

South Africa - Clinic attendance by sex and HIV status in rural South Africa

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Overview

Identification

ID NUMBER
AHRI.Clinic.Visits.Code.2021

Version

VERSION DESCRIPTION
v1.0.0

PRODUCTION DATE
2017-08-14

Overview

ABSTRACT

BACKGROUND: HIV-negative men are over-represented in tuberculosis (TB) prevalence surveys. Traditionally, TB screening is focused in clinics. We aimed to determine the frequency of primary healthcare clinic (PHC) attendance among HIV-negative men in a TB-prevalent setting.

METHODS: Since January 2017, PHC attendees in a rural South African demographic surveillance area (DSA) were asked their reason for attendance. HIV status was defined as positive if tested positive in a DSA sero-survey or attended clinic for HIV care; negative if tested negative between January 2014-December 2017 and no HIV-related visits; and HIV-unknown otherwise.

RESULTS: Among 67124 DSA residents (=15 years), 27038 (40%) were male; 14196 (21%) were classified HIV-positive, 18892 (28%) HIV-negative and 34036 (51%) HIV-unknown. Between April 2017 and March 2018, 24382/67124 (36.3%, 95% confidence interval [CI] 36.0-36.7) adults made =1 PHC visit, comprising 9805/40086 (24.5%, 95%CI 23.6-25.3) of HIV-negative or unknown women and 3440/27038 (12.7%, 95%CI 11.6-13.8) of HIV-negative or unknown men. Overall, HIV care accounted for 37556/88109 (43.6%) of adult PHC visits.

CONCLUSION: In this rural population, HIV-negative and -unknown men rarely attend PHCs. Improving TB screening in clinics may not reach a key population with respect to undiagnosed TB. Additional strategies are needed to diagnose and treat TB earlier.

KIND OF DATA

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TOPICS

Topic	Vocabulary	URI
Tuberculosis; Adults; Rural population; Africa; Mass screening; Primary Health Care; Tuberculosis case finding; HIV infection	Africa Health Research Institute	http://www.ahri.org

KEYWORDS

Tuberculosis; Adults; Rural population; Africa; Mass screening; Primary Health Care; Tuberculosis case finding; HIV infection

Coverage

GEOGRAPHIC COVERAGE

The study was conducted in the Africa Health Research Institute (AHRI) demographic surveillance area (DSA), in uMkhanyakude district, KwaZulu-Natal, South Africa. The AHRI DSA covers 845km², with approximately 25000 homesteads

and over 60000 residents aged 15 years or above.

UNIVERSE

The population of interest in our analysis were all individuals over the age of 15 years who were a resident member (defined as intending to spend the majority of nights at a household within the study area) of a household in the AHRI DSA on 1st July 2017. Among 67124 DSA residents (=15 years), 27038 (40.3%) were men; 14196 (21.2%) were classified HIV-positive, 18892 (28.1%) HIV-negative and 34036 (50.7%) HIV-unknown.

Producers and Sponsors

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OTHER PRODUCER(S)

Name	Affiliation	Role
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Name	Abbreviation	Role
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Africa Health Research Institute	AHRI		

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Sampling

Sampling Procedure

Since January 2017, individuals who sought health care at any one of the 11 PHC's serving the AHRI DSA on weekdays between 7am and 7pm have been registered by a member of AHRI staff, and their self-reported reason for attending clinic recorded, using an electronic system known as ClinicLink.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2017-04-01	2018-03-31	N/A

Time Periods

Start	End	Cycle
2017-08-14	2017-08-14	N/A

Data Collection Mode

Face-to-face [f2f]

Data Processing

No content available

Data Appraisal

No content available

File Description

Variable List

clinic_visits_data

Content

Cases 130851

Variable(s) 9

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V1256	id	id	contin	numeric	
V1257	age	age	discrete	character	
V1258	sex	sex	discrete	character	
V1259	hivstatus	hivstatus	discrete	character	
V1260	unique_id_indicator	unique_id_indicator	discrete	numeric	
V1261	visit_indicator	visit_indicator	discrete	numeric	
V1262	unique_visit_indicator	unique_visit_indicator	discrete	numeric	
V1263	total_visits	total_visits	contin	numeric	
V1264	reason_visits_cat	reason_visits_cat	discrete	character	

id (id)

File: clinic_visits_data

Overview

Type: Continuous	Valid cases: 130851
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-67124	Maximum: 67124
	Mean: 30381.9
	Standard deviation: 18507.6

age (age)

File: clinic_visits_data

Overview

Type: Discrete	Valid cases: 130851
Format: character	Invalid: 0
Width: 3	

sex (sex)

File: clinic_visits_data

Overview

Type: Discrete	Valid cases: 130851
Format: character	Invalid: 0
Width: 6	

hivstatus (hivstatus)

File: clinic_visits_data

Overview

Type: Discrete	Valid cases: 130851
Format: character	Invalid: 0
Width: 12	

unique_id_indicator (unique_id_indicator)

File: clinic_visits_data

Overview

Type: Discrete	Valid cases: 130851
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-1	

visit_indicator (visit_indicator)

File: clinic_visits_data

Overview

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

Valid cases: 130851
 Invalid: 0

unique_visit_indicator (unique_visit_indicator)

File: clinic_visits_data

Overview

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

Valid cases: 130851
 Invalid: 0

total_visits (total_visits)

File: clinic_visits_data

Overview

Type: Continuous
 Format: numeric
 Decimals: 0
 Range: 0-26

Valid cases: 130851
 Invalid: 0
 Minimum: 0
 Maximum: 26
 Mean: 3.9
 Standard deviation: 3.9

reason_visits_cat (reason_visits_cat)

File: clinic_visits_data

Overview

Type: Discrete
 Format: character
 Width: 13

Valid cases: 130851
 Invalid: 0

Documentation

Technical documents

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