

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

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Identification

SURVEY ID NUMBER

AHRI.AN03-02.Dataset.7.2

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 Institute	AHRI

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 Majosi	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	2024-05-09

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.AN03-02.DATASET.7.2>

Metadata production

DDI DOCUMENT ID

DDI.AHRI.AN03-02.Dataset.7.2

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
AN03-02 Dataset 7.2	69125	9

Data file: AN03-02 Dataset 7.2

Cases: 69125

Variables: 9

Variables

ID	Name	Label	Question
V19	idno	Person ID number	
V20	study_name	Name of study field site	
V21	m_delivery_date	Date of reported birth	
V22	m_delivery_date_imp	Whether date of birth was imputed	
V23	m_child_id	Child's unique ID if collect	
V24	m_delivery_loc	Place of delivery	
V25	m_parity	Parity of birth	
V26	m_twin	Multiple birth	
V27	m_stillborn	Was it a still birth?	

Total: 9

IDNO: Person ID number**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 69125 Invalid: 0 Minimum: 14 Maximum: 219797 Mean: 104696.359 Standard deviation: 66159.712

Type: Continuous Decimal: 0 Width: 12 Range: 14 - 219797 Format: Numeric

STUDY_NAME: Name of study field site**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 69125 Invalid: 0

Type: Discrete Width: 12 Range: - Format: character

M_DELIVERY_DATE: Date of reported birth**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 69125 Minimum: 2000-01-01 Maximum: 2024-05-09

Type: Discrete Width: 11 Range: - Format: character

M_DELIVERY_DATE_IMP: Whether date of birth was imputed**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 69125 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	69125	100%
1	yes	0	0%

M_CHILD_ID: Child's unique ID if collect**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 64871 Invalid: 4254 Minimum: 2540 Maximum: 275966 Mean: 182160.801 Standard deviation: 55014.846

Type: Continuous Decimal: 0 Width: 12 Range: 2540 - 275966 Format: Numeric

M_DELIVERY_LOC: Place of delivery

Data file: AN03-02 Dataset 7.2

Overview

Valid: 38653 Invalid: 30472

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	Home	2315	6%
1	Health Centre/Clinic	11018	28.5%
2	Hospital	25212	65.2%
3	Other	108	0.3%
Sysmiss		30472	

M_PARITY: Parity of birth

Data file: AN03-02 Dataset 7.2

Overview

Valid: 69125 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 16 Format: Numeric

M_TWIN: Multiple birth

Data file: AN03-02 Dataset 7.2

Overview

Valid: 69125 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	67602	97.8%
1	yes	1523	2.2%

M_STILLBORN: Was it a still birth?**Data file: AN03-02 Dataset 7.2****Overview**

Valid: 69125 Invalid: 0
Type: Discrete Decimal: 0 Width: 12 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	68749	99.5%
1	yes	376	0.5%

Download related resources

Technical documents

DDI:AHRI.AN03-02.Dataset.7.2

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Author(s)	Sweetness H Dube
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