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

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Overview

Identification

ID NUMBER
AHRI.Fasta.Sequence.Data.For.DREAMS

Version

VERSION DESCRIPTION
V1.0.0

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

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_v1

Content	
Cases	116
Variable(s)	3
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V6180	FastaId	Unique Fasta Identifier	discrete	character	
V6181	SpecimenId	Unique Specimen Identifier	discrete	character	
V6182	Sequence	Sequence	discrete	character	

Unique Fasta Identifier (FastaId)
File: AHRI.DREAMS.Fasta.Files_v1

Overview	

Type: Discrete
Format: character
Width: 14

Valid cases: 116
Invalid: 0

Unique Specimen Identifier (SpecimenId)
File: AHRI.DREAMS.Fasta.Files_v1

Overview	

Type: Discrete
Format: character
Width: 13

Valid cases: 116
Invalid: 0

Sequence (Sequence)
File: AHRI.DREAMS.Fasta.Files_v1

Overview	

Type: Discrete
Format: character
Width: 255

Valid cases: 116

Documentation

Technical documents

DDI:Fasta.Sequence.Data.For.DREAMS

Title	DDI:Fasta.Sequence.Data.For.DREAMS
Author(s)	Sweetness H Dube
Date	20/10/2020
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