

# South Africa - Agincourt Household Energy Panel 1992-2015

**DataFirst [panel producer], MRC/Wits Agincourt Unit [data producer]**

Report generated on: August 21, 2023

Visit our data catalog at: <https://www.datafirst.uct.ac.za/dataportal/index.php>

## Identification

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### SURVEY ID NUMBER

zaf-df-ahp-1992-2015-v1

### TITLE

Agincourt Household Energy Panel 1992-2015

### COUNTRY

Name	Country code
South Africa	zaf

### STUDY TYPE

Demographic and Health Surveillance System

### ABSTRACT

The MRC/Wits Agincourt Unit ([www.agincourt.co.za](http://www.agincourt.co.za)) has been collecting information on health, social and demographic outcomes in the Bushbuckridge area in the north-east of South Africa since 1992. The study site of the Health and Socio-Demographic Surveillance System (HDSS) comprising initially twenty villages was selected because it fell into an area previously designated as a "homeland" (Gazankulu) and thus exemplified many of the health and developmental challenges facing rural South Africa. The data collection process involves annual (since 1999) census rounds during which the main demographic and socio-economic variables are captured, as well as, since 2000, more detailed supplementary modules. After 2007 the study site was expanded to include another eleven villages.

The location of the Agincourt HDSS in a rural historically deprived area, with a long history of data collection, makes it an ideal place to investigate development processes. In 2015 DataFirst, the UK Data Archive and the MRC/Wits Agincourt Unit received an ESRC/NRF International Centre Partnership Grant<sup>1</sup> to use the data from the Agincourt surveillance system to investigate the quality of rural electrification data and to research the impact of electrification on local communities. In terms of this grant, a panel dataset was constructed from the Agincourt HDSS to facilitate this research. In line with the ESRC/NRF policies of open access a version of the household level panel is being made available via the DataFirst open data portal. The data were extracted in 2016, so the latest information in this release is from 2015 although the latest asset information is from the 2014 census round.

### KIND OF DATA

Panel Data

### UNIT OF ANALYSIS

Households and individuals

## Version

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### VERSION DESCRIPTION

V1.0: Edited, anonymised data for public distribution

### VERSION DATE

2023-08-17

## Scope

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### NOTES

During census rounds (annually since 1990) the main demographic and socio-economic variables are captured, in particular births, deaths, in- and out-migrations. Since 2000 more detailed supplementary modules have been fielded, dealing inter alia with household assets, education, grants, and employment information. The full list of variables is available in the metadata under Data Description as well as in the User Guide.

## Coverage

### GEOGRAPHIC COVERAGE

The study covers villages in the Bushbuckridge area in the north-east of South Africa

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
DataFirst [panel producer]	University of Cape Town
MRC/Wits Agincourt Unit [data producer]	University of the Witwatersrand

## Data Collection

### DATES OF DATA COLLECTION

Start	End
1992	2015

### DATA COLLECTION MODE

Face-to-face

### DATA COLLECTION NOTES

The data collection process involved annual (since 1999) census rounds, with specialist modules conducted at different intervals, e.g. the employment module was fielded every fourth year.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
DataFirst Support	University of Cape Town	support@data1st.org	www.support.data1st.org

### ACCESS CONDITIONS

Public access data for use under a Creative Commons CC-BY (Attribution-only) License

### CITATION REQUIREMENTS

Agincourt Health and Demographic Surveillance System. Agincourt Household Energy Panel 1992-2015 [dataset]. Version 1.0. Acornhoek: MRC/Wits Agincourt Unit [data producer]. Cape Town: DataFirst [panel producer and distributor]. DOI: <https://doi.org/10.25828/ghr2-tf65>

### ACCESS AUTHORITY

Name	Affiliation	Email	URL
DataFirst	University of Cape Town	support@data1st.org	support.data1st.org

## Metadata production

### PRODUCERS

Name	Affiliation	Role
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DataFirst	University of Cape Town	Metadata producer
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DATE OF METADATA PRODUCTION  
2023-08-21

DDI DOCUMENT VERSION  
Version 1

**Data Description**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>AgincourtHHpanel_public_v1</b>	326247	46



**Data file: AgincourtHHpanel\_public\_v1**

Cases: 326247

Variables: 46

**Variables**

ID	Name	Label	Question
V1	Household_Anon	Household identifier	
V2	year	Year	
V3	villagetype	Village type	
V4	hhsizfull	Household size including migrants	
V5	hhsiz	Household size, permanents only	
V6	femalehead	Female Headed Household	
V7	refugeehh	Pre-93 Moz Refugee Household	
V8	construct	main dwelling under construction	
V9	extend	plans to extend dwelling	
V10	StartYear	Start construction	
V11	FinYear	Year construction finished	
V12	walls	Construction material of walls	
V13	roof	Material used for roof	
V14	floor	Material used for floor	
V15	Rooms	Total number of rooms in the household	
V16	Bedrooms	Total number of bedrooms in the household	
V17	sepkitchen	Is there a separate kitchen?	
V18	sepliv	Is there a separate living/dining room?	
V19	toiletfac	Where is the toilet facility?	
V20	toilettype	Type of toilet	
V21	watersup	Main water supply	
V22	wateravail	Availability of the main water supply	
V23	distmetre	Distance to nearest water source	
V24	distmin	Time in minutes to nearest water source	
V25	powerlight	Main power for lights and appliances	
V26	powercook	Primary source of power for cooking	
V27	stove	Is there a functioning stove in the household?	
V28	fridge	Is there a functioning fridge in the household?	
V29	tv	Is there a functioning tv in the household?	
V30	video	Is there a functioning video in the household?	
V31	satdish	Is there a functioning satdish in the household?	
V32	radio	Is there a functioning radio in the household?	
V33	fixphone	Is there a functioning fixphone in the household?	
V34	cellphone	Is there a functioning cellphone in the household?	
V35	car	Is there a functioning car in the household?	
V36	mbike	Is there a functioning mbike in the household?	
V37	bicycle	Is there a functioning bicycle in the household?	
V38	cart	Is there a functioning cart in the household?	

ID	Name	Label	Question
V39	cattle	How many cattle are owned by the household?	
V40	goats	How many goats are owned by the household?	
V41	poultry	How many chickens are owned by the household?	
V42	pigs	How many pigs are owned by the household?	
V43	dn_av	Brightness per square km (average DN per pixel)	
V44	gen	Number of generations in household	
V45	hhtype	Household type - based on full membership	
V46	weight	weight for asset schedule	

Total: 46





**HOUSEHOLD\_ANON: Household identifier****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247    Invalid: 0  
 Type: Discrete    Width: 5    Range: -    Format: character

**STARTYEAR: Start construction****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109223    Invalid: 217024    Minimum: -2    Maximum: 2015    Mean: 412.904    Standard deviation: 812.128  
 Type: Continuous    Decimal: 0    Width: 4    Range: -2 - 2015    Format: Numeric

**YEAR: Year****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247    Invalid: 0    Minimum: 1992    Maximum: 2015    Mean: 2005.157    Standard deviation: 6.97  
 Type: Continuous    Decimal: 0    Width: 4    Range: 1992 - 2015    Format: Numeric

**VILLAGETYPE: Village type****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 1    Range: 1 - 3    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Core, SA	264548	81.1%
2	Core, refugee	32330	9.9%
3	Expand	29369	9%

**HHSIZEFULL: Household size including migrants****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247    Invalid: 0    Minimum: 1    Maximum: 45    Mean: 5.837    Standard deviation: 3.647  
 Type: Continuous    Decimal: 0    Width: 2    Range: 1 - 45    Format: Numeric

**HHSIZE: Household size, permanents only****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247   Invalid: 0   Minimum: 0   Maximum: 41   Mean: 4.54   Standard deviation: 3.244  
 Type: Continuous   Decimal: 0   Width: 2   Range: 0 - 41   Format: Numeric

**FEMALEHEAD: Female Headed Household****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 325197   Invalid: 1050  
 Type: Discrete   Decimal: 0   Width: 1   Range: 0 - 1   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	Male	198791	60.9%
1	Female	126406	38.7%
Sysmiss		1050	

**REFUGEEHH: Pre-93 Moz Refugee Household****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 326247   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 1   Range: 0 - 1   Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	not refugee	231331	70.9%
1	refugee	94916	29.1%

**CONSTRUCT: main dwelling under construction****Data file:** AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	426	0.1%
1	No	84623	25.9%
2	Yes	24214	7.4%
Sysmiss		216984	

**EXTEND: plans to extend dwelling**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	17033	5.2%
1	No	87023	26.7%
2	Yes	5207	1.6%
Sysmiss		216984	

**FINYEAR: Year construction finished**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109146    Invalid: 217101    Minimum: -2    Maximum: 2015    Mean: 1309.152    Standard deviation: 951.153  
 Type: Continuous    Decimal: 0    Width: 4    Range: -2 - 2015    Format: Numeric

**WALLS: Construction material of walls**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109024    Invalid: 217223  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 7    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	251	0.1%
1	Brick	4493	1.4%
2	Cement	95078	29.1%
3	Other modern	281	0.1%
4	Stabilized mud	4210	1.3%
5	Traditional mud	3773	1.2%
6	Wood	388	0.1%
7	Other Informal	550	0.2%
Sysmiss		217223	

**ROOF: Material used for roof**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	480	0.1%
1	Tiles	10290	3.2%
2	Corrugated Iron	96051	29.4%
3	Other modern	151	0%
4	Thatch	2187	0.7%
5	Other informal	104	0%
Sysmiss		216984	

**FLOOR: Material used for floor**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 8 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	544	0.2%
1	Tiles	7452	2.3%
2	Cement	97904	30%
3	Modern carpet	181	0.1%
4	Wood	48	0%
5	Other modern	109	0%
6	Dirt	2043	0.6%
7	Mat	108	0%
8	Other traditional	874	0.3%
Sysmiss		216984	

**ROOMS: Total number of rooms in the household**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109261 Invalid: 216986 Minimum: -2 Maximum: 707 Mean: 2.846 Standard deviation: 3.455  
 Type: Continuous Decimal: 0 Width: 3 Range: -2 - 707 Format: Numeric

**BEDROOMS: Total number of bedrooms in the household**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109262 Invalid: 216985 Minimum: -2 Maximum: 202 Mean: 2.37 Standard deviation: 1.662  
 Type: Continuous Decimal: 0 Width: 3 Range: -2 - 202 Format: Numeric

**SEPKIT: Is there a separate kitchen?**

Data file: AgincourtHHpanel\_public\_v1

**Overview**

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	634	0.2%
1	No	30067	9.2%
2	Yes	78562	24.1%
Sysmiss		216984	

### SEPLIV: Is there a separate living/dining room?

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	729	0.2%
1	No	48044	14.7%
2	Yes	60490	18.5%
Sysmiss		216984	

### TOILETFAC: Where is the toilet facility?

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 4 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	582	0.2%
1	In house	801	0.2%
2	In yard	78616	24.1%
3	Other house	17106	5.2%

4	Bush	12158	3.7%
Sysmiss		216984	

## TOILETTYPE: Type of toilet

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 4 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	573	0.2%
1	Modern	702	0.2%
2	VIP	7128	2.2%
3	Pit toilet	75476	23.1%
4	None	25384	7.8%
Sysmiss		216984	

## WATERSUP: Main water supply

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 11 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	573	0.2%
1	Tap in house	1018	0.3%
2	Tap in yard	28869	8.8%
3	Tap in street	69043	21.2%
4	Truck	3371	1%
5	Cement well	1861	0.6%
6	Traditional well	2086	0.6%
7	Pond	182	0.1%



8	River	1339	0.4%
9	Dam	22	0%
10	Rainwater tank	73	0%
11	Other	826	0.3%
Sysmiss		216984	

## WATERAVAIL: Availability of the main water supply

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 5 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	564	0.2%
1	Always	14178	4.3%
2	Most of the time	33994	10.4%
3	Few hours a day	10238	3.1%
4	Irregular, not every day	46084	14.1%
5	Very irregular	4205	1.3%
Sysmiss		216984	

## DISTMETRE: Distance to nearest water source

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 103594 Invalid: 222653  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 3 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	18088	5.5%
0	None	6290	1.9%
1	Immediate <50m	14441	4.4%
2	Nearby but not immediate (50-200m)	30796	9.4%

3	Far away >200m	33979	10.4%
Sysmiss		222653	

## **DISTMIN: Time in minutes to nearest water source**

Data file: AgincourtHHpanel\_public\_v1

### **Overview**

Valid: 108837 Invalid: 217410 Minimum: 0 Maximum: 190 Mean: 0.183 Standard deviation: 3.455  
 Type: Continuous Decimal: 0 Width: 3 Range: 0 - 190 Format: Numeric

## **POWERLIGHT: Main power for lights and appliances**

Data file: AgincourtHHpanel\_public\_v1

### **Overview**

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 6 Format: Numeric

### **Questions and instructions**

#### CATEGORIES

Value	Category	Cases	
-1	DK	537	0.2%
1	Electricity	97529	29.9%
2	Battery/Generator	149	0%
3	Solar power	284	0.1%
4	Paraffin	2787	0.9%
5	Candles	7949	2.4%
6	Other	28	0%
Sysmiss		216984	

## **POWERCOOK: Primary source of power for cooking**

Data file: AgincourtHHpanel\_public\_v1

### **Overview**

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 5 Format: Numeric

### **Questions and instructions**

#### CATEGORIES

Value	Category	Cases	
-1	DK	893	0.3%
1	Electricity	39458	12.1%
2	Gas bottle	1234	0.4%
3	Paraffin	2207	0.7%
4	Wood	65315	20%
5	Other	156	0%
Sysmiss		216984	

## STOVE: Is there a functioning stove in the household?

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	548	0.2%
1	No	33571	10.3%
2	Yes	75144	23%
Sysmiss		216984	

## FRIDGE: Is there a functioning fridge in the household?

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
-1	DK	570	0.2%
1	No	32334	9.9%
2	Yes	76359	23.4%
Sysmiss		216984	

**TV: Is there a functioning tv in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	575	0.2%
1	No	31392	9.6%
2	Yes	77296	23.7%
Sysmiss		216984	

**VIDEO: Is there a functioning video in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	629	0.2%
1	No	61161	18.7%
2	Yes	47473	14.6%
Sysmiss		216984	

**SATDISH: Is there a functioning satdish in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	662	0.2%
1	No	99697	30.6%
2	Yes	8904	2.7%
Sysmiss		216984	

### **RADIO: Is there a functioning radio in the household?**

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	645	0.2%
1	No	78122	23.9%
2	Yes	30496	9.3%
Sysmiss		216984	

### **FIXPHONE: Is there a functioning fixphone in the household?**

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	621	0.2%
1	No	106837	32.7%
2	Yes	1805	0.6%
Sysmiss		216984	

**CELLPHONE: Is there a functioning cellphone in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109262    Invalid: 216985  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	567	0.2%
1	No	19705	6%
2	Yes	88990	27.3%
Sysmiss		216985	

**CAR: Is there a functioning car in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	562	0.2%
1	No	90019	27.6%
2	Yes	18682	5.7%
Sysmiss		216984	

**MBIKE: Is there a functioning mbike in the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 2    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	577	0.2%
1	No	108098	33.1%
2	Yes	588	0.2%
Sysmiss		216984	

### BICYCLE: Is there a functioning bicycle in the household?

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109261 Invalid: 216986  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	576	0.2%
1	No	99244	30.4%
2	Yes	9441	2.9%
Sysmiss		216986	

### CART: Is there a functioning cart in the household?

Data file: AgincourtHHpanel\_public\_v1

#### Overview

Valid: 109263 Invalid: 216984  
 Type: Discrete Decimal: 0 Width: 2 Range: -1 - 2 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
-1	DK	607	0.2%
1	No	106696	32.7%
2	Yes	1960	0.6%
Sysmiss		216984	

**CATTLE: How many cattle are owned by the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	536	0.2%
1	None	95295	29.2%
2	1-3	4208	1.3%
3	4-10	5981	1.8%
4	more than 10	2612	0.8%
5	owned, count unknown	631	0.2%
Sysmiss		216984	

**GOATS: How many goats are owned by the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	525	0.2%
1	None	98834	30.3%
2	1-3	4745	1.5%
3	4-10	4181	1.3%
4	more than 10	779	0.2%
5	owned, count unknown	199	0.1%
Sysmiss		216984	



**POULTRY: How many chickens are owned by the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	541	0.2%
1	None	61387	18.8%
2	1-10	25551	7.8%
3	11-40	15392	4.7%
4	more than 40	1046	0.3%
5	owned, count unknown	5346	1.6%
Sysmiss		216984	

**PIGS: How many pigs are owned by the household?****Data file:** AgincourtHHpanel\_public\_v1**Overview**

Valid: 109263    Invalid: 216984  
 Type: Discrete    Decimal: 0    Width: 2    Range: -1 - 5    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
-1	DK	608	0.2%
1	None	106194	32.6%
2	1-3	1773	0.5%
3	4-10	530	0.2%
4	more than 10	115	0%
5	owned, count unknown	43	0%
Sysmiss		216984	

**DN\_AV: Brightness per square km (average DN per pixel)****Data file:** AgincourtHHpanel\_public\_v1

## Overview

Valid: 263680   Invalid: 62567   Minimum: 0   Maximum: 15   Mean: 7.406   Standard deviation: 3.256  
 Type: Continuous   Decimal: 0   Width: 2   Range: 0 - 15   Format: Numeric

## GEN: Number of generations in household

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 326247   Invalid: 0  
 Type: Discrete   Decimal: 0   Width: 1   Range: 1 - 5   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1		61790	18.9%
2		135007	41.4%
3		114604	35.1%
4		14593	4.5%
5		253	0.1%

## HHTYPE: Household type - based on full membership

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 248116   Invalid: 78131  
 Type: Discrete   Decimal: 0   Width: 2   Range: 1 - 12   Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	single person	31983	9.8%
2	couple	7854	2.4%
3	nuclear	55023	16.9%
4	single parent	28538	8.7%
5	3 generation linear	46939	14.4%
6	3 generation skip	3788	1.2%
7	Multi generation linear	7690	2.4%
8	Siblings only	2493	0.8%
9	nuclear with stepkids	2465	0.8%

10	3 generation with stepkids	579	0.2%
11	Complex, related	59387	18.2%
12	Complex, plus unrelated	1377	0.4%
Sysmiss		78131	

## WEIGHT: weight for asset schedule

Data file: AgincourtHHpanel\_public\_v1

### Overview

Valid: 109263    Invalid: 216984    Minimum: 1    Maximum: 52.832    Mean: 1.139    Standard deviation: 0.78  
 Type: Continuous    Decimal: 0    Width: 16    Range: 1 - 52.8320503234863    Format: Numeric

## Download related resources

### Other materials

#### Agincourt HDSS Energy Panel Dataset User Guide

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Title	Agincourt HDSS Energy Panel Dataset User Guide
Author(s)	Wittenberg, M., Collinson, M.A., Dinkelman, T., Kabudula, C.W., Machemedze, T., Twine, W., Kahn, K. and Tollman, S.
Date	2023-08-17
Country	South Africa
Language	English
Contributor(s)	This is the user guide for the dataset
Filename	ahep-1992-2015-user-guide.pdf

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