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

Nompumelelo Mkwanazi

Report generated on: August 14, 2026

Visit our data catalog at: https://data.ahri.org/index.php

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

Version

VERSION DESCRIPTION
v1.1.0

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 Ording-Jesperse	AHRI	Laboratory data management

Sampling

SAMPLING PROCEDURE

Household demographic surveillance

Data collection

DATES OF DATA COLLECTION

Start	End
2000-01-01	2024-12-31

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 revolved 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. 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 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

DDI DOCUMENT ID

AHRI.AN01-03.Dataset.6.1

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
AHRI.AN01-03.Dataset.6.1	592430	11

Data file: AHRI.AN01-03.Dataset.6.1

Cases:	592430
Variables:	11

Variables

ID	Name	Label	Question
V47	idno	Person ID number	
V48	study_name	Name of your study field site	
V49	sex	Male or female	
V50	dob	Date of birth- best estimate	
V51	residence	Type of area within DSS	
V52	entry_date	Date of start of residence episode	
V53	entry_type	Type of entry	
V54	exit_date	Date of end of residence episode	
V55	exit_type	Type of exit	
V56	hhold_id	Household ID number	
V57	hhold_id_extra	Household ID number	

Total: 11

IDNO: Person ID number

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Width: 36 Range: - Format: character

STUDY_NAME: Name of your study field site

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Width: 5 Range: - Format: character

SEX: Male or female

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Decimal: 0 Width: 9 Range: 0 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0		9	0%
1	Male	277273	46.8%
2	Female	315148	53.2%

DOB: Date of birth- best estimate

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592429 Minimum: 1793-01-01 Maximum: 2024-12-31
Type: Discrete Width: 11 Range: - Format: character

RESIDENCE: Type of area within DSS

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 0 Invalid: 592430
Type: Discrete Decimal: 0 Width: 9 Range: - Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

ENTRY_DATE: Date of start of residence episode

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Minimum: 2000-01-01 Maximum: 2024-12-31
Type: Discrete Width: 11 Range: - Format: character

ENTRY_TYPE: Type of entry

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Decimal: 0 Width: 25 Range: 1 - 4 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Baseline recruitment	138787	23.4%
2	Birth	49456	8.3%
3	In-migration	210600	35.5%
4	Became eligible for study	193587	32.7%

EXIT_DATE: Date of end of residence episode

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Minimum: 2000-01-01 Maximum: 2024-12-31
Type: Discrete Width: 11 Range: - Format: character

EXIT_TYPE: Type of exit

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Decimal: 0 Width: 27 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Present in study site	159204	26.9%
2	Death	27704	4.7%
3	Out-migration	276736	46.7%
4	Lost to follow-up	12861	2.2%
5	Became ineligible for study	115925	19.6%

HHOLD_ID: Household ID number

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592430 Invalid: 0
Type: Discrete Width: 36 Range: - Format: character

HHOLD_ID_EXTRA: Household ID number

Data file: AHRI.AN01-03.Dataset.6.1

Overview

Valid: 592059 Invalid: 0
Type: Discrete Width: 36 Range: - Format: character

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