

Data Documentation Template

1 Study Description

1.1 Identification

1.1.1 Title: Genomics data collected by DREAMS Nested- and Multilevel HIV Prevention projects in uMkhanyakude District.

1.2 Overview

1.2.1 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.

projects.

1.2.2 Kind of Data

Genomics data

1.2.3 Unit of Analysis

Specimen

1.3 Scope

1.3.1 Topics Classification

Genomics data

1.3.2 Keywords

DREAMS nested cohort; Genomics data

1.3.3 Country

South Africa

1.3.4 Geographic Coverage

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

1.3.5 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

1.4 Producers and Sponsors

1.4.1 Investigators

The person, corporate body, or agency responsible for the data collection's substantive and intellectual content. Repeat the element for each author and use the affiliation attribute if available. Invert first and last name and use commas. Remarks: The author in this element should be the individual(s) or organization(s) directly responsible for the intellectual content of the data collection.

Name	Affiliation
Dr Maryam Shahmanesh	Africa Health Research Institute

1.4.2 Funding

The source(s) of funds for production of the data collection. If different funding agencies sponsored different stages of the production process, use the role attribute to distinguish them. Also includes a field for the grant/contract number of the project that sponsored the data collection effort.

Project	Agency	Abbreviation	Grant number	Role
DREAMS	Bill & Melinda Gates Foundation (BMGF)	BMGF	grant agreement number: OPP1136774	Impact Evaluation of PEPFAR funded DREAMS interventions
Multilevel	South African Medical Research Council	SAMRC	MRC-RFA-UFSP-01/2013/UKZN HIVEPI	Genotyping funding source

1.4.3 Acknowledgements

Statements of responsibility not recorded in the title and statement of responsibility areas. Indicate here the persons or bodies connected with the work, or significant persons or bodies connected with previous editions and not already named in the description. For example, the name of the person who cleaned the data collection might be cited here, using the role and affiliation attributes. Does not include funders.

Name	Affiliation	Role
Jaco Dreyer and Nondumiso Mthiyane	AHRI	Data management, cleaning and analysis

1.5 Sampling

1.5.1 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.

1.6 Data Collection

1.6.1 Dates of Collection

Data collected started on 03 May 2017 – 29 January 2020

Notes on Data Collection/Production:

A team of trackers (12) collect data electronically using tablets and REDCap software. They use a sampling list generated by the statistician from the eligibility list to recruit eligible participants. Recruitment and enrolment of participants is done at the household. All sensitive information on sexual history is self-filled on the tablet by the participant. Interviews are conducted in isiZulu. Data Processing

1.6.2 Other Processing

None

1.7 Data Access

Following AHRI's data access policy

1.8 Contacts

1.8.1 Contact persons

Individuals listed as contact persons will be used as resource persons regarding problems or questions raised by the user community. The URI attribute should be used to indicate a URN or URL for the homepage of the contact individual. The email attribute is used to indicate an email address for the contact individual.