

# South Africa - Genomics data collected by DREAMS Nested- and Multilevel HIV Prevention. Version 02

**Sweetness H Dube**

Report generated on: October 28, 2020

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

## Overview

### Identification

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#### ID NUMBER

AHRI.Fasta.Sequence.Data.For.DREAMS.V2

### Version

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#### VERSION DESCRIPTION

V2.0.0

## Overview

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#### ABSTRACT

The Genomics data was analysed from HIV Positive Dried Blood Spots (DBS) specimens collected during the data collection period for the DREAMS Nested- and Multilevel HIV Prevention projects.

#### KIND OF DATA

Genomics Data

#### UNITS OF ANALYSIS

Specimen

#### TOPICS

Topic	Vocabulary	URI
Genomics data	Africa Health Research Institute	<a href="http://www.ahri.org">www.ahri.org</a>

#### KEYWORDS

DREAMS nested cohort; Genomics data; Multilevel HIV prevention

## Coverage

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#### GEOGRAPHIC COVERAGE

Demographic surveillance area of the Africa Health Research Institute; KwaZulu-Natal, uMkhanyakude district.

#### UNIVERSE

DREAMS Nested cohort:

A nested cohort of 800 AGYW will be followed prospectively at three time points over the two-year study period - baseline, 12 months and 24 months - at points closest aligned with periods before, during and after DREAMS implementation. In ACDIS cohorts of 400 girls aged 13-17 years and 400 young women aged 14-24 years will undergo informed consent, recruited undergo a baseline questionnaire and provide dried blood spot (DBS) sample for HSV2 and for the HIV testing, and then reviewed annually for the next two years.

Multilevel HIV Prevention:

Participants were randomly selected from a southern part of AHRI surveillance area, stratified by age, sex and week-block. A target sample size was 2500 males aged 13-35 and 500 females aged 24-29 years

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Dr Maryam, Shahmanesh	Africa Health Research Institute

### OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

### FUNDING

Name	Abbreviation	Role
Bill & Melinda Gates Foundation	BMGF	Impact Evaluation of PEPFAR funded DREAMS interventions
South African Medical Research Council	SAMRC	Genotyping funding source

### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Jaco Dreyer	Africa Health Research Institute	Data management
Nondumiso Mthiyane	Africa Health Research Institute	Cleaning and analysis

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

### DDI DOCUMENT ID

DDI.AHRI.Fasta.Sequence.Data.For.DREAMS.V2

# Sampling

## Sampling Procedure

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The type of sample and sample design used to select the survey respondents to represent the population. May include reference to the target sample size and the sampling fraction

**DREAMS:** Adolescent girls and young women aged 13-24 years who were residents in the demographic surveillance area of the Africa Health Research Institute. A total of 3013 participants were randomly selected to obtain a target sample size of 800 after 2 years of follow-up, allowing for 40% non-contact/loss-to-follow-up. Sampling was stratified by age group and area (week-blocks).

**Multilevel:** Participants were randomly selected from a southern part of AHRI surveillance area, stratified by age, sex and week-block. A target sample size was 2500 males aged 13-35 and 500 females aged 24-29 years.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2017-05-03	2020-01-29	N/A

## Data Processing

### **Data Editing**

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None

# Data Appraisal

No content available

## File Description

# Variable List

**AHRI.DREAMS.Fasta.Files\_v2**

Content

Cases 166

Variable(s) 3

Structure Type:  
Keys: ()

Version

Producer

Missing Data

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V6183	Fastald	Unique Fasta Identifier	discrete	character	
V6184	SpecimenId	Unique Specimen Identifier	discrete	character	
V6185	Sequence	Sequence	discrete	character	



## Unique Fasta Identifier (Fastald)

File: AHRI.DREAMS.Fasta.Files\_v2

### Overview

Type: Discrete  
Format: character  
Width: 14

Valid cases: 166  
Invalid: 0

## Unique Specimen Identifier (SpecimenId)

File: AHRI.DREAMS.Fasta.Files\_v2

### Overview

Type: Discrete  
Format: character  
Width: 13

Valid cases: 166  
Invalid: 0

## Sequence (Sequence)

File: AHRI.DREAMS.Fasta.Files\_v2

### Overview

Type: Discrete  
Format: character  
Width: 255

Valid cases: 166

# Documentation

## Technical documents

### DDI:Fasta.Sequence.Data.For.DREAMS.v2

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Title DDI:Fasta.Sequence.Data.For.DREAMS.v2  
Author(s) Sweetness H Dube  
Date 28/10/2020  
Country South Africa  
Language English  
Filename Fasta.Sequence.Data.For.DREAMS.V2 (2).pdf

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