

# Mozambique - Chokwe Health Research and Training Centre INDEPTH Core Dataset 2010-2013 (Release 2016)

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Visit our data catalog at: <http://indepth-ishare.org/index.php>

## Overview

### Identification

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**ID NUMBER**

INDEPTH.MZ021.CMD2013.v1

### Version

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**VERSION DESCRIPTION**

v1: Edited dataset for public distribution

**PRODUCTION DATE**

2016-05-13

### Overview

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**ABSTRACT**

Chokwe HDSS is a member of the International Network for Demographic Evaluation of the Population and Their Health (INDEPTH), since October 2014. The surveillance area covers an area of approximately 600 square kms within a 25 kms radius of Chokwe City, including 15 (fifteen) villages of which, eight (8) villages are part of Chkw Municipality (classified as urban) and seven (7) are rural villages namely, Lionde Administrative Post (Lionde Sede, Massavasse, Conhane) and Macarretane (Muzumuia, Matuba, Manjangue and Barragem). The population under surveillance is 97,939 inhabitants (~50% of total the district population), in 21,498 households.

The baseline census took place between May and July 2010 and covered all the population of Chkw City. The census registered 56,727 inhabitants in 12,326 households and each household and individual assigned a unique permanent identification number which enables the follow up of the population. All households are geolocated and enumerated. A resident is defined as any person living in the study area or planning to stay for at least the 3 following months.

Based on recommended INDEPTH methodology for demographic surveillance, monitoring of households and members within households is undertaken in regular 6-month cycles known as 'rounds'. Since its implementation, data collection consists on demographic history including details on birth outcomes (births, still births and abortions), deaths, migration (in-migration and out-migration).

The updating of demographic data is done in the three following ways:

- Update rounds: In each round, a team of field interviewers and supervisors visit their assigned households to update the demographic data.
- Continuous update through community informants: Local leaders report occurring demographic events in their community to the concerned HDSS team.
- Birth and death registrations in health facilities: data collectors are responsible for the daily registration of all births and deaths occurring in the health facilities in the surveillance area.

The data are double entered into a relational database designated Household Registration System (HRS1) implemented in Microsoft Visual FoxPro version 5. Consistence checking and validation are performed and resolved.

Verbal autopsy using modified WHO standardized questionnaires, based on physician coded approach has been conducted on all deaths since 2012. Currently, data collection is in the process of migration to electronic data capture and interpretation with InterVA applying the WHO 2012 modified questionnaire.

The Site Leader is Dr Ricardo Thompson

**KIND OF DATA**

Event history data

**UNITS OF ANALYSIS**

Individual

## Scope

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**NOTES**

The scope of the HDSS include:

1. Household: (Geo-location: Latitude, longitude; Household socioeconomic data: household construction characteristics, water and electricity supply, main cooking fuel source, kitchen, sanitation, number of members with income, bed nets, Household head characteristics (name, residency, occupation, religion HDSS ID);
2. Individual: Names, HDSS identification (mother, father, spouse), names (all where available), member position, sex, date of birth, education, religion, occupation, marital status, birth place, relationship to the head of household, nickname, cell phone use and ownership data, subscribed networks and most frequently used, residence status, location ID, civil registration status and documentation, disability (type and cause), deaths (Date, Location id, death place). For women, number of live births delivered, number of surviving children, number of abortions, number of stillbirths.

Pregnancy (Mother id, Name, location id, number of months pregnant, pregnancy registration date),

Pregnancy outcomes (Date of registration, mother id, Mother Location ID, name, date of delivery, type of delivery result, number of prior pregnancies, way of delivery, number of living birth, place of delivery, gestational age),

In migration (Date of registration, HDSS ID, location id, event occurrence date, place of provenience, HH from the place of provenience, name of in-migrant, sex, marital status, date of birth, place of birth, education level, occupation, religion, relationship to the HH, mother ID, father id, spouse ID) and Out Migration (Date of registration, HDSS ID, location ID, date, name of out-migrant, destination, name of HH at destination place, location of destination (whether is located inside the study area or not);

## 3. Demographic Events:

## 3.1. Pregnancies:

## 3.2. Pregnancies Outcome (Birth, Stillbirth and abortions);

## 3.3. Migration (In-migration &amp; Out-migration);

## 3.4. Deaths

## 3.5. Verbal Autopsy

**TOPICS**

Topic	Vocabulary	URI
Demography[N01.224]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>

**KEYWORDS**

Migration, Fertility, Mortality

## Coverage

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**GEOGRAPHIC COVERAGE**

The surveillance area covers an area of approximately 600 square km around Chokwe City (-24.528981, 32.981228), including 15 (fifteen) villages of which, eight (8) villages are part of Chkw Municipality (classified as urban) and seven (7) are rural villages namely, Lionde Administrative Post (Lionde Sede, Massavasse, Conhane) and Macarretane (Muzumuia, Matuba, Manjangue and Barragem). The population under surveillance is 97,939 inhabitants (~ 50% of total the district population), in 21,498 households.

**UNIVERSE**

Universe

The population under surveillance is 97,939 inhabitants (~ 50% of total District population), residing in 21498 households. All households and members are assigned a unique identification number (Perm\_ID). A member is defined as somebody living in the Demographic Surveillance Area (DSA) for more than three (3) months or intending to remain in the DSA for at least three months.

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Ricardo Thompson, Ph.D.	Chkw Health Research and Training Center, National Institute Of Health, Mozambique

### OTHER PRODUCER(S)

Name	Affiliation	Role
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### FUNDING

Name	Abbreviation	Role
PEPFAR -CDC	PEPFAR -CDC	Current funder

### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Site team		
Community leaders, CAB, Chkw Authorities		
INDEPTH NETWORK		
PEPFAR-CDC		
NIH-MOH MOZAMBIQUE		

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
iSHARE2 Technical Team	iS2TT	INDEPTH Network	Documentation of the study
INDEPTH Network	int.indepth	INDEPTH Network	agency
Juvencio Bonzela	JB	Chokwe Health Research and Training Centre	DDI Author
Jose Come	JC	Chokwe Health Research and Training Centre	DDI Author
Ricardo Thompson	RT	Chokwe Health Research and Training Centre	DDI Author

### DATE OF METADATA PRODUCTION

2016-06-09

### DDI DOCUMENT VERSION

Version 1 : 2016-05-13

Version 2: 2016-06-09

### DDI DOCUMENT ID

DDI.INDEPTH.MZ021.CMD2013.v2

## **Sampling**

### **Sampling Procedure**

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This dataset covers the whole population in the surveillance area.

### **Deviations from Sample Design**

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None

### **Response Rate**

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On an average the response rate is 100% over the years for all rounds.

### **Weighting**

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Not applicable

# Questionnaires

## Overview

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The core HDSS questionnaires are:

1. Household Enumeration and Member Registration Form
2. New Household Form
3. Emigration Registration Form
4. Immigration Registration Form
5. Death Registration Form
6. Pregnancy Registration Form
7. Pregnancy Outcome Registration Form

## Data Collection

### Data Collection Dates

Start	End	Cycle
2010-04-01	2013-12-31	Release Coverage

### Time Periods

Start	End	Cycle
2010-06-10		Baseline 1-Round 0
2011-01-01		Round 1
2011-11-01		Expansion Baseline 2
2013-09-03		Round 4
2014-07-21		Round 5
2015-06-03		Round 6

### Data Collection Mode

Proxy Respondent [proxy]

#### DATA COLLECTION NOTES

For data collection quality assurance all staff was trained in their specific tasks for the initial census and for each demographic update rounds. The establishment of Community Advisory Board, is one of the foremost determinants of the community engagement in the HDSS. So far, no household has refused registration in HDSS or visits by data collectors. Financial constraints have resulted in some delays in running some of the update rounds on schedule.

### Data Collectors

Name	Abbreviation	Affiliation
Chkw Health Research and Training Center(MZ021)		National Institute Of Health, Mozambique

#### SUPERVISION

Supervision is continuously done throughout each update round. A sample of 5% of households previously visited by field interviewers, are re-visited by supervisors who repeat the data collection exercise to evaluate the quality of the work done by each interviewer.



## **Data Processing**

No content available

## Data Appraisal

### Estimates of Sampling Error

Not Applicable

### Other forms of Data Appraisal

CentreId	MetricTable	QMetric	Illegal	Legal	Total	Metric	RunDate
MZ021	MicroDataCleaned	Starts	2	137823	137825	0	2016-05-12 15:52
MZ021	MicroDataCleaned	Transitions	0	316633	316633	0	2016-05-12 15:53
MZ021	MicroDataCleaned	Ends	137825				2016-05-12 15:53
MZ021	MicroDataCleaned	SexValues	316633				2016-05-12 15:53
MZ021	MicroDataCleaned	DoBValues	560	316073	316633	0	2016-05-12 15:53

## File Description

## Variable List

**MZ021.CMD2013.V1**

Content	Event History Events Micro Dataset
Cases	302221
Variable(s)	14
Structure	Type: Keys: ()
Version	v1: Extracted from raw dataset for public distribution
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	discrete	numeric	
V2	CountryId	CountryId	discrete	numeric	
V15	CentreId	CentreId	discrete	character	
V4	IndividualId	IndividualId	discrete	numeric	
V5	Sex	Sex	discrete	numeric	
V16	DoB	DoB	discrete	character	
V7	EventCount	EventCount	discrete	numeric	
V8	EventNr	EventNr	discrete	numeric	
V17	EventCode	EventCode	discrete	character	
V18	EventDate	EventDate	discrete	character	
V19	ObservationDate	ObservationDate	discrete	character	
V12	LocationId	LocationId	discrete	numeric	
V13	MotherId	LocationId	discrete	numeric	
V14	DeliveryId	DeliveryId	discrete	numeric	



**RecNr (RecNr)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

A sequential number uniquely identifying each record in the data file

**CountryId (CountryId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

ISO 3166-1 numeric code of the country in which the surveillance site is situated

**CentreId (CentreId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: character	Invalid: 0
Width: 5	

**Description**

An identifier issued by INDEPTH to each member centre of the format CCCSS, where CCC is a sequential centre identifier and SS is a sequential identifier of the site within the centre in the case of multiple site centres

**IndividualId (IndividualId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

A number uniquely identifying all the records belonging to a specific individual in the data file. This number is not the same as the identifier used by a contributing centre to identify the individual

**Sex (Sex)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

Sex of the individual

**DoB (DoB)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: character	

**Description**

The date of birth of the individual. format: YYYY/MM/DD

**EventCount (EventCount)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

The total number of events associated with this individual in this data set

**EventNr (EventNr)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

A Number increasing from 1 to EventCount for each event record in order of event occurrence

**EventCode (EventCode)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: character	Invalid: 0
Width: 3	

**Description**

A code identifying the type of event that has occurred.

**EventDate (EventDate)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 302221
Format: character	

**Description**

The date on which the event occurred. Format: YYYY/MM/DD



**ObservationDate (ObservationDate)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete

Valid cases: 301822

Format: character

**Description**

date on which the event was observed (recorded), also known as surveillance visit date. Format: YYYY/MM/DD  
 dates less than 1800

**LocationId (LocationId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete

Valid cases: 302221

Format: numeric

Invalid: 0

Decimals: 0

**Description**

unique identifier associated with a residential unit within the site and is the location where the individual was or became resident when the event occurred. This identifier is not the same as the identifier used internally by the contributing centre

**LocationId (MotherId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete

Valid cases: 17309

Format: numeric

Invalid: 284912

Decimals: 0

**Description**

IndividualId of the mother. Only for BIH events

**DeliveryId (DeliveryId)**

File: MZ021.CMD2013.V1

**Overview**

Type: Discrete

Valid cases: 17309

Format: numeric

Invalid: 284912

Decimals: 0

**Description**

The RecNr of the delivery event associated with this birth

