

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

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

## Identification

### SURVEY ID NUMBER

AHRI.AN03-03.Dataset.7.4

### 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	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 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
2002-11-25	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.AN03-03.DATASET.7.4>

## Metadata production

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DDI DOCUMENT ID

DDI.AHRI.AN03-03.Dataset.7.4

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
<b>AN03-03 Dataset 7.4</b>	7633032	20



**Data file: AN03-03 Dataset 7.4**

Cases: 7633032

Variables: 20

**Variables**

ID	Name	Label	Question
V41	idno	Person ID number	
V42	study_name	Name of study field site	
V43	date_int	Date of interview	
V44	survey_name	Surveillance round number	
V45	proxy_resp	Proxy respondent or individual interviewed	
V46	pregnant	Currently pregnant	
V47	marital_status	Marital status	
V48	education_level	Site specific education level	
V49	education_level_standard	common education variable	
V50	current_school	Currently attending school	
V51	mother_alive	Mother is alive	
V52	mother_location	Mother location	
V53	father_alive	Father is alive	
V54	father_location	Father location	
V55	age_first_birth	Age at which first birth occurred	
V56	age_first_marriage	Age at first marriage	
V57	ever_sex	Ever had sex	
V58	age_first_sex	Age at sexual debut	
V59	injections_last_year	How many injections in last year	
V60	blood_trans	Ever had a blood transfusion	

Total: 20



**IDNO: Person ID number****Data file: AN03-03 Dataset 7.4****Overview**

Valid: 7633032 Invalid: 0 Minimum: 11 Maximum: 275969 Mean: 96317.241 Standard deviation: 67576.412

Type: Continuous Decimal: 0 Width: 12 Range: 11 - 275969 Format: Numeric

**STUDY\_NAME: Name of study field site****Data file: AN03-03 Dataset 7.4****Overview**

Valid: 7633032 Invalid: 0

Type: Discrete Width: 5 Range: - Format: character

**DATE\_INT: Date of interview****Data file: AN03-03 Dataset 7.4****Overview**

Valid: 7633032 Minimum: 1797-01-01 Maximum: 2024-06-04

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

**SURVEY\_NAME: Surveillance round number****Data file: AN03-03 Dataset 7.4****Overview**

Valid: 7633032 Invalid: 0 Minimum: 0 Maximum: 2016 Mean: 528.156 Standard deviation: 859.599

Type: Continuous Decimal: 0 Width: 12 Range: 0 - 2016 Format: Numeric

**PROXY\_RESP: Proxy respondent or individual interviewed****Data file: AN03-03 Dataset 7.4****Overview**

Valid: 7633032 Invalid: 0

Type: Discrete Decimal: 0 Width: 12 Range: 1 - 9 Format: Numeric

**Questions and instructions**

## CATEGORIES

Value	Category	Cases	
1	Individual interviewed	648553	8.5%
2	Proxy respondent	3068160	40.2%

9	Unknown	3916319	51.3%
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## PREGNANT: Currently pregnant

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
Type: Discrete Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	No	2873637	37.6%
1	Yes	25300	0.3%
88	Don't know	120532	1.6%
99	Question not asked	4613563	60.4%

## MARITAL\_STATUS: Marital status

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
Type: Discrete Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Never married/cohabited	3971132	52%
1	Currently married mono	550581	7.2%
2	Currently married Poly	59768	0.8%
3	Currently married	51845	0.7%
5	Widowed	249518	3.3%
6	Separated/divorced	15609	0.2%
9	Currently not married (not further specified)	12284	0.2%
88	Don't know	21189	0.3%
93	Refused	299	0%
94	Query	0	0%
95	Default	0	0%

96	Other	196	0%
99	Missing	2700611	35.4%

## EDUCATION\_LEVEL: Site specific education level

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 2189763 Invalid: 5443269  
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 255 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	Never went to school	138819	6.3%
1	Less than one year	29178	1.3%
2	Grade 1 or Sub A/Class1	61801	2.8%
3	Grade 2 or Sub B/Class2	69885	3.2%
4	Grade 3 / Standard 1	76985	3.5%
5	Grade 4 / Standard 2	88462	4%
6	Grade 5 / Standard 3	76744	3.5%
7	Grade 6 / Standard 4	84722	3.9%
8	Grade 7 / Standard 5	115787	5.3%
9	Grade 8 / Standard 6	113884	5.2%
10	Grade 9 / Standard 7	130053	5.9%
11	Grade 10 / Standard 8	191214	8.7%
12	Grade 11 / Standard 9	231561	10.6%
13	Grade 12 / Matric	509421	23.3%
14	Certificate (NTC)	50833	2.3%
15	Diploma	20062	0.9%
16	Bachelor's Degree (University)	33822	1.5%
17	Bachelor's Degree with Diploma	2448	0.1%
18	Honours degree	1069	0%
20	Hons/Masters Degree or higher	1349	0.1%
93	_refused	2517	0.1%
94	_query	0	0%
95	_default	725	0%
96	_other	27	0%
97	_non applicable	0	0%

98	_don't know	96295	4.4%
99	_missing	62100	2.8%
255	_deprecated	0	0%
Sysmiss		5443269	

## EDUCATION\_LEVEL\_STANDARD: common education variable

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 2189763 Invalid: 5443269  
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	None	167997	7.7%
1	Incomplete Primary	458599	20.9%
2	Complete Primary	359724	16.4%
3	Incomplete Secondary	422775	19.3%
4	Complete Secondary	509421	23.3%
5	Higher education	109583	5%
88	Don't know	96295	4.4%
99	Question not asked	65369	3%
Sysmiss		5443269	

## CURRENT\_SCHOOL: Currently attending school

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 2189763 Invalid: 5443269  
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
0	no	1186658	54.2%
1	yes	640668	29.3%
88	Don't know	12973	0.6%

99	Not asked	349464	16%
Sysmiss		5443269	

## MOTHER\_ALIVE: Mother is alive

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Alive	5015844	65.7%
2	Dead	1621712	21.2%
88	Don't know	101356	1.3%
99	Not asked	894120	11.7%

## MOTHER\_LOCATION: Mother location

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 99 - 99 Format: Numeric

## FATHER\_ALIVE: Father is alive

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Alive	3551441	46.5%
2	Dead	2584541	33.9%
88	Don't know	279006	3.7%

99	Not asked	1218044	16%
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## FATHER\_LOCATION: Father location

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 99 Format: Numeric

### Questions and instructions

#### CATEGORIES

Value	Category	Cases	
1	Alive	0	0%
2	Dead	0	0%
88	Don't know	0	0%
99	Not asked	7633032	100%

## AGE\_FIRST\_BIRTH: Age at which first birth occurred

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 2478959 Invalid: 5154073 Minimum: -5 Maximum: 223 Mean: 25.34 Standard deviation: 6.807  
 Type: Continuous Decimal: 0 Width: 12 Range: -5 - 223 Format: Numeric

## AGE\_FIRST\_MARRIAGE: Age at first marriage

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 6833374 Invalid: 799658 Minimum: 10 Maximum: 99999999 Mean: 1046.302 Standard deviation: 76508.234  
 Type: Continuous Decimal: 0 Width: 12 Range: 10 - 99999999 Format: Numeric

## EVER\_SEX: Ever had sex

Data file: AN03-03 Dataset 7.4

### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 0 - 99 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
0	no	64424	0.8%
1	yes	212136	2.8%
88	Don't know	58314	0.8%
99	Question not asked	7298158	95.6%

### AGE\_FIRST\_SEX: Age at sexual debut

Data file: AN03-03 Dataset 7.4

#### Overview

Valid: 633514 Invalid: 6999518 Minimum: 0 Maximum: 999 Mean: 778.721 Standard deviation: 407.65  
 Type: Continuous Decimal: 0 Width: 12 Range: 0 - 999 Format: Numeric

### INJECTIONS\_LAST\_YEAR: How many injections in last year

Data file: AN03-03 Dataset 7.4

#### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 99 Format: Numeric

## Questions and instructions

### CATEGORIES

Value	Category	Cases	
1	Alive	0	0%
2	Dead	0	0%
88	Don't know	0	0%
99	Not asked	7633032	100%

### BLOOD\_TRANS: Ever had a blood transfusion

Data file: AN03-03 Dataset 7.4

#### Overview

Valid: 7633032 Invalid: 0  
 Type: Discrete Decimal: 0 Width: 12 Range: 1 - 99 Format: Numeric

**Questions and instructions**

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## CATEGORIES

<b>Value</b>	<b>Category</b>	<b>Cases</b>	
1	Alive	0	0%
2	Dead	0	0%
88	Don't know	0	0%
99	Not asked	7633032	100%

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## Download related resources

### Technical documents

#### DDI:AHRI.AN03-03.Dataset.7.4

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Title	DDI:AHRI.AN03-03.Dataset.7.4
Author(s)	Sweetness H Dube
Date	31/07/2024
Country	South Africa
Language	English
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