

South Africa - Genomics data collected by DREAMS Nested- and Multilevel HIV Prevention. Version 03

Sweetness H Dube

Report generated on: November 11, 2020

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Overview

Identification

ID NUMBER

AHRI.Fasta.Sequence.Data.For.DREAMS.V3

Version

VERSION DESCRIPTION

V3.0.0

Overview

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	www.ahri.org

KEYWORDS

DREAMS nested cohort; Genomics data; Multilevel HIV prevention

Coverage

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.V3

Sampling

Sampling Procedure

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

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

Data Processing

Data Editing

None

Data Appraisal

No content available

File Description

Variable List

AHRI.DREAMS.Fasta.Files_v3

Content

Cases 165

Variable(s) 10

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V6186	fastaid	Fastaid	discrete	character	
V6187	dr_barcode	SpecimenID	discrete	character	
V6188	sequence	Sequence	discrete	character	
V6189	lntId	Individual ID	contin	numeric	
V6190	gender	Gender	discrete	numeric	
V6191	age	Age	contin	numeric	
V6192	agegp	Age group	discrete	numeric	
V6193	rural_or_urban	Urban or rural	discrete	numeric	
V6194	invited_rec_2017_18b	Invited or received DREAMS, 2017/18	discrete	numeric	
V6195	invited_2017_18b	Invitation to participate in 2017/18 binary	discrete	numeric	

Fastald (fastaid)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: character
 Width: 14

Valid cases: 165
 Invalid: 0

SpecimenID (dr_barcode)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: character
 Width: 13

Valid cases: 165
 Invalid: 0

Sequence (sequence)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: character
 Width: 244

Valid cases: 165

Individual ID (IIntId)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 1566-206622

Valid cases: 165
 Invalid: 0
 Minimum: 1566
 Maximum: 206622
 Mean: 77427.3
 Standard deviation: 49144.7

Gender (gender)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: numeric
 Width: 9
 Decimals: 0
 Range: 1-2

Valid cases: 165
 Invalid: 0

Age (age)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Continuous
 Format: numeric
 Width: 12
 Decimals: 0
 Range: 13-35

Valid cases: 165
 Invalid: 0
 Minimum: 13
 Maximum: 35
 Mean: 22.5
 Standard deviation: 5.7

Age group (agegp)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: numeric
 Width: 9
 Decimals: 0
 Range: 1-4

Valid cases: 165
 Invalid: 0

Urban or rural (rural_or_urban)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: numeric
 Width: 18
 Decimals: 0
 Range: 1-2

Valid cases: 136
 Invalid: 29

Invited or received DREAMS, 2017/18 (invited_rec_2017_18b)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: numeric
 Width: 9
 Decimals: 0
 Range: 0-1

Valid cases: 165
 Invalid: 0

Invitation to participate in 2017/18 binary (invited_2017_18b)

File: AHRI.DREAMS.Fasta.Files_v3

Overview

Type: Discrete
 Format: numeric
 Width: 23
 Decimals: 0
 Range: 0-1

Valid cases: 165
 Invalid: 0

Documentation

Technical documents

DDI:Fasta.Sequence.Data.For.DREAMS.v3

Title DDI:Fasta.Sequence.Data.For.DREAMS.v3
Author(s) Sweetness H Dube
Date 11/11/2020
Country South Africa
Language English
Filename AHRI.Fasta.Sequence.Data.For.DREAMS.V3.pdf
