

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 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 |
|------------|------------|
| 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

DDI DOCUMENT ID

DDI.AHRI.AN03-03.Dataset.7.4

PRODUCERS

| Name | Abbreviation |
|----------------------------------|--------------|
| Africa Health Research Institute | AHRI |

Data Dictionary

| Data file | Cases | Variables |
|----------------------------|--------------|------------------|
| AN03-03 Dataset 7.4 | 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% |
|---|---------|---------|-------|

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% |
|----|-----------|---------|-----|

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

CATEGORIES

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

Download related resources

Technical documents

DDI:AHRI.AN03-03.Dataset.7.4

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