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

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 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 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
2002-11-25	2024-12-17

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.AN03-03.DATASET.7.4

Metadata production

DDI DOCUMENT ID

AHRI.AN03-03.Dataset.7.4

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
AHRI.AN03-03.Dataset.7.4	6317262	20

Data file: AHRI.AN03-03.Dataset.7.4

Cases:	6317262
Variables:	20

Variables

ID	Name	Label	Question
V61	idno	Person ID number	
V62	study_name	Name of your study field site	
V63	date_int	Date of interview	
V64	survey_name	Which survey interview was part of	
V65	pregnant	Currently pregnant	
V66	proxy_resp	Proxy respondent or individual interview	
V67	marital_status	Marital status	
V68	education_level	Highest education level completed	
V69	education_level_standard	Highest education level completed	
V70	current_school	Currently attending school	
V71	mother_Alive	Mother alive	
V72	mother_location	Mother location	
V73	father_alive	Father alive	
V74	father_location	Father location	
V75	age_first_birth	Age at first birth	
V76	age_first_marriage	Age at first marriage	
V77	ever_sex	Ever had sex	
V78	age_first_sex	Age at sexual debut	
V79	injections_last_year	How many injections in last year	
V80	blood_trans	Ever had a blood transfusion	

Total: 20

IDNO: Person ID number

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Width: 36 Range: - Format: character

STUDY_NAME: Name of your study field site

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Width: 5 Range: - Format: character

DATE_INT: Date of interview

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317256 Minimum: 1797-01-01 Maximum: 2024-12-17
Type: Discrete Width: 11 Range: - Format: character

SURVEY_NAME: Which survey interview was part of

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0 Minimum: 1 Maximum: 182 Mean: 21.106 Standard deviation: 17.137
Type: Continuous Decimal: 0 Width: 9 Range: 1 - 182 Format: Numeric

PREGNANT: Currently pregnant

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	1812715	28.7%
1	yes	11779	0.2%
88	Donâ€™t know	19859	0.3%

99	Question not asked	4472909	70.8%

PROXY_RESP: Proxy respondent or individual interview

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 22 Range: 1 - 2 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Individual interviewed	0	0%
2	Proxy respondent	6317262	100%

MARITAL_STATUS: Marital status

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 26 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	Never married/cohabited	3119839	49.4%
1	Currently married mono	0	0%
2	Currently married Poly	51777	0.8%
3	Currently married	483217	7.6%
4	Currently cohabiting	0	0%
5	Widowed	234833	3.7%
6	Separated/divorced	14383	0.2%
7	Married but living apart	0	0%
8	Widowed/divorced/separated	0	0%
88	Donâ€™t know	0	0%
99	Question not asked	2413213	38.2%

EDUCATION_LEVEL: Highest education level completed

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	Grade 0	3200	0.1%
1	Grade 1	61120	1%
2	Grade 2	68225	1.1%
3	Grade 3	73658	1.2%
4	Grade 4	82594	1.3%
5	Grade 5	70657	1.1%
6	Grade 6	75494	1.2%
7	Grade 7	97887	1.5%
8	Grade 8	94613	1.5%
9	Grade 9	104754	1.7%
10	Grade 10	149190	2.4%
11	Grade 11	174997	2.8%
12	Grade 12	397329	6.3%
13	Special School	17	0%
21	Higher Certificate	40985	0.6%
22	National Diploma	19678	0.3%
23	Degree	32092	0.5%
24	Honours	1113	0%
25	Masters	1770	0%
26	Doctors	134	0%
31	ABET 1	1334	0%
32	ABET 2	171	0%
33	ABET 3	109	0%
34	ABET 4	324	0%
41	FET 1	3025	0%
42	FET 2	3662	0.1%
43	FET 3	7824	0.1%
45	NQF/N/NTC	3185	0.1%
50	LT 1 year	29019	0.5%
51	Creche	255	0%

88	Donâ€™t know	4610839	73%
90	No education	102916	1.6%
99	Question not asked	5092	0.1%

EDUCATION_LEVEL_STANDARD: Highest education level completed

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 20 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	None	132190	2.1%
1	Incomplete Primary	434948	6.9%
2	Complete Primary	97887	1.5%
3	Incomplete Secondary	523554	8.3%
4	Complete Secondary	397329	6.3%
5	Higher education	115406	1.8%
88	Donâ€™t know	4610856	73%
99	Question not asked	5092	0.1%

CURRENT_SCHOOL: Currently attending school

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	934857	14.8%
1	yes	642809	10.2%
88	Donâ€™t know	12071	0.2%
99	Question not asked	4727525	74.8%

MOTHER_ALIVE: Mother alive

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Alive	42148	0.7%
2	Dead	852421	13.5%
88	Donâ€™t know	5422693	85.8%
99	Question not asked	0	0%

MOTHER_LOCATION: Mother location

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 26 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	co-resident	0	0%
2	elsewhere In DSS area	16787	0.3%
3	elsewhere outside DSS area	25361	0.4%
88	Donâ€™t know	5422693	85.8%
99	Question not asked	852421	13.5%

FATHER_ALIVE: Father alive

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	Alive	108446	1.7%
2	Dead	1571747	24.9%
88	Donâ€™t know	4637069	73.4%
99	Question not asked	0	0%

FATHER_LOCATION: Father location

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 26 Range: 1 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
1	co-resident	0	0%
2	elsewhere In DSS area	42580	0.7%
3	elsewhere outside DSS area	65866	1%
88	Donâ€™t know	4637069	73.4%
99	Question not asked	1571747	24.9%

AGE_FIRST_BIRTH: Age at first birth

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 9 Range: 999 - 999 Format: Numeric

AGE_FIRST_MARRIAGE: Age at first marriage

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 386092 Invalid: 5931170 Minimum: 10 Maximum: 999 Mean: 956.362 Standard deviation: 198.47
Type: Continuous Decimal: 0 Width: 9 Range: 10 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

EVER_SEX: Ever had sex

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 386092 Invalid: 5931170
Type: Discrete Decimal: 0 Width: 18 Range: 0 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
0	no	38153	9.9%
1	yes	102196	26.5%
88	Donâ€™t know	0	0%
99	Question not asked	245743	63.6%
Sysmiss		5931170	

AGE_FIRST_SEX: Age at sexual debut

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 386092 Invalid: 5931170 Minimum: 0 Maximum: 999 Mean: 818.564 Standard deviation: 378.556
Type: Continuous Decimal: 0 Width: 9 Range: 0 - 999 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
Sysmiss	

INJECTIONS_LAST_YEAR: How many injections in last year

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 99 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
99	Question not asked	6317262	100%

BLOOD_TRANS: Ever had a blood transfusion

Data file: AHRI.AN03-03.Dataset.7.4

Overview

Valid: 6317262 Invalid: 0
Type: Discrete Decimal: 0 Width: 18 Range: 99 - 99 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category	Cases	
99	Question not asked	6317262	100%

Download related resources

Other materials

DDI:AHRI.AN03-03.Dataset.7.4

Title	DDI:AHRI.AN03-03.Dataset.7.4
Filename	AHRI.AN03-03.Dataset.7.4.pdf