

South Africa - ALPHA HIV Incidence and Mortality Data 2000-2016, uMkhanyakude

Africa Health Research Institute, Network for Analysing Longitudinal Population HIV/ AIDS data on Africa

Report generated on: May 29, 2026

Visit our data catalog at: <https://datacatalog.ihsn.org/>

Identification

SURVEY ID NUMBER

ZAF_2000-2016_ALPHA-HIV-IM_v01_M

TITLE

ALPHA HIV Incidence and Mortality Data 2000-2016, uMkhanyakude

ABBREVIATION OR ACRONYM

ALPHA-HIV-IM 2000-2016

COUNTRY

Name	Country code
South Africa	ZAF

STUDY TYPE

Other Household Survey [hh/oth]

SERIES INFORMATION

The ALPHA (Analysing Longitudinal Population-based HIV/AIDS Data in Africa) Network is a collaboration among 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. The ALPHA HIV Incidence and Mortality data, uMkhanyakude is part of the international data harmonisation and analysis programme of the ALPHA network.

ABSTRACT

This dataset is created from harmonizing longitudinal population-based demographic surveillance and repeated serological survey data collected by the uMkhanyakude study in South Africa. The data harmonization is coordinated by the ALPHA Network which curates individual-level data on demographic surveillance, verbal autopsy interviews, serological and sexual behavior surveys, and individually-linked data from HDSS and medical facilities.

The data from the Umkhanyakude site in South Africa includes two data files:

- HIV incidence data

This file includes data on resident study participants aged 15-49 who have had one negative HIV test and at least one subsequent HIV test done within the study for research purposes. Data may be split into multiple observations for each person to describe time spent in different residencies, different age groups, and different calendar year periods. All timings are given as age at event, instead of dates. Dates of birth are rounded to the 15th of the month, and all other dates are offset by the same amount and the time elapsed between the rounded dates is used as the age at event. To enable multiple imputation of seroconversion dates the times (ages) of last negative test and first positive test have been provided.

- Mortality data

This data file was created as described at <https://gatesopenresearch.org/articles/1-4>

KIND OF DATA

Event/transaction data [evn]

UNIT OF ANALYSIS

Individuals

Version

VERSION DESCRIPTION

Version 01: Edited, anonymised data available with restrictions.

Scope

NOTES

The dataset includes individual-level HIV data from demographic surveillance, verbal autopsy interviews, serological and sexual behaviour surveys, and individually-linked data from HDSS and medical facilities.

Coverage

GEOGRAPHIC COVERAGE

The data covers the uMkhanyakude study area in KwaZulu-Natal, South Africa

GEOGRAPHIC UNIT

The data is at the level of village.

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Africa Health Research Institute	
Network for Analysing Longitudinal Population HIV/ AIDS data on Africa	London School of Hygiene and Tropical Medicine

FUNDING AGENCY/SPONSOR

Name	Role
Wellcome Trust	Funding agency
Bill and Melinda Gates Foundation	Funding agency

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Dr Kobus Herbst	AHRI	Director of Population Science
Dickman Gareta	AHRI	Data Scientist

Data collection

DATES OF DATA COLLECTION

Start	End	Cycle
2000	2016	Incidence data
2000	2016	Mortality data

DATA COLLECTION MODE

Face-to-face

DATA COLLECTION NOTES

ALPHA data are harmonised datasets from ALPHA member sites and this dataset is from the Africa Health Research Institute.

DATA COLLECTORS

Name
Africa Health Research Institute

Access policy

ACCESS CONDITIONS

Access under a Creative Commons CC-BY-NC (Attribution, Non-Commercial use only) License

CITATION REQUIREMENTS

Herbst, K. et al. ALPHA HIV Incidence and Mortality Data, uMkhanyakude 2000-2016 [dataset].Version 1. Africa Health Research Institute [producer and distributor], 2022. <https://data.ahri.org/index.php/catalog/1029>

ACCESS AUTHORITY

Name	URL
Africa Health Research Institute	Link

ARCHIVE WHERE STUDY IS ORIGINALLY STORED

Karonga (MW011)

Metadata production

DDI DOCUMENT ID

DDI_ZAF_2000-2016_ALPHA-HIV-IM_v01_M

PRODUCERS

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		Metadata creator
Network for Analysing Longitudinal Population HIV/ AIDS data on Africa	ALPHA	London School of Hygiene and Tropical Medicine	Metadata creator
DataFirst		University of Cape Town	Metadata creator
Development Data Group	DECDG	World Bank Group	Metadata adapted for World Bank Microdata Library

DATE OF METADATA PRODUCTION

2024-08-23

DDI DOCUMENT VERSION

Identical to a metadata (zaf-alpha-himu-2000-2016-v1) published on DataFirst microdata repository (<https://www.datafirst.uct.ac.za/dataportal/index.php/catalog>). Some of the metadata fields have been edited.

Data Dictionary

Data file	Cases	Variables
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