

Ethiopia - Kilite Awlaelo HDSS Core Dataset 2010-2014 (Release 2017)

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Overview

Identification

ID NUMBER

INDEPTH.ET031.CMD2014.V1

Version

VERSION DESCRIPTION

CMD2014.v1: Edited dataset for public distribution

PRODUCTION DATE

2017-05-16

Overview

ABSTRACT

Tigray is one of the nine administrative regions in Ethiopia. It is comprised of seven zones, of which the Eastern zone is base for the Kiltie Awlaelo Health and Demographic Surveillance Site. The Kiltie Awlaelo HDSS includes 10 kebeles (districts) selected from Eastern zone considering agroclimatic, rural/urban and other several factors to assure representativeness. Nine of the study districts are rural and only one is from urban. The site is located 802km North of Addis Ababa, the capital of Ethiopia. The surveillance was started in 2009, with a baseline population of 65, 848 (urban 87.2% and 13.7% from rural) living in 14,454 households. The population comprises mainly of orthodox Christians (93.4%) and others like Moslems (1.6), catholic and protestant (0.08%). Among adults of 15 years and above, 29.1% are engaged in farming, 23% can students, 21.9% housewives, and 4.5% seeking for job. Regarding to educational status of the surveillance population for those aged seven and above years, 33.5% are unable to read and write, 8.5% able to read and write but had no formal schooling, 32.6% have completed primary school, 21% completed secondary school and 1.6% have completed secondary education and above. The population distribution shows it is quite youthful. Eighty four percent of the total population lives in rural areas.

The objective of this surveillance is to provide important demographic and health related indicators with international, national and local poplycy importance.

KIND OF DATA

Event history data

UNITS OF ANALYSIS

Individual

Scope

NOTES

In this surveillance socio demographic characteristics, birth, death, in migration and outmigration and marital change and their dates are continuously updated. Socio-demographic characteristics are updated once per year and events like birth, death, immigration and outmigration and marital status change are captured continuously and updated every six months.

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
Population Characteristics [N01]	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

Mortality, Fertility, Migration, Population

Coverage**GEOGRAPHIC COVERAGE**

Kilite Awlaleo Health and Demographic surveillance site has 10 kebelles(smallest administrative unit in Ethiopia). Nine of them were rural kebelles and one kebele is urban.

UNIVERSE

All residents of the HDSS

Producers and Sponsors**PRIMARY INVESTIGATOR(S)**

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FUNDING

Name	Abbreviation	Role
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Ethiopian Public Health Assocaition	EPHA	Technical Suport
Mekelle University	MU	Financial suport

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Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
ISHARE2Technical TEAM	isTT	INDEPTH Network	Techical suport
INDEPTH Network	int.indpth	INDEPTH	agency
Alemseged Aregay	KAHDSS	Mekelle University	DDI Author

DATE OF METADATA PRODUCTION

2017-05-16

DDI DOCUMENT VERSION

DDI.INDEPTH.ET031.CMD2014.V1

DDI DOCUMENT ID

DDI.INDEPTH.ET031.CMD2014.V1

Sampling

Sampling Procedure

Not Applicable

Deviations from Sample Design

None

Response Rate

Response rate in near to 100%

Weighting

Not Applicable

Questionnaires

Overview

The questionnaire include the following:

- (1) Registration
- (2) Migration:
 - (a) Inmigration (b) Outmigration
- (3) Pregnancy:
 - (a) Pregnancy Observation (b) Pregnancy Outcome
- (4) Residence
- (5) Birth
- (6) Death

Data Collection

Data Collection Dates

Start	End	Cycle
2010-01-01	2014-12-31	Release Coverage

Time Periods

Start	End	Cycle
2009-01-01		Round 1
2010-12-01		Round 2
2011-07-02		Round 3
2012-01-04		Round 4
2012-12-14		Round 5
2013-11-29		Round 6
2014-01-29		Round 7
2014-11-29		Round 8
2015-01-05	2016-05-05	N/A

Data Collection Mode

Proxy Respondent [proxy]

DATA COLLECTION NOTES

There are about 46 field staffs to collect, monitor and supervise the data collection process. Training is given to data collectors two times per year for about a week. The average time taken to complete the questionnaire is 30 minutes.

OpenHDSS is used from December 2016.

Data Collectors

Name	Abbreviation	Affiliation
KHDSS Field Data Collectors		

SUPERVISION

The role of the supervisor was to coordinate field data collection activities, including management of the field teams, supplies and equipment, finances, maps and listings, coordinate with local authorities concerning the survey plan and make arrangements for accommodation and travel. Additionally, the field supervisor assigned the work to the interviewers, spot checked work, maintained field control documents, and sent completed questionnaires and progress reports to the central office.

Data Processing

Data Editing

Data was left censored to 1 Jan 2010 to account for the start-up phase of the surveillance.

Data Appraisal

Estimates of Sampling Error

Not Applicable

Other forms of Data Appraisal

CentreId	MetricTable	QMetric	Illegal	Legal	Total	Metric	RunDate	
ET031	MicroDataCleaned	Starts	81069	2017-05-16	09:38			
ET031	MicroDataCleaned	Transitions	183204	183204	0	2017-05-16	09:38	
ET031	MicroDataCleaned	Ends	81069	2017-05-16	09:38			
ET031	MicroDataCleaned	SexValues	183204	2017-05-16	09:38			
ET031	MicroDataCleaned	DoBValues	4	183200	183204	0	2017-05-16	09:38

File Description

Variable List

ET031.CMD2014.v1

Content	Event history data of Kilite Awlaelo HDSS
Cases	206362
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2014.v1
Producer	Kilite Awlaelo 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	discrete	numeric	
V14	DeliveryId	DeliveryId	discrete	numeric	

RecNr (RecNr)

File: ET031.CMD2014.v1

Overview

Type: Continuous	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-171877	Maximum: 206362
	Mean: 103181.5
	Standard deviation: 59571.7

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	
Range: 231-231	

Description

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

CentreId (CentreId)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: character	Invalid: 0
Width: 5	

Description

An identifier issued by INDEPTH to each member centre of the format CCNNS, Where CCNNS 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: ET031.CMD2014.v1

Overview

Type: Continuous	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-77291	Maximum: 81075
	Mean: 40529.4
	Standard deviation: 23429.2

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: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex of the individual

DoB (DoB)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206360
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

EventCount (EventCount)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	
Range: 2-9	

Description

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

EventNr (EventNr)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-9	

Description

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

EventCode (EventCode)

File: ET031.CMD2014.v1

Overview

Type: Discrete	Valid cases: 206362
Format: character	Invalid: 0
Width: 3	

Description

EventCode (EventCode)

File: ET031.CMD2014.v1

A code which identifies the type of event that has occurred

BTH - Birth

ENU - Enumeration

IMG - In-migration

OMG - Out-Migration

EXT - Location Exit

ENT - Location Entry

DTH - Death

DLV - Delivery

OBE - Observation End

OBL - Last Observation

OBS - Observation

EventDate (EventDate)

File: ET031.CMD2014.v1

Overview

Type: Discrete

Format: character

Valid cases: 206362

Minimum: NaN

Maximum: NaN

ObservationDate (ObservationDate)

File: ET031.CMD2014.v1

Overview

Type: Discrete

Format: character

Valid cases: 83237

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: ET031.CMD2014.v1

Overview

Type: Continuous

Format: numeric

Decimals: 0

Range: 1-15870

Valid cases: 206362

Invalid: 0

Minimum: 1

Maximum: 16424

Mean: 8223.4

Standard deviation: 4751

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: ET031.CMD2014.v1

Overview

MotherId (MotherId)

File: ET031.CMD2014.v1

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 14965
Invalid: 191397

Description

The individual of the mother, only provided for BTH events

DeliveryId (DeliveryId)

File: ET031.CMD2014.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 14965
Invalid: 191397

Description

The RecNr of the delivery event associated with this birth

