

# South Africa - AHRI ClinicLink Individual Visits: January 2017 - September 2020

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Visit our data catalog at: <https://data.ahri.org/index.php>

## Overview

### Identification

#### ID NUMBER

AHRI.ClinicLink.Individual.Visits.v2

### Version

#### VERSION DESCRIPTION

v2.0.0

## Overview

#### ABSTRACT

ClinicLink is an electronic data collection system used to record all patients' visits to the 11 clinics located in the AHRI Population Intervention Programme (PIP) study area. The system was implemented in 2017 to assist clinical research assistants (CRAs) stationed in these clinics to capture reasons for clinic attendance. ClinicLink database for each of the clinics is linked to a central ClinicLink database through ongoing replication process. On a daily basis the PIP surveillance database is synchronised with the central ClinicLink database, allowing CRAs access to an up to date list of individuals to search in ClinicLink. Individuals are searched using individual identifiers such as first names, surnames, date of birth, sex and South African civilian identifiers. Deterministic and fuzzy match approaches are used to search for the individuals in the database. Verification is done to ensure that the individual is correctly linked by checking with the individual to name the household members who form part of the household they are part of.

#### KIND OF DATA

The Cliniclink Data is anonymised and mainly contains demographic data such as age, sex, date and time of visit, name of the clinic, reason for clinic attendance and whether or not the individual is linked to PIP database. Each record is a visit reason (VisitId) that each individual has made to the clinic. Individuals can visit the clinic for more than one reason and will then have multiple records in the dataset for the visit identified by the same VisitId. Patient Id is a sequential number used to denote all visits which belong to one individual.

#### UNITS OF ANALYSIS

Each record is a visit reason per visit (VisitId) that each individual has had. Patient id is a sequential number used to denote all visits which belong to one individual.

#### TOPICS

Topic	Vocabulary	URI
HIV infection; tuberculosis; non-communicable diseases; South Africa; population health; demographic and health survey; Clinic visits; population linkage	AHRI	www.ahri.org

#### KEYWORDS

HIV infection; tuberculosis; non-communicable diseases; South Africa; population health; demographic and health survey; Clinic visits; population linkage

## Coverage

#### GEOGRAPHIC COVERAGE

uMkhanyakude district in northern KwaZulu-Natal

#### UNIVERSE

All individuals across all ages accessing care in the 11 clinics located within AHRI PIP. The clinics are:

Esiyembeni Clinic

Gunjaneni Clinic

Hluhluwe Clinic

KwaMsane Clinic

Machibini Clinic

Madwaleni Clinic

Mpukunyoni Clinic

Mtubatuba Clinic

Nkundusi Clinic

Ntondweni Clinic

Somkhele Clinic

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Kobus Herbst	AHRI
Mark Siedner	AHRI/MGH
Willem Hanekom	AHRI

### OTHER PRODUCER(S)

Name	Affiliation	Role
Africa Health Research Institute		

### FUNDING

Name	Abbreviation	Role
Wellcome Trust	WT	Core funding
SAPRIN	SAPRIN	

### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Dickman Gareta	AHRI	Head of Research Data Management
Siphephelo Dhlamini	AHRI	Research Nursing Manager
Thandeka Khoza	AHRI	Clinical Research Platform Manager
Patrick Gabela	AHRI	Clinical Research Coordinator

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
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Africa Health Research Institute	AHRI		
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DDI DOCUMENT ID

DDI.AHRI.ClinicLink.Individual.Visits.v2

## Sampling

### **Sampling Procedure**

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All individuals across all ages accessing care in the 11 clinics located within AHRI PIP

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2017-01-01	2020-09-30	N/A

## Data Processing

No content available



# Data Appraisal

No content available

## File Description

## Variable List

**AHRI.ClinicLink.Visits.2020.V3**

## Content

Cases 1001603

Variable(s) 13

Structure Type:  
Keys: ()

Version

Producer

Missing Data

**Variables**

ID	NAME	LABEL	TYPE	FORMAT	QUESTION
V22	VisitId	Visit identifier	contin	numeric	
V23	ProxyVisit	Is this a proxy visit or not	discrete	numeric	
V24	PatientId	Patient Identification(sequential)	contin	numeric	
V25	IIIntId	PIP Individual Identifier	contin	numeric	
V26	Sex	Gender	discrete	numeric	
V27	DateOfBirth	Date Of Birth	contin	numeric	
V28	Age	Age of the individual	discrete	numeric	
V29	VisitDate	Clinic Visit Date	discrete	character	
V30	VisitDateHour	Visit date hour	contin	numeric	
V31	VisitDateMinute	Visit date minute	contin	numeric	
V32	VisitReason	Reason for Visit	contin	numeric	
V33	FacilityName	Name of facility	contin	numeric	
V34	PersonUid	Person Universally Unique Identifier	discrete	character	



## Visit identifier (VisitId)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	Minimum: 1
Decimals: 0	Maximum: 931168
Range: 1-931168	Mean: 559989.2
	Standard deviation: 284441.5

## Is this a proxy visit or not (ProxyVisit)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Discrete	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-1	

## Patient Identification(sequential) (PatientId)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	Minimum: 10
Decimals: 0	Maximum: 123217
Range: 10-123217	Mean: 77947.3
	Standard deviation: 40922.9

## PIP Individual Identifier (IIntId)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Continuous	Valid cases: 627490
Format: numeric	Invalid: 374113
Width: 12	Minimum: 23
Decimals: 0	Maximum: 252065
Range: 23-252065	Mean: 68239.4
	Standard deviation: 69446

## Gender (Sex)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Discrete	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	
Decimals: 0	
Range: 0-3	

## Date Of Birth (DateOfBirth)

### File: AHRI.ClinicLink.Visits.2020.V3

#### Overview

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 11	Minimum: -5112115200000
Decimals: 0	Maximum: 1918598400000
Range: -5112115200000-1918598400000	Mean: 702007995929.9
	Standard deviation: 596155894969.8

## Age of the individual (Age)

### File: AHRI.ClinicLink.Visits.2020.V3

#### Overview

Type: Discrete	Valid cases: 0
Format: numeric	Invalid: 1001603
Width: 12	
Decimals: 0	

## Clinic Visit Date (VisitDate)

### File: AHRI.ClinicLink.Visits.2020.V3

#### Overview

Type: Discrete	Valid cases: 1001603
Format: character	Minimum: NaN
Width: 11	Maximum: NaN

## Visit date hour (VisitDateHour)

### File: AHRI.ClinicLink.Visits.2020.V3

#### Overview

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 23
Range: 0-23	Mean: 9.5
	Standard deviation: 2.3

## Visit date minute (VisitDateMinute)

### File: AHRI.ClinicLink.Visits.2020.V3

#### Overview

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	Minimum: 0
Decimals: 0	Maximum: 59
Range: 0-59	Mean: 32.7
	Standard deviation: 16.1

## Reason for Visit (VisitReason)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Continuous	Valid cases: 1001598
Format: numeric	Invalid: 5
Width: 12	Minimum: 1
Decimals: 0	Maximum: 25
Range: 1-25	Mean: 6.7
	Standard deviation: 5.9

## Name of facility (FacilityName)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Continuous	Valid cases: 1001603
Format: numeric	Invalid: 0
Width: 12	Minimum: 1
Decimals: 0	Maximum: 99
Range: 1-99	Mean: 6.5
	Standard deviation: 2.7

## Person Universally Unique Identifier (PersonUid)

File: AHRI.ClinicLink.Visits.2020.V3

**Overview**

Type: Discrete	Valid cases: 1001603
Format: character	Invalid: 0
Width: 36	



# Documentation

## Technical documents

### DDI: ClinicLink Visits

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Title DDI: ClinicLink Visits  
Author(s) Sweetness H Dube  
Date 29/10/2020  
Country South Africa  
Language English  
Filename AHRI.ClinicLink.Individual.Visits.v2.pdf

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