

# South Africa - AHRI.PANGA2 Vukuzazi Clinical Data.Release 2021-02

**Sweetness H Dube**

Report generated on: February 16, 2021

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

## Overview

### Identification

#### ID NUMBER

AHRI.PANGEA2.Vukuzazi.ClinicalData.202102

### Version

#### VERSION DESCRIPTION

V3.0.0

## Overview

#### ABSTRACT

PANGEA is an international consortium of researchers based in Africa, the US and the UK studying transmission dynamics in HIV epidemics in sub-Saharan Africa. The goal of the consortium is to analyse HIV phylogenetic and demographic data to identify individual and population-level factors that drive the epidemic, analyse the

dynamics of the epidemic and translate these findings into information that can be used to more effectively target interventions. PANGEA encompasses four analysis themes: (1) molecular epidemiology and mathematical modelling, (2) phylodynamics, (3) mobility and migration, and (4) clinical science, drug resistance and ethics. Social, Demographic and Clinical data will be used for these analysis.

#### KIND OF DATA

Clinical and Demographic Data

#### UNITS OF ANALYSIS

NA Samples are not sequenced at AHRI, but shipped to the UK for sequencing.

#### TOPICS

Topic	Vocabulary	URI
HIV-1; Incidence; Phylogeny; Epidemics; Population Surveillance; Rural Population; HIV Infections; Africa	Africa Health Research Institute	AHRI

#### KEYWORDS

Viremic Vukuzazi participants; date of sampling; phylodynamics, phylogeny, HIV-1, ART history

## Coverage

#### GEOGRAPHIC COVERAGE

South Africa

#### UNIVERSE

All Vukuzazi participants in the intervention area, in Umkhanyakude district.

## Producers and Sponsors

#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Pillay, Deenan	Africa Health Research Institute

## OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

## FUNDING

Name	Abbreviation	Role
Bill & Melinda Gates Foundation	BMGF	Genotyping funding source

## OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Anne Derache	Africa Health Research Institute	
Sweetness Dube	Africa Health Research Institute	
Tshwaraganang Modise	Africa Health Research Institute	
Dickman Gareta	Africa Health Research Institute	

## Metadata Production

## METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

## DDI DOCUMENT ID

DDI.PANGA2.Vukuzazi.ClinicalData.202102

## Sampling

### **Sampling Procedure**

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HIV positive individuals within the Vukuzazi study, enrolled from June 1st 2018 to 31st May 2019, with a VL >100 copies/ml.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2018-05-25	2020-03-13	N/A

## Data Processing

No content available

## Data Appraisal

No content available



## File Description

## Variable List

**AHRI.PANGAEA2.VukuPANGAEA2ClinicalData.2021**

Content

Cases 562

Variable(s) 24

Structure Type:  
Keys: ()

Version

Producer

Missing Data

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V140	study_id	study_id	contin	numeric	
V141	sex	sex	discrete	character	
V142	dob	dob	discrete	character	
V143	study	study	discrete	character	
V144	sampled_date	sampled_date	discrete	character	
V145	parent_tube	parent_tube	discrete	character	
V146	aliquot_id	aliquot_id	discrete	character	
V147	sample_type	sample_type	discrete	character	
V148	sample_volume	sample_volume	contin	numeric	
V149	sample_units	sample_units	discrete	character	
V150	knows_status	knows_status	discrete	character	
V151	hiv_status	hiv_status	discrete	character	
V152	last_neg_dt	last_neg_dt	discrete	character	
V153	had_hiv_pos_result	had_hiv_pos_result	discrete	character	
V154	first_pos_dt	first_pos_dt	discrete	character	
V155	on_art	on_art	discrete	character	
V156	art_start_dt	art_start_dt	discrete	character	
V157	latest_art_drug_regimen	latest_art_drug_regimen	discrete	character	
V158	latest_art_visit_date	latest_art_visit_date	discrete	character	
V159	latest_art_visit_type	latest_art_visit_type	discrete	character	
V160	cd4_count	cd4_count	contin	numeric	
V161	vl_result	vl_result	contin	numeric	
V162	is_pregnant	is_pregnant	discrete	character	
V163	tb_ever	tb_ever	discrete	character	



study\_id (study\_id)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Continuous	Valid cases: 562
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 6796
Range: 6796-38745	Maximum: 38745
	Mean: 28830.1
	Standard deviation: 6126.7

sex (sex)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete	Valid cases: 562
Format: character	Invalid: 0
Width: 1	

dob (dob)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete	Valid cases: 562
Format: character	Invalid: 0
Width: 10	

study (study)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete	Valid cases: 562
Format: character	Invalid: 0
Width: 6	

sampled\_date (sampled\_date)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete	Valid cases: 562
Format: character	Invalid: 0
Width: 10	

parent\_tube (parent\_tube)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete	Valid cases: 562
Format: character	Invalid: 0
Width: 14	

aliquot\_id (aliquot\_id)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 13

Valid cases: 562  
 Invalid: 0

sample\_type (sample\_type)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

Valid cases: 562  
 Invalid: 0

sample\_volume (sample\_volume)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Continuous  
 Format: numeric  
 Decimals: 0  
 Range: 500-1000

Valid cases: 562  
 Invalid: 0  
 Minimum: 500  
 Maximum: 1000  
 Mean: 694.8  
 Standard deviation: 244.1

sample\_units (sample\_units)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 2

Valid cases: 562  
 Invalid: 0

knows\_status (knows\_status)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 3

Valid cases: 562  
 Invalid: 0

hiv\_status (hiv\_status)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 8

Valid cases: 562  
 Invalid: 0

last\_neg\_dt (last\_neg\_dt)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

Valid cases: 195  
 Invalid: 0

had\_hiv\_pos\_result (had\_hiv\_pos\_result)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 3

Valid cases: 489  
 Invalid: 0

first\_pos\_dt (first\_pos\_dt)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

Valid cases: 445  
 Invalid: 0

on\_art (on\_art)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

Valid cases: 562  
 Invalid: 0

art\_start\_dt (art\_start\_dt)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

Valid cases: 250  
 Invalid: 0

latest\_art\_drug\_regimen (latest\_art\_drug\_regimen)

File: AHRI.PANGEA2.VukuPANGEA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 20

Valid cases: 223  
 Invalid: 0

latest\_art\_visit\_date (latest\_art\_visit\_date)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

Valid cases: 250  
 Invalid: 0

latest\_art\_visit\_type (latest\_art\_visit\_type)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 18

Valid cases: 250  
 Invalid: 0

cd4\_count (cd4\_count)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**

Type: Continuous  
 Format: numeric  
 Decimals: 0  
 Range: 4-1749

Valid cases: 558  
 Invalid: 4  
 Minimum: 4  
 Maximum: 1749  
 Mean: 439.2  
 Standard deviation: 282

vl\_result (vl\_result)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**

Type: Continuous  
 Format: numeric  
 Decimals: 0  
 Range: 104-6715552

Valid cases: 562  
 Invalid: 0  
 Minimum: 104  
 Maximum: 6715552  
 Mean: 96460  
 Standard deviation: 480347.2

is\_pregnant (is\_pregnant)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**

Type: Discrete  
 Format: character  
 Width: 16

Valid cases: 326  
 Invalid: 0

tb\_ever (tb\_ever)

File: AHRI.PANGA2.VukuPANGA2ClinicalData.2021

**Overview**



Type: Discrete  
Format: character  
Width: 3

Valid cases: 537  
Invalid: 0

# Documentation

## Technical documents

### DDI:PANGEA2 Vukuzazi Clinical Data

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Title DDI:PANGEA2 Vukuzazi Clinical Data  
Author(s) Sweetness H Dube  
Date 16/02/2021  
Country South Africa  
Language English  
Filename PANGEA2.Vukuzazi.ClinicalData.202102.pdf

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