	16910	-
16	<a href="#">ChildMea ..</a>	Children skipped meals frequency	discrete	numeric-19.0	290708	0	-
17	<a href="#">ConsentT ..</a>	Consented to telephone surveillance	discrete	numeric-9.0	290708	0	-
18	<a href="#">RoofMate ..</a>	Building material used for roof	discrete	numeric-24.0	40657	250051	-
19	<a href="#">Distance ..</a>	Distance to water source	discrete	numeric-10.0	11763	278945	-
20	<a href="#">InterNet ..</a>	Internet access	discrete	numeric-11.0	24663	266045	-
21	<a href="#">LackMoney</a>	Lack of money	discrete	numeric-9.0	24645	266063	-
22	<a href="#">LackMone ..</a>	Lack of money frequency	discrete	numeric-19.0	40657	250051	-
23	<a href="#">EatHealthy</a>	Eat healthy	discrete	numeric-9.0	24651	266057	-
24	<a href="#">EatHealt ..</a>	Eat healthy frequency	discrete	numeric-19.0	40657	250051	-
25	<a href="#">LimitedF ..</a>	Limited food	discrete	numeric-9.0	24649	266059	-
26	<a href="#">LimitedF ..</a>	Limited food frequency	discrete	numeric-19.0	40657	250051	-
27	<a href="#">SkipMeals</a>	Skip meals	discrete	numeric-9.0	24647	266061	-
28	<a href="#">SkipMeal ..</a>	Skip meals frequency	discrete	numeric-19.0	40657	250051	-
29	<a href="#">OutOfFood</a>	Out of food	discrete	numeric-9.0	24649	266059	-
30	<a href="#">OutOfFoo ..</a>	Out of food frequency	discrete	numeric-19.0	40657	250051	-
31	<a href="#">WentHungry</a>	Went hungry	discrete	numeric-9.0	24643	266065	-
32	<a href="#">WentHung ..</a>	Went hungry frequency	discrete	numeric-19.0	40657	250051	-
33	<a href="#">AgriActi ..</a>	Agricultural activity location	discrete	numeric-23.0	8669	282039	-

<b>File HouseholdObservations</b>							
#	Name	Label	Type	Format	Valid	Invalid	Question
34	<a href="#">Lighting..</a>	Source of lighting	discrete	numeric-16.0	40657	250051	-
35	<a href="#">OwnerIsM..</a>	Owner of the homestead is a household member	discrete	numeric-9.0	0	290708	-
36	<a href="#">Househol..</a>	Unique household identifier	continuous	numeric-9.0	290708	0	-
37	<a href="#">Observat..</a>	Unique observation identifier	continuous	numeric-9.0	290708	0	-

# Variables Description

Dataset contains 37 variable(s)

## File : HouseholdObservations

### # ObservationDate: Observation date

**Information** [Type= continuous] [Format=numeric] [Range= 1266796800000-2076071864000] [Missing=\*]

**Statistics [NW/ W]** [Valid=290708 /-] [Invalid=0 /-] [Mean=1775203672398.26 /-] [StdDev=226076323104.13 /-]

### # WaterSource: Source of drinking water

**Information** [Type= discrete] [Format=numeric] [Range= 0-11] [Missing=\*]

**Statistics [NW/ W]** [Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Refused/Missing	30246	10.4%
1	Piped (stand/house)	53113	18.3%
2	Piped (communal)	110148	37.9%
3	Borehole	23696	8.2%
4	Rainwater	12970	4.5%
5	Flowing river	21787	7.5%
6	Dam/standing	9238	3.2%
7	Protected spring	1548	0.5%
8	Tanker	27458	9.4%
10	Other purified	504	0.2%
11	Other unpurified	0	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # Toilet: Toilet type

**Information** [Type= discrete] [Format=numeric] [Range= 0-19] [Missing=\*]

**Statistics [NW/ W]** [Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/DKN	52186	18.0%
1	Flush	24219	8.3%
2	VIP	42467	14.6%
3	Other Pit	149299	51.4%
4	Bucket	3070	1.1%
5	Chemical	17217	5.9%
6	None	0	
7	Other	0	
8		21	0.0%
11		50	0.0%
15		1524	0.5%
16		88	0.0%
17		8	0.0%
18		2	0.0%
19		557	0.2%

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # ConnectedToGrid: Connected to electricity grid

**Information** [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=\*]

**Statistics [NW/ W]** [Valid=273933 /-] [Invalid=16775 /-]

## File : HouseholdObservations

### # ConnectedToGrid: Connected to electricity grid

Value	Label	Cases	Percentage
0	No	45374	16.6%
1	Yes	228559	83.4%
Sysmiss		16775	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # CookingFuel: Type of fuel used for cooking

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-99] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	40140	13.8%
1	Wood	51114	17.6%
2	Gas	10199	3.5%
3	Coal	306	0.1%
4	Electricity	165068	56.8%
5	Paraffin	2347	0.8%
6	Grid electricity	21255	7.3%
7	Generator	38	0.0%
8	Solar	6	0.0%
9	Dung	1	0.0%
10	Candles	0	
89	None	233	0.1%
90	Other	1	0.0%
99	Unknown	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # WallMaterial: Building material for walls

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-20] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	155565	53.5%
1	Brick	3471	1.2%
2	Cement	120908	41.6%
3	Other modern material	2755	0.9%
4	Stabilised mud	3548	1.2%
5	Traditional mud	1408	0.5%
6	Wood	970	0.3%
7	Other informal structure	1773	0.6%
8	Tiles	14	0.0%
9	Modern carpet	0	
10	Other modern material	0	
11	Dirt	0	
12	Mat	0	
13	Other traditional	0	
14		24	0.0%

## File : HouseholdObservations

### # WallMaterial: Building material for walls

Value	Label	Cases	Percentage
15		40	0.0%
16		182	0.1%
17		2	0.0%
18		15	0.0%
19		27	0.0%
20		6	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # FloorMaterial: Building material used for floors

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-23] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	168518	58.0%
1	Brick	0	
2	Cement	61038	21.0%
3	Other modern material	2453	0.8%
4	Stabilised mud	0	
5	Traditional mud	0	
6	Wood	247	0.1%
7	Other informal structure	0	
8	Tiles	39677	13.6%
9	Modern carpet	2898	1.0%
10	Other modern material	0	
11	Dirt	2705	0.9%
12	Mat	11853	4.1%
13	Other traditional	1089	0.4%
20		18	0.0%
21		8	0.0%
22		8	0.0%
23		196	0.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # Bedrooms: Number of bedrooms

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 0-88] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=135012 /-] [Invalid=155696 /-] [Mean=3.728 /-] [StdDev=2.07 /-]

### # Crime: Victim of crime

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-30] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	41799	14.4%
1	None	236697	81.4%
2	Theft	9781	3.4%
4	Assault	772	0.3%

## File : HouseholdObservations

### # Crime: Victim of crime

Value	Label	Cases	Percentage
6	Theft & Assault	141	0.0%
8	Murder	535	0.2%
10	Theft & Murder	23	0.0%
12	Assault & Murder	9	0.0%
14	Theft, Assault & Murder	9	0.0%
16	Other crime	860	0.3%
18	Theft & Other	51	0.0%
20	Assault & Other	15	0.0%
22	Theft, Assault & Other	10	0.0%
24	Murder & Other	1	0.0%
26	Theft, Murder & Other	3	0.0%
28	Assault, Murder & Other	1	0.0%
30	Theft, Assault, Murder & Other	1	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # FinancialStatus: Self reported financial status

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-5] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	34244	11.8%
1	Extremely Poor	7438	2.6%
2	Poor	52500	18.1%
3	Just getting by	181735	62.5%
4	Comfortable	14190	4.9%
5	Very Comfortable	601	0.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # CutMeals: Reduced food intake

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=273824 /-] [Invalid=16884 /-]

Value	Label	Cases	Percentage
0	No	264985	96.8%
1	Yes	8839	3.2%
Sysmiss		16884	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # CutMealsFrequency: Reduced food intake frequency

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	281954	97.0%
1	Almost every month	3325	1.1%
2	Some months not all	4744	1.6%
3	Only once or twice	685	0.2%

## File : HouseholdObservations

### # CutMealsFrequency: Reduced food intake frequency

Value	Label	Cases	Percentage
4	None	0	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # NotEat: Skipped meals

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=273820 /-] [Invalid=16888 /-]

Value	Label	Cases	Percentage
0	No	268513	98.1%
1	Yes	5307	1.9%
Sysmiss		16888	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # NotEatFrequency: Skipped meals frequency

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	285445	98.2%
1	Almost every month	2100	0.7%
2	Some months not all	2736	0.9%
3	Only once or twice	427	0.1%
4	None	0	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # ChildMealSkipCut: Children skipped meals

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=273798 /-] [Invalid=16910 /-]

Value	Label	Cases	Percentage
0	No	269304	98.4%
1	Yes	4494	1.6%
Sysmiss		16910	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # ChildMealSkipCutFrequency: Children skipped meals frequency

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	286255	98.5%
1	Almost every month	1898	0.7%
2	Some months not all	2225	0.8%
3	Only once or twice	330	0.1%
4	None	0	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # ConsentToCall: Consented to telephone surveillance

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
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## File : HouseholdObservations

### # ConsentToCall: Consented to telephone surveillance

Statistics [NW/ W] [Valid=290708 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	No	150112	51.6%
1	Yes	140596	48.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # RoofMaterial: Building material used for roof

Information [Type= discrete] [Format=numeric] [Range= 0-20] [Missing=\*]

Statistics [NW/ W] [Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	15986	39.3%
1	Brick	0	
2	Cement	470	1.2%
3	Other modern material	0	
4	Stabilised mud	44	0.1%
5	Traditional mud	1	0.0%
6	Wood	15	0.0%
7	Other informal structure	0	
8	Tiles	2987	7.3%
9	Modern carpet	0	
10	Other modern material	0	
11	Dirt	0	
12	Mat	0	
13	Other traditional	0	
14		1212	3.0%
15		4	0.0%
16		19872	48.9%
17		1	0.0%
18		61	0.2%
19		2	0.0%
20		2	0.0%
Sysmiss		250051	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # DistanceToWater: Distance to water source

Information [Type= discrete] [Format=numeric] [Range= 0-5] [Missing=\*]

Statistics [NW/ W] [Valid=11763 /-] [Invalid=278945 /-]

Value	Label	Cases	Percentage
0	Missing	0	
1	LT200m	5969	50.7%
2	BT201_500m	2703	23.0%
3	BT501_1km	523	4.4%
4	GT1km	168	1.4%
5	Unknown	2400	20.4%
Sysmiss		278945	

## File : HouseholdObservations

### # DistanceToWater: Distance to water source

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # InterNetAccess: Internet access

**Information** [Type= discrete] [Format=numeric] [Range= 0-5] [Missing=\*]

**Statistics [NW/ W]** [Valid=24663 /-] [Invalid=266045 /-]

Value	Label	Cases	Percentage
0	Missing	0	
1	HomeNetwork	3903	15.8%
2	Cellphone	13091	53.1%
3	WorkNetwork	189	0.8%
4	Elsewhere	48	0.2%
5	NoAccess	7432	30.1%
Sysmiss		266045	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # LackMoney: Lack of money

**Information** [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=\*]

**Statistics [NW/ W]** [Valid=24645 /-] [Invalid=266063 /-]

Value	Label	Cases	Percentage
0	No	24148	98.0%
1	Yes	497	2.0%
Sysmiss		266063	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # LackMoneyFrequency: Lack of money frequency

**Information** [Type= discrete] [Format=numeric] [Range= 0-4] [Missing=\*]

**Statistics [NW/ W]** [Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40161	98.8%
1	Almost every month	293	0.7%
2	Some months not all	118	0.3%
3	Only once or twice	85	0.2%
4	None	0	
Sysmiss		250051	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # EatHealthy: Eat healthy

**Information** [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=\*]

**Statistics [NW/ W]** [Valid=24651 /-] [Invalid=266057 /-]

Value	Label	Cases	Percentage
0	No	24166	98.0%
1	Yes	485	2.0%
Sysmiss		266057	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

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### # EatHealthyFrequency: Eat healthy frequency

**Information** [Type= discrete] [Format=numeric] [Range= 0-4] [Missing=\*]

**Statistics [NW/ W]** [Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40172	98.8%
1	Almost every month	286	0.7%
2	Some months not all	111	0.3%
3	Only once or twice	88	0.2%
4	None	0	
Sysmiss		250051	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # LimitedFood: Limited food

**Information** [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=\*]

**Statistics [NW/ W]** [Valid=24649 /-] [Invalid=266059 /-]

Value	Label	Cases	Percentage
0	No	24199	98.2%
1	Yes	450	1.8%
Sysmiss		266059	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # LimitedFoodFrequency: Limited food frequency

**Information** [Type= discrete] [Format=numeric] [Range= 0-4] [Missing=\*]

**Statistics [NW/ W]** [Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40207	98.9%
1	Almost every month	278	0.7%
2	Some months not all	99	0.2%
3	Only once or twice	73	0.2%
4	None	0	
Sysmiss		250051	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # SkipMeals: Skip meals

**Information** [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=\*]

**Statistics [NW/ W]** [Valid=24647 /-] [Invalid=266061 /-]

Value	Label	Cases	Percentage
0	No	24220	98.3%
1	Yes	427	1.7%
Sysmiss		266061	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # SkipMealsFrequency: Skip meals frequency

**Information** [Type= discrete] [Format=numeric] [Range= 0-4] [Missing=\*]

**Statistics [NW/ W]** [Valid=40657 /-] [Invalid=250051 /-]

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### # SkipMealsFrequency: Skip meals frequency

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40230	98.9%
1	Almost every month	259	0.6%
2	Some months not all	100	0.2%
3	Only once or twice	68	0.2%
4	None	0	
Sysmiss		250051	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # OutOfFood: Out of food

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=24649 /-] [Invalid=266059 /-]

Value	Label	Cases	Percentage
0	No	24241	98.3%
1	Yes	408	1.7%
Sysmiss		266059	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # OutOfFoodFrequency: Out of food frequency

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40250	99.0%
1	Almost every month	266	0.7%
2	Some months not all	91	0.2%
3	Only once or twice	50	0.1%
4	None	0	
Sysmiss		250051	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # WentHungry: Went hungry

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=24643 /-] [Invalid=266065 /-]

Value	Label	Cases	Percentage
0	No	24262	98.5%
1	Yes	381	1.5%
Sysmiss		266065	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # WentHungryFrequency: Went hungry frequency

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused/NAD	40276	99.1%
1	Almost every month	251	0.6%

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### # WentHungryFrequency: Went hungry frequency

Value	Label	Cases	Percentage
2	Some months not all	89	0.2%
3	Only once or twice	41	0.1%
4	None	0	
Sysmiss		250051	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # AgriActivityLocation: Agricultural activity location

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-4] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=8669 /-] [Invalid=282039 /-]

Value	Label	Cases	Percentage
0	Missing	0	
1	Farm land	425	4.9%
2	Backyard	7103	81.9%
3	Communal or tribal land	1140	13.2%
4	Other	1	0.0%
Sysmiss		282039	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # LightingSource: Source of lighting

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-99] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=40657 /-] [Invalid=250051 /-]

Value	Label	Cases	Percentage
0	Missing/Refused	15995	39.3%
1	Wood	0	
2	Gas	121	0.3%
3	Coal	0	
4	Electricity	0	
5	Paraffin	5	0.0%
6	Grid electricity	10868	26.7%
7	Generator	21	0.1%
8	Solar	65	0.2%
9	Dung	0	
10	Candles	13065	32.1%
89	None	429	1.1%
90	Other	72	0.2%
99	Unknown	16	0.0%
Sysmiss		250051	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

### # OwnerIsMember: Owner of the homestead is a household member

<b>Information</b>	[Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=0 /-] [Invalid=290708 /-]

Value	Label	Cases	Percentage
0	No	0	

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### # OwnerIsMember: Owner of the homestead is a household member

Value	Label	Cases	Percentage
1	Yes	0	
Systemmiss		290708	

*Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.*

### # HouseholdId: Unique household identifier

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 1-41014] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-] [Mean=20506.537 /-] [StdDev=11827.036 /-]

### # ObservationId: Unique observation identifier

<b>Information</b>	[Type= continuous] [Format=numeric] [Range= 1-290708] [Missing=*]
<b>Statistics [NW/ W]</b>	[Valid=290708 /-] [Invalid=0 /-] [Mean=145354.5 /-] [StdDev=83920.315 /-]