South Africa - Distribution of urogenital schistosomiasis and HIV infection in a typical rural South African population with rapid increase in access to piped water and sanitation: Implications for public health

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Report generated on: February 11, 2019

Visit our data catalog at: https://data.africacentre.ac.za/index.php

Overview

Identification

ID NUMBER
AHRI.Schisto.ClinData.2018.v1

Version

VERSION DESCRIPTION
V1.0.0

Overview

ABSTRACT
The dataset generated will be used to determine the distribution of schistosomiasis in the population (aged 15-50 years) and also used with the other datasets, will locate the hotspots for schisto-HIV coinfection in the population and also identify causal factors for the distribution.

KIND OF DATA
Survey Data

UNITS OF ANALYSIS
Demographic data, each participant was asked a set of questions on the history of bilharzia and also the understanding of it as well as frequency of water contact

Clinical data, each participant has one urine test results. None of the participants were tested twice.

TOPICS

Topic	Vocabulary	URI
Schistosomiasis-hiv coinfection distribution	Africa Health Research Institute	www.ahri.org

KEYWORDS
Tuberculosis

Coverage

GEOGRAPHIC COVERAGE
uMkhanyakude district in northern KwaZulu-Natal

UNIVERSE
Individuals aged 15-50 years (both males and females) who are resident members of households in the AHRI DSS area

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Professor Frank Tanser	UCL; AHRI
Mr Sipho Zulu	UKZN; AHRI

OTHER PRODUCER(S)

Name	Affiliation	Role

Name	Affiliation	Role
Africa Health Research Institute		

FUNDING

Name	Abbreviation	Role
Research Development Grant (UKZN)	RDG	Core funding
College of Health Sciences scholarship	CHS	Core funding
University Capacity Development Program	UCDP	Core funding

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Dr. Kobus, Herbst	AHRI	Chief Information Officer
Dickman, Gareta	AHRI	Head of Research Data Management
Njabulo Dayi	AHRI	Data management, data cleaning

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Africa Health Research Institute	AHRI		

DDI DOCUMENT ID
DDI.AHRI.Schisto.ClinData.2018.v1

Sampling

Sampling Procedure

All individuals aged 15-50 years who are resident members of households in the DSS area were eligible to participate in the schistosomiasis study.

Questionnaires

No content available

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2017-08-01	2018-03-29	N/A

Data Processing

Data Editing

NA

Data Appraisal

No content available

File Description

Variable List

AHRI.Schisto.ClinData.2018.v1

Content	
Cases	3701
Variable(s)	30
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V80	lIntID	Individual Identifier	contin	numeric	
V81	DoB	Date Of Birth	discrete	character	
V82	ca_sex	Sex	discrete	numeric	
V83	ca_age	Age	contin	numeric	
V84	ca_attmp1_fieldattmp	Conducting Contact Attempt - One	discrete	numeric	
V85	ca_attmp1_fielddatetime	Contact Attempt Date and Time	discrete	character	
V86	ca_attmp2_fieldattmp	Conducting Contact Attempt - Two	discrete	numeric	
V87	ca_attmp2_fielddatetime	Contact Attempt Date and Time	discrete	character	
V88	ca_attmp3_fieldattmp	Conducting Contact Attempt - Three	discrete	numeric	
V89	ca_attmp3_fielddatetime	Contact Attempt Date and Time	discrete	character	
V90	ca_premature_comp	Was this a Pre-mature completion?	discrete	numeric	
V91	ca_premature_reas	Reason for pre-mature completion	discrete	numeric	
V92	ca_particip_refused	Was participation refused?	discrete	numeric	
V93	ca_refused_by	Who refuse participation?	discrete	numeric	
V94	ca_visitdate	Visit Date	discrete	character	
V95	emancipation	Reason emancipated,	discrete	numeric	
V96	emancipated	Is participant emancipated	discrete	numeric	
V97	specimen_stored	To have my urine specimen stored	discrete	numeric	
V98	samples_used_in_future	To have my stored urine specimen be used by Africa Health Research Institute rese	discrete	numeric	
V99	urine_microscopy	To have my urine tested by microscopy and be informed of the results should I tes	discrete	numeric	
V100	agree_to_answer_questions	To answer questions on self-reported general health	discrete	numeric	
V101	knowledge_and_history_of_bilharz	To answer questions about knowledge and history of bilharzia	discrete	numeric	
V102	future_communication	To be contacted in future if certain parts of the information I provide today are	discrete	numeric	
V103	data_linkage	To allow Africa Health Research Institute to link my Department of Health clinic	discrete	numeric	
V104	know_bilharzia	Do you know what bilharzia is?	discrete	numeric	
V105	ever_had_bilharzia	Have you ever had bilharzia?	discrete	numeric	

ID	Name	Label	Type	Format	Question
V106	ever_had_urine	Have you ever had red urine?	discrete	numeric	
V107	had_bilharzia_in_last_year	Have you been treated for bilharzia in the last 12 months?	discrete	numeric	
V108	frequent_water_contact	How often (on average) do you have contact with rivers, dams, lakes or other wate	discrete	numeric	
V109	Result	Results	discrete	numeric	

Individual Identifier (IIntID)

File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Continuous	Valid cases: 3701
Format: numeric	Invalid: 0
Width: 12	Minimum: 140
Decimals: 0	Maximum: 209213
Range: 140-209213	Mean: 78153.1
	Standard deviation: 50447.1

Date Of Birth (DoB)

File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 3701
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Sex (ca_sex)

File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 3701
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-2	

Age (ca_age)

File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Continuous	Valid cases: 3701
Format: numeric	Invalid: 0
Width: 12	Minimum: 15
Decimals: 0	Maximum: 51
Range: 15-51	Mean: 28.9
	Standard deviation: 10.1

Conducting Contact Attempt - One (ca_attmp1_fieldattmp)

File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 3701
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 1-2	

Contact Attempt Date and Time (ca_attmp1_fielddatetime)

File: AHRI.Schisto.ClinData.2018.v1

Contact Attempt Date and Time (ca_attmp1_fielddatetime)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 3701
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Conducting Contact Attempt - Two (ca_attmp2_fieldattmp)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1594
Format: numeric	Invalid: 2107
Width: 12	
Decimals: 0	
Range: 1-2	

Contact Attempt Date and Time (ca_attmp2_fielddatetime)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1121
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Conducting Contact Attempt - Three (ca_attmp3_fieldattmp)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 408
Format: numeric	Invalid: 3293
Width: 12	
Decimals: 0	
Range: 1-2	

Contact Attempt Date and Time (ca_attmp3_fielddatetime)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 202
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

Was this a Pre-mature completion? (ca_premature_comp)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Was this a Pre-mature completion? (ca_premature_comp)
File: AHRI.Schisto.ClinData.2018.v1

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-2

Valid cases: 3208
Invalid: 493

Reason for pre-mature completion (ca_premature_reas)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-96

Valid cases: 357
Invalid: 3344

Was participation refused? (ca_particip_refused)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-2

Valid cases: 2851
Invalid: 850

Who refuse participation? (ca_refused_by)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-96

Valid cases: 219
Invalid: 3482

Visit Date (ca_visitdate)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete
Format: character
Width: 11

Valid cases: 2964
Minimum: NaN
Maximum: NaN

Reason emancipated, (emancipation)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Reason emancipated, (emancipation)

File: AHRI.Schisto.ClinData.2018.v1

Type: Discrete	Valid cases: 292
Format: numeric	Invalid: 3409
Width: 12	
Decimals: 0	
Range: 0-1	

Is participant emancipated (emancipated)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 3
Format: numeric	Invalid: 3698
Width: 12	
Decimals: 0	
Range: 1-3	

To have my urine specimen stored (specimen_stored)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

To have my stored urine specimen be used by Africa Health Research Institute rese (samples_used_in_future)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

To have my urine tested by microscopy and be informed of the results should I tes (urine_microscopy)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

To answer questions on self-reported general health (agree_to_answer_questions)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

To answer questions about knowledge and history of bilharzia (knowledge_and_history_of_bilharz)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1857
Format: numeric	Invalid: 1844
Width: 12	
Decimals: 0	
Range: 1-2	

To be contacted in future if certain parts of the information I provide today are (future_communication)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

To allow Africa Health Research Institute to link my Department of Health clinic (data_linkage)
File: AHRI.Schisto.ClinData.2018.v1

Overview	
Type: Discrete	Valid cases: 1860
Format: numeric	Invalid: 1841
Width: 12	
Decimals: 0	
Range: 1-2	

Do you know what bilharzia is? (know_bilharzia)
File: AHRI.Schisto.ClinData.2018.v1

Overview

Do you know what bilharzia is? (know_bilharzia)

File: AHRI.Schisto.ClinData.2018.v1

Type: Discrete	Valid cases: 1862
Format: numeric	Invalid: 1839
Width: 12	
Decimals: 0	
Range: 1-3	

Have you ever had bilharzia? (ever_had_bilharzia)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1862
Format: numeric	Invalid: 1839
Width: 12	
Decimals: 0	
Range: 1-3	

Have you ever had red urine? (ever_had_urine)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1861
Format: numeric	Invalid: 1840
Width: 12	
Decimals: 0	
Range: 1-3	

Have you been treated for bilharzia in the last 12 months? (had_bilharzia_in_last_year)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1846
Format: numeric	Invalid: 1855
Width: 12	
Decimals: 0	
Range: 1-3	

How often (on average) do you have contact with rivers, dams, lakes or other wate (frequent_water_contact)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete	Valid cases: 1851
Format: numeric	Invalid: 1850
Width: 12	
Decimals: 0	
Range: 1-6	

Results (Result)

File: AHRI.Schisto.ClinData.2018.v1

Overview

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 0-1

Valid cases: 1857
Invalid: 1844

Documentation

Technical documents

DDI:Schistosomiasis Clinical Data

Title	DDI:Schistosomiasis Clinical Data
Author(s)	Sweetness H Dube
Date	11/02/2019
Country	South Africa
Language	English
Filename	AHRI.Schisto.ClinData.2018.v1.pdf

Documentation:Schistosomiasis Clinical Data

Title	Documentation:Schistosomiasis Clinical Data
Author(s)	Sweetness H Dube
Date	14/12/2018
Country	South Africa
Language	English
Filename	Data Documentation Template_Schisto Study.pdf