

Mozambique - Chokwe Health Research and Training Centre INDEPTH Core Dataset 2010-2016 (Release 2019)

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Institute Of Health, Mozambique**

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

Overview

Identification

ID NUMBER

INDEPTH.MZ021.CMD2016.v1

Version

VERSION DESCRIPTION

MZ021.CMD2016.v2: Edited dataset for public distribution

PRODUCTION DATE

2019-06-23

Overview

ABSTRACT

The Chókwè Health And Demographic Surveillance System (Chókwè HDSS), is a core research platform of Chókwè Health and Research Centre, affiliated to National Institute of Health, Ministry of Health, Mozambique. The centre is located in Chókwè District, Gaza Province, southern Mozambique., about 230 Km north of the capital Maputo, on the flood plain of the Limpopo River. It was established in June 2010, to provide a platform for implementation and evaluation of clinical trials and health intervention, especially against HIV and related diseases, based on locally generated data.

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 Chókwè 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 Chókwè 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

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 & Out-migration);

3.4. Deaths

3.5. Verbal Autopsy

TOPICS

Topic	Vocabulary	URI
Demography[N01.224]	MeSH	http://www.ncbi.nlm.nih.gov/mesh
Emigration and Immigration [N01.224.625.350]	MeSH	http://www.ncbi.nlm.nih.gov/mesh
Mortality [N01.224.935.698]	MeSH	http://www.ncbi.nlm.nih.gov/mesh
Birth Rate [N01.224.935.849.500]	MeSH	http://www.ncbi.nlm.nih.gov/mesh

KEYWORDS

Migration, Fertility, Mortality

Coverage

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 Chókwe 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

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.	Chókwe Health Research and Training Center, National Institute Of Health, Mozambique

OTHER PRODUCER(S)

Name	Affiliation	Role
Juvêncio Bonzela	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Demographer
Dercio Menete	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Data Manager from April 2017
José Comé	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Data Manager upto March 2017
Didier Mugabe	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Managers of Verbal Autopsy
Celso Monjane	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Managers of Verbal Autopsy
Sofiao Major	Chókwe Health Research and Training Centre, National Institute of Health, Mozambique	Statician

FUNDING

Name	Abbreviation	Role
PEPFAR -CDC	PEPFAR -CDC	Current funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Site team		
Community leaders, CAB, Chókwe 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
Dercio Mente	DM	Chokwe Health Research and Training Centre	DDI Author
Juvencio Bonzela	JB	Chokwe Health Research and Training Centre	DDI Author
Ricardo Thompson	RT	Chokwe Health Research and Training Centre	DDI Author

DATE OF METADATA PRODUCTION

2019-06-23

DDI DOCUMENT VERSION

Version MZ021.CMD2016.v1 : Documented on 2019-06-23

DDI DOCUMENT ID

DDI.INDEPTH.MZ021.CMD2016.v1

Sampling

Sampling Procedure

This dataset covers the whole population in the surveillance area.

Deviations from Sample Design

None

Response Rate

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

Weighting

Not applicable

Questionnaires

Overview

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	2016-12-31	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.

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Data Collectors

Name	Abbreviation	Affiliation
Chókwè 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 138746 2019-06-23 20:57

MZ021 MicroDataCleaned Transitions 0 286691 286691 0. 2019-06-23 20:57

MZ021 MicroDataCleaned Ends 138746 2019-06-23 20:57

MZ021 MicroDataCleaned SexValues 286691 2019-06-23 20:57

MZ021 MicroDataCleaned DoBValues 286691 2019-06-23 20:57

File Description

Variable List

MZ021.CMD2016.v2

Content	Event History Events Micro Dataset of Chokwe Health Research and Training Centre
Cases	349919
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2016.v2: Extracted from raw dataset for public distribution
Producer	Chokwe Health Research and Training Centre
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	discrete	numeric	
V2	CountryId	CountryId	discrete	numeric	
V3	CentrelId	CentrelId	discrete	character	
V4	IndividualId	IndividualId	discrete	numeric	
V5	Sex	Sex	discrete	numeric	
V6	DoB	DoB	discrete	character	
V7	EventCount	EventCount	discrete	numeric	
V8	EventNr	EventNr	discrete	numeric	
V9	EventCode	EventCode	discrete	character	
V10	EventDate	EventDate	discrete	character	
V11	ObservationDate	ObservationDate	discrete	character	
V12	LocationId	LocationId	discrete	numeric	
V13	MotherId	LocationId	discrete	numeric	
V14	DeliveryId	DeliveryId	discrete	numeric	

RecNr (RecNr)

File: MZ021.CMD2016.v2

Overview

Type: Discrete	Valid cases: 349919
Format: numeric	Invalid: 0
Decimals: 0	

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: MZ021.CMD2016.v2

Overview

Type: Discrete	Valid cases: 349919
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.CMD2016.v2

Overview

Type: Discrete	Valid cases: 349919
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.CMD2016.v2

Overview

Type: Discrete	Valid cases: 349919
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.CMD2016.v2

Overview

Type: Discrete	Valid cases: 349919
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex (Sex)

File: MZ021.CMD2016.v2

Sex of the individual

DoB (DoB)

File: MZ021.CMD2016.v2

Overview

Type: Discrete

Format: character

Valid cases: 349919

Minimum: NaN

Maximum: NaN

Description

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

EventCount (EventCount)

File: MZ021.CMD2016.v2

Overview

Type: Discrete

Format: numeric

Decimals: 0

Valid cases: 349919

Invalid: 0

Description

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

EventNr (EventNr)

File: MZ021.CMD2016.v2

Overview

Type: Discrete

Format: numeric

Decimals: 0

Valid cases: 349919

Invalid: 0

Description

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

EventCode (EventCode)

File: MZ021.CMD2016.v2

Overview

Type: Discrete

Format: character

Width: 3

Valid cases: 349919

Invalid: 0

Description

A code identifying the type of event that has occurred.

EventDate (EventDate)

File: MZ021.CMD2016.v2

Overview

EventDate (EventDate)

File: MZ021.CMD2016.v2

Type: Discrete
Format: characterValid cases: 349919
Minimum: NaN
Maximum: NaN**Description**

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

ObservationDate (ObservationDate)

File: MZ021.CMD2016.v2

OverviewType: Discrete
Format: characterValid cases: 349919
Minimum: NaN
Maximum: NaN**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.CMD2016.v2

OverviewType: Discrete
Format: numeric
Decimals: 0Valid cases: 349919
Invalid: 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.CMD2016.v2

OverviewType: Discrete
Format: numeric
Decimals: 0Valid cases: 32605
Invalid: 317314**Description**

IndividualId of the mother. Only for BIH events

DeliveryId (DeliveryId)

File: MZ021.CMD2016.v2

OverviewType: Discrete
Format: numeric
Decimals: 0Valid cases: 32605
Invalid: 317314**Description**

The RecNr of the delivery event associated with this birth

