

Côte D'Ivoire - Taabo HDSS INDEPTH Core Dataset 2009-2016 (Release 2018)

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

Overview

Identification

ID NUMBER
INDEPTH.CI011.CMD2016.v1

Version

VERSION DESCRIPTION
CI011.CMD2016.v1

PRODUCTION DATE
2018-05-25

NOTES
Developped during iSHARE2 Refresher workshop May 2018

Overview

ABSTRACT

The Taabo Health and Demographic Surveillance System (HDSS) is located in south-central Côte d'Ivoire, approximately 150km north-west of Abidjan. The Taabo HDSS started surveillance activities in early 2009 and the man-made Lake Taabo is a key eco-epidemiological feature. Since inception, there has been a strong interest in research and integrated control of water-associated diseases such as schistosomiasis and malaria. The Taabo HDSS has generated setting-specific evidence on the impact of targeted interventions against malaria, schistosomiasis and other neglected tropical diseases. The Taabo HDSS consists of a small town, 13 villages and over 100 hamlets. At the end of 2013, a total population of 42 480 inhabitants drawn from 6707 households was under surveillance. Verbal autopsies have been conducted to determine causes of death. Repeated cross-sectional epidemiological surveys on approximately 5-7% of the population and specific, layered-on haematological, parasitological and questionnaire surveys have been conducted. The Taabo HDSS provides a database for surveys, facilitates interdisciplinary research, as well as surveillance, and provides a platform for the evaluation of health interventions.

KIND OF DATA
Event history data

UNITS OF ANALYSIS
Individual

Scope

NOTES
The attribute are:

Individuals: IndividualID, LocationID, Individual Sex and Date of Birth

EventDate for the event that are occured like date of Birth, Death, Immigration, Outmigration

EventCode like Birth, Death, Immigration, Outmigration

Deliveries: MotherID, the identifier of the mother of individual

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

Population, Migration, Mortality, Fertility

Coverage

GEOGRAPHIC COVERAGE

The HDSS of Taabo is in rural area and it is located in Center of country . It cover approximately 750Km².

UNIVERSE

All individuals resident of the HDSS.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
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OTHER PRODUCER(S)

Name	Affiliation	Role
Laubet Martial	CSRS	Data Manager
Baikoro Nahoua	CSRS	Data Manager
Kone Siaka	CSRS	Statistician HDSS
KONÉ INZA	CSRS	Directeur général Adjoint

FUNDING

Name	Abbreviation	Role
Centre Suisse de Recherches Scientifiques	CSRS	Fund all health project
FAIRMED	FAIRMED	Fund all health project
Swiss TPH	Swiss TPH	Fund all health project

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Population of The Taabo Health and Demographic Surveillance System (HDSS)		

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
iSHARE2 Technical Team	isTT	INDEPTH Network	Technical Support
INDEPTH NETWORK	int.indepth	INDEPTH	agency
Baikoro Nahoua	THDSS	CSRS	DDI Author

DATE OF METADATA PRODUCTION
2018-07-10

DDI DOCUMENT VERSION
DDI.INDEPTH.CI011.CMD2016.v1: 2018-07-10

DDI DOCUMENT ID
DDI.INDEPTH.CI011.CMD2016.v1

Sampling

Sampling Procedure

Not Applicable

Deviations from Sample Design

None

Response Rate

2009 100%
2010 100%
2011 100%
2012 100%
2013 100%
2014 100%
2015 100%
2016 100%

Weighting

Not Applicable

Questionnaires

Overview

the questionnaire used to collect the social and demographic data

- In-Migration paper
- Out-Migration paper
- Pregnancy paper
- Issue and morbidity of pregnancy Paper
- Death Paper
- Entry and Exit Provisional paper
- New member paper
- New Household Paper
- Counting paper
- Internal migration paper
- External migration paper
- Remark paper
- Changing of head household paper
- Proposition of Changing of head household paper
- Autopsy Verbal paper

Data Collection

Data Collection Dates

Start	End	Cycle
2009-01-01	2016-12-31	Release Coverage

Time Periods

Start	End	Cycle
2009-01-20		ROUND 0
2009-06-15		ROUND 1
2009-11-17		ROUND 2
2010-02-23		ROUND 3
2010-07-05		ROUND 4
2010-10-17		ROUND 5
2011-02-25		ROUND 6
2011-08-05		ROUND 7
2012-01-20		ROUND 8
2012-07-10		ROUND 9
2012-11-02		ROUND 10
2013-02-19		ROUND 11
2013-07-01		ROUND 12
2014-02-03		ROUND 13
2014-07-01		ROUND 14
2015-02-03		ROUND 15

Data Collection Mode

Proxy Respondent [proxy]

Data Collection Notes

In average the duration of interview is one hour. But it depends on each family size.

The language which is used are local language ethnic, french, english and movement language for muffled person

The data collector is composed by:

- A Leader of Station
- A Administrative and Financial Assistant
- A Data Manager
- A Manager of all person who collect data (Supervisor and Data Collector)
- One Supervisor of Data operator
- Three Data operators
- Four Supervisors of Data Collector
- Twelve Data Collectors
- Two Supervisors of Event (Migration and Verbal Autopsy)

Questionnaires

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- Internal migration paper
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- Changing of head household paper
- Proposition of Changing of head household paper
- Autopsy Verbal paper

Data Collectors

Name	Abbreviation	Affiliation
Taabo HDSS	THDSS	CSRS

Supervision

The supervisor is responsible for the performance of the hearing officer he had under his direction. So it must verify the accuracy of the number of households to investigate by the interviewer during the round of surveillance. Then in agreement with data collector one supervisor defines a work schedule. In this schedule there is the minimum number of household to visit per day, days of recovery completed questionnaires on work days with supervisors migration and verbal autopsies. This planning must necessarily be respected. So during the first week of the round the supervisor will accompany the data collector in households to ensure that it controls the variability of concepts and performs correctly filling out questionnaires. This work strategy is called assisted surveys. Also scheduled day will recover supervisors completed questionnaires, will correct them on the spot, the codify and convey them on the site for HDSS second verification and entry. Also few weeks, that is to say 2-3 weeks, they will conduct investigations against 3 to 5% of households selected randomly by the IT department, depending on the size of households in each enumeration district.

Data Processing

Other Processing

The HDSS Taabo uses exactly 15 types of constant questionnaires for each round. Each of these questionnaires is embodied within what is referred to as "DSS Manager" on the input platform. The design of this input platform was conducted using the software version of WINDEV 15. It is also used to update the terms and variables to update during the surveillance round. However editing the main questionnaire that is to say "household notebook" is from the "Microsoft Access" package.

At the end of the data processing so after clean the various fallacies of each data table, tables will be created. These new tables will be created by the merger of the main namely in migration, outmigration, death, birth and pregnancy. The result of these mergers is the complete list of households and the names of those responsible households, the list of women with a pregnancy and the list of households without GPS coordinates.

As for document control, it is manual and is the exclusive concern of field workers. Indeed IT puts the individual at their disposal tools and materials to start monitoring them and are responsible for thoroughly checking for all documents in their possession. Then identify errors that may have during conception or during printing.

Three days after the start of field surveys, the first questionnaires will be filed in the near field manager for verification and presence of all related records used in each questionnaire. This verification will be carried out through sheets of controls developed for this purpose. Following deposits questionnaires to the field manager, it will carry out a second check of each questionnaire, a check fallacy or omissions. It will transmit the duly verified questionnaires entry through the supervisor seizure operations. A third check will be made and the entry will begin. However filters and controls implemented at the entry platform to allow three data entry operators to capture the maximum of errors that have escaped the manual checks.

When during the seizure of the information is not updated by the data entry operators, such information will be directly caught by the manager of the database with SQL server. The procedure is the same for update information whose columns are not accessible to operators. These procedures are also primary data processing techniques to improve the quality of data entered in full entry data.

Data Appraisal

Estimates of Sampling Error

Not Applicable

Other forms of Data Appraisal

CentreId MetricTable QMetric Illegal Legal Total Metric RunDate

CI011 MicroDataCleaned Starts 86408 2018-05-25 09:27

CI011 MicroDataCleaned Transitions 2 180139 180141 0. 2018-05-25 09:28

CI011 MicroDataCleaned Ends 86408 2018-05-25 09:28

CI011 MicroDataCleaned SexValues 180141 2018-05-25 09:28

CI011 MicroDataCleaned DoBValues 180141 2018-05-25 09:28

File Description

Variable List

CI011.CMD2016.v1

Content	This file contains event history data for Taabo HDSS
Cases	218605
Variable(s)	14
Structure	Type: Keys: ()
Version	CI011.CMD2016.v1
Producer	Taabo HDSS
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	contin	numeric	
V2	CountryId	CountryId	discrete	numeric	
V3	CentrelId	CentrelId	discrete	character	
V4	IndividualId	IndividualId	contin	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	contin	numeric	
V13	MotherId	MotherId	contin	numeric	
V14	DeliveryId	DeliveryId	contin	numeric	

RecNr (RecNr)

File: CI011.CMD2016.v1

Overview

Type: Continuous	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-138262	Maximum: 218605
	Mean: 109303
	Standard deviation: 63106

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	
Range: 384-384	

Description

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

CentreId (CentreId)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: character	Invalid: 0
Width: 5	

Description

An identifier issued by INDEPTH to each member centre of the format CCNNNS, Where CCNNNS is the INDEPTH Member site code, constructed as follows:

- CC the ISO 3166-1 alpha-2 code of the country where the site is situated
- NN is a sequential number uniquely identifying an INDEPTH member centre within the country. Starting with 01 to 99, for a maximum of 99 centres per country
- S is a sequential character uniquely identifying the geographical surveillance site. Starting with 1 to 9, thereafter A to Z, for a maximum of 35 sites per centre.

IndividualId (IndividualId)

File: CI011.CMD2016.v1

Overview

Type: Continuous	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-65924	Maximum: 86670
	Mean: 43321.4
	Standard deviation: 25034.3

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 be identify the individual

Sex (Sex)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex of the individual

- 0 - Unknown
- 1 - Male
- 2 - Female

DoB (DoB)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: character	Minimum: NaN
	Maximum: NaN

Description

The date of birth of the individual Format YYYY-MM-DD

EventCount (EventCount)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	
Range: 2-6	

Description

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

EventNr (EventNr)

File: CI011.CMD2016.v1

Overview

Type: Discrete	Valid cases: 218605
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-6	

Description

A number increasing from 1 to EventCount for each event record in order of event occurred

EventCode (EventCode)

File: CI011.CMD2016.v1

Overview

EventCode (EventCode)

File: CI011.CMD2016.v1

Type: Discrete
Format: character
Width: 3

Valid cases: 218605
Invalid: 0

Description

A code which identifies the type of event that has occurred

EventDate (EventDate)

File: CI011.CMD2016.v1

Overview

Type: Discrete
Format: character

Valid cases: 218605
Minimum: NaN
Maximum: NaN

Description

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

ObservationDate (ObservationDate)

File: CI011.CMD2016.v1

Overview

Type: Discrete
Format: character

Valid cases: 192483
Minimum: NaN
Maximum: NaN

Description

Date on which the event was observed (recorded), also known as surveillance visit date Format YYYY-MM-DD

LocationId (LocationId)

File: CI011.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 1-9029

Valid cases: 218605
Invalid: 0
Minimum: 1
Maximum: 12679
Mean: 6313.8
Standard deviation: 3660.9

Description

Unique identifier associated with a residence 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

MotherId (MotherId)

File: CI011.CMD2016.v1

Overview

MotherId (MotherId)

File: CI011.CMD2016.v1

Type: Continuous
Format: numeric
Decimals: 0
Range: 28-65918

Valid cases: 22620
Invalid: 195985
Minimum: 2
Maximum: 86666
Mean: 43297.9
Standard deviation: 25270.1

Description

The individual of the mother, only provided for BTH events

DeliveryId (DeliveryId)

File: CI011.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 1-6339

Valid cases: 22620
Invalid: 195985
Minimum: 1
Maximum: 12735
Mean: 6384.2
Standard deviation: 3676.6

Description

The RecNr of the delivery event associated with this birth

