

South Africa - Influence of setting and diagnostic algorithm on disease severity among people diagnosed with symptomatic and asymptomatic tuberculosis in South Africa: Dataset and code

Nompumelelo Mkwanazi

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Identification

SURVEY ID NUMBER

AHRI.AHCoS.vuk

TITLE

Influence of setting and diagnostic algorithm on disease severity among people diagnosed with symptomatic and asymptomatic tuberculosis in South Africa: Dataset and code

COUNTRY

Name	Country code
South Africa	ZA

ABSTRACT

Data and code to replicate the analyses in the paper "Influence of setting and diagnostic algorithm on disease severity among people diagnosed with symptomatic and asymptomatic tuberculosis in South Africa"

KIND OF DATA

Quantitative data from interview and clinical measurements

UNIT OF ANALYSIS

Individuals

Version

VERSION DESCRIPTION

v1.0.0

Scope

TOPICS

Topic	Vocabulary	URI
MeSH subject headings	Africa Health Research Institute	www.ahri.org

KEYWORDS

Keyword	Vocabulary	URI
Tuberculosis, symptoms, screening	Africa Health Research Institute	www.ahri.org

Coverage

GEOGRAPHIC COVERAGE

AHRI's Population Intervention Programme Study Area (PIPSA) situated in uMkhanyakude district KwaZulu-Natal province which is approximately 200km north of Durban. The area is approximately 845km² in size and since 2017, the area has been expanded in to include the area which was formerly used for a cluster randomised trial on treatment as a prevention(TasP).

For more refer:

1. Dickman Gareta, Kathy Baisley, Thobeka Mngomezulu, Theresa Smit, Thandeka Khoza, Siyabonga Nxumalo, Jaco Dreyer, Sweetness Dube, Nomathamsanqa Majozi, Gregory Ording-Jespersion, Eugene Ehlers, Guy Harling, Maryam Shahmanesh, Mark Siedner, Willem Hanekom, Kobus Herbst, Cohort Profile Update: Africa Centre Demographic Information System (ACDIS) and population-based HIV survey, International Journal of Epidemiology, Volume 50, Issue 1, February 2021, Pages

33-34, <<https://doi.org/10.1093/ije/dyaa264>>

2. Tanser F, Hosegood V, Bärnighausen T, Herbst K, Nyirenda M, Muhwava W, Newell C, Viljoen J, Mutevedzi T, Newell ML. Cohort Profile: Africa Centre Demographic Information System (ACDIS) and population-based HIV survey. *Int J Epidemiol*. 2008 Oct;37(5):956-62. doi: 10.1093/ije/dym211. Epub 2007 Nov 12. PMID: 17998242; PMCID: PMC2557060.

3. Iwuji CC, Orne-Gliemann J, Larmarange J, Balestre E, Thiebaut R, Tanser F, Okesola N, Makowa T, Dreyer J, Herbst K, McGrath N, Bärnighausen T, Boyer S, De Oliveira T, Rekacewicz C, Bazin B, Newell ML, Pillay D, Dabis F; ANRS 12249 TasP Study Group. Universal test and treat and the HIV epidemic in rural South Africa: a phase 4, open-label, community cluster randomised trial. *Lancet HIV*. 2018 Mar;5(3):e116-e125. doi: 10.1016/S2352-3018(17)30205-9. Epub 2017 Nov 30. PMID: 29199100.

UNIVERSE

Participants in the Vukuzazi and AHCoS studies

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Mareca Sithole	AHRI
Nompumelelo Mkwanzazi	AHRI
Sweetness Dube	AHRI
Dickman Gareta	AHRI
Nicky McCreesh	AHRI, LSHTM
Alison D Grant	AHRI, LSHTM
Palwasha Y Khan	AHRI, LSHTM
Indira Govender	AHRI
Emily B Wong	AHRI
Innocentia Buthelezi	AHRI
Willem A. Hanekom	AHRI
Gregory Ording Jespersen	AHRI
Mark J. Siedner	AHRI

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
National Institute of Allergy and Infectious Diseases	NIAID	Funder
Wellcome Trust	WT	Funder
Bill and Melinda Gates Foundation	BMGT	Funder
South African Department of Science and Innovation	DSTI	Funder
South African Medical Research Council	SAMRC	Funder
South African Population Research Infrastructure Network	SAPRIN	Funder

Data Processing

DATA EDITING

This dataset contains only the data necessary to replicate the results in the paper. Data from the AHCoS and Vukuzazi studies were combined into a single dataset, and variables were grouped

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 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. 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

Sithole, M., Mkwanazi, N., Dube, S., Gareta, D., McCreesh, N., Grant, A. D., Khan, P. Y., Govender, I., Wong, E. B., Buthelezi, I., Hanekom, W. A., Jespersen, G. O., & Siedner, M. J. (2026). Influence of setting and diagnostic algorithm on disease severity among people diagnosed with symptomatic and asymptomatic tuberculosis in South Africa: Dataset and code. Africa Health Research Institute.

DOI:<https://doi.org/10.23664/AHRI.AHCOS.VUK>

Metadata production

DDI DOCUMENT ID

AHRI.AHCoS.vuk

PRODUCERS

Name	Abbreviation
Africa Health Research Institute	AHRI

Data Dictionary

Data file	Cases	Variables
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Download related resources

Technical documents

DDI:AHCos Vuk

Title DDI:AHCos Vuk
Author(s) Nompumelelo Mkwazi
Date 2026-05-21
Country South Africa
Language English
Publisher(s) Nompumelelo Mkwazi
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Other materials

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