

# South Africa - Network for Analysing Longitudinal Population-based HIV/AIDS data on Africa (ALPHA Network)

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## Identification

### SURVEY ID NUMBER

AHRI.AN01-03.Dataset.6.1

### TITLE

Network for Analysing Longitudinal Population-based HIV/AIDS data on Africa (ALPHA Network)

### COUNTRY

Name	Country code
South Africa	ZA

### ABSTRACT

The ALPHA Network is a collaboration between 10 longitudinal studies in sub-Saharan Africa. These studies collect data on HIV infection alongside demographic, behavioural, socio-economic and clinical data from residents of the study areas. The Network harmonises these data and conducts comparable and pooled analyses on HIV-related research questions. AHRI contributes data from ACDIS and PIP to the Network and this is referred to within the Network as uMkhanyakude. This dataset contains the sex and date of birth for the population resident in the study area and dates of migrations and deaths. It is used to construct the population denominator for all analyses.

### KIND OF DATA

Surveillance data

### UNIT OF ANALYSIS

Each observation describes an individual's period of residence in a household

## Scope

### TOPICS

Topic	Vocabulary	URI
Demography Epidemiology HIV Mortality Incidence	Africa Health Research Institute	www.ahri.org

### KEYWORDS

Keyword	Vocabulary	URI
ALPHA; ALPHA Network; HIV incidence; HIV mortality; ANDLA Network; residency	Africa Health Research Insititute	www.ahri.org

## Coverage

### GEOGRAPHIC COVERAGE

Africa Health Research Institute Population Intervention Study Area (PIPSA)

### UNIVERSE

Household members of the Africa Health Research Institute Population Intervention Programme Study Area

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name	Affiliation
Kobus Herbst	Africa Health Research Institute

Willem Hanekom	Africa Health Research Institute
Mark Siedner	Africa Health Research Institute
Guy Harling	Africa Health Research Institute

## PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

## FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Wellcome Trust	WT	Core funding
SAPRIN	SAPRIN	

## OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Thobeka Mngomezulu	AHRI	Data collection
Phumzile Dlamini	AHRI	Data collection
Nomathamsanqa Majozi	AHRI	Public Engagement
Siyabonga Nxumalo	AHRI	Data extraction
Sweetness Dube	AHRI	Data Documentation
Dickman Gareta	AHRI	Data Management oversight
Eugene Ehlers	AHRI	Software Development
Theresa Smit	AHRI	Laboratory oversight
Gregory Ordning-Jesperse	AHRI	Laboratory data management

## Sampling

## SAMPLING PROCEDURE

Household demographic surveillance

## Data collection

## DATES OF DATA COLLECTION

Start	End
2000-01-01	2024-06-04

## Access policy

## 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.

#### CITATION REQUIREMENTS

Herbst, K., Hanekom, W., Siedner, M., & Harling, G. (2024). Network for Analysing Longitudinal Population-based HIV/AIDS data on Africa (ALPHA Network) [Data set]. Africa Health Research Institute.

DOI:<https://doi.org/10.23664/AHRI.AN01-03.DATASET.6.1>

## Metadata production

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#### DDI DOCUMENT ID

DDI.AHRI.AN01-03.Dataset.6.1

#### PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>AN01-03 Dataset 6.1</b>	603551	12



**Data file: AN01-03 Dataset 6.1**

Cases: 603551

Variables: 12

**Variables**

ID	Name	Label	Question
V35	study_name	Name of study field site	
V36	idno	Person ID number	
V37	hhold_id	Household ID number (AC = BSIntId)	
V38	hhold_id_extra	Household ID number (AC=HHIntId)	
V39	sex	Male or female	
V40	dob	Date of birth- best estimate	
V41	residence	Type of area within DSS	
V42	event	A code identifying the event that has occurred	
V43	event_date	Date on which the event occurred	
V44	type_of_date	Type of entry	
V45	obs_date	Observation date	
V46	obs_round	Observation round	

Total: 12





**STUDY\_NAME: Name of study field site****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0  
 Type: Discrete    Width: 5    Range: -    Format: character

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**IDNO: Person ID number****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0    Minimum: 11    Maximum: 275968    Mean: 113488.146    Standard deviation: 72318.751  
 Type: Continuous    Decimal: 0    Width: 12    Range: 11 - 275968    Format: Numeric

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**HHOLD\_ID: Household ID number (AC = BSIntId)****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0    Minimum: 11    Maximum: 355646    Mean: 15662.284    Standard deviation: 37510.845  
 Type: Continuous    Decimal: 0    Width: 12    Range: 11 - 355646    Format: Numeric

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**HHOLD\_ID\_EXTRA: Household ID number (AC=HHIntId)****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603523    Invalid: 28    Minimum: 11    Maximum: 47423    Mean: 14805.605    Standard deviation: 12943.274  
 Type: Continuous    Decimal: 0    Width: 12    Range: 11 - 47423    Format: Numeric

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**SEX: Male or female****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 2    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Male	276054	45.7%

2	Female	327497	54.3%
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**DOB: Date of birth- best estimate****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Minimum: 1793-01-01    Maximum: 2024-05-09  
 Type: Discrete    Width: 11    Range: -    Format: character

**RESIDENCE: Type of area within DSS****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 12    Range: 0 - 9    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
0	Urban	48795	8.1%
1	Peri-urban	176336	29.2%
2	Rural	377428	62.5%
9		992	0.2%

**EVENT: A code identifying the event that has occurred****Data file: AN01-03 Dataset 6.1****Overview**

Valid: 603551    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 99    Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	baseline recruitment	113318	18.8%
2	birth	39556	6.6%
3	external in-migration	136910	22.7%
4	Internal in-migration	62758	10.4%

5	Found after lost to follow up	0	0%
6	became eligible for study	0	0%
11	present in study site	0	0%
12	death	18485	3.1%
13	out-migration	164659	27.3%
14	Internal out-migration	54725	9.1%
15	lost to follow-up	7535	1.2%
16	became ineligible for study	2369	0.4%
99		3236	0.5%

## EVENT\_DATE: Date on which the event occurred

Data file: AN01-03 Dataset 6.1

### Overview

Valid: 603551    Minimum: 1797-01-01    Maximum: 2024-06-04  
 Type: Discrete    Width: 11    Range: -    Format: character

## TYPE\_OF\_DATE: Type of entry

Data file: AN01-03 Dataset 6.1

### Overview

Valid: 603551    Invalid: 0  
 Type: Discrete    Decimal: 0    Width: 12    Range: 1 - 3    Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Reported by HH informant at interview	507284	84%
2	Reported by key informant	9735	1.6%
3	Imputed	86532	14.3%

## OBS\_DATE: Observation date

Data file: AN01-03 Dataset 6.1

### Overview

Valid: 603551    Minimum: 2000-01-04    Maximum: 2024-06-04  
 Type: Discrete    Width: 11    Range: -    Format: character

## **OBS\_ROUND: Observation round**

**Data file: AN01-03 Dataset 6.1**

### **Overview**

Valid: 603551   Invalid: 0   Minimum: 1   Maximum: 47   Mean: 24.553   Standard deviation: 15.75  
Type: Continuous   Decimal: 0   Width: 12   Range: 1 - 47   Format: Numeric

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## Download related resources

### Technical documents

#### DDI:AHRI.AN01-03.Dataset.6.1

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Title	DDI:AHRI.AN01-03.Dataset.6.1
Author(s)	Sweetness H Dube
Date	31/07/2024
Country	South Africa
Language	English
Publisher(s)	Sweetness H Dube
Filename	AHRI.AN01-03.Dataset.6.1.pdf

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