

Ethiopia - Kilite Awlaelo HDSS Core Dataset 2010-2011

**Fisaha Haile - Mekelle Univeristy , College of Health Sciences , Yohannes Adama -
Mekelle Univeristy , College of Health Sciences , Semaw Ferede - Mekelle
Univeristy , College of Health Sciences**

Report generated on: July 1, 2014

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

Overview

Identification

ID NUMBER

INDEPTH.ET031.CMD2011.V4

Version

VERSION DESCRIPTION

v1 First Version for internal use only

v4 Edited dataset for public distribution

PRODUCTION DATE

2014-06-05

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 chage and their dates are continously updated. Socidemographic characteristics are updated once per year and events like birth, death , inmigration and outmigration and marital staus change are captured continously and updated every six months.

TOPICS

Topic	Vocabulary	URI
Population Characteristics [N01]	MeSH	http://www.ncbi.nlm.nih.gov/mesh

KEYWORDS

KAHDSS

Coverage

GEOGRAPHIC COVERAGE

Kilte Awlealo 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)

Name	Affiliation
Fisaha Haile	Mekelle Univeristy , College of Health Sciences
Yohannes Adama	Mekelle Univeristy , College of Health Sciences
Semaw Ferede	Mekelle Univeristy , College of Health Sciences
Afewerk Mulugeta	Mekelle Univeristy , College of Health Sciences
Berhe Weldearegawi	Mekelle Univeristy , College of Health Sciences
Alemseged Aregay	Mekelle Univeristy , College of Health Sciences

FUNDING

Name	Abbreviation	Role
CDC-Ethiopia	CDC-Ethiopia	Financial and Technical suport
Ethiopian Public Health Assocaition	EPHA	Technical Suport

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
G/hiwot G/her	Mekelle Univerisity	Data Manager
G/meskel Tesfay	Mekelle Univerisity	Field Coordinator
G/micheal H/mariam	Mekelle Univerisity	Field Supervisor
Ashenafi Ashebir	Mekelle Univerisity	Field Supervisor
Netsanet Leake	Mekelle Univerisity	Data Encoder
Amet G/hiwet	Mekelle Univerisity	Data Encoder
Guesh G/her	Mekelle Univerisity	Data Encoder
Selam Minas	Mekelle Univerisity	Record Officer
Meaza G/yohhanes	Mekelle Univerisity	Data Collector
Lemlem Mengistu	Mekelle Univerisity	Data Collector
Kibrom G/Selassie	Mekelle Univerisity	Data coordinator
Bayray H/selassie	Mekelle Univerisity	Data Collector
Simret Kahsay	Mekelle Univerisity	Data Collector
Rishan Gebru	Mekelle Univerisity	Data Collector
Fitsum Tesfay	Mekelle Univerisity	Data Collector
Nigisti Mezgebe	Mekelle Univerisity	Data Collector
Mebrihit Desta	Mekelle Univerisity	Data Collector

Name	Affiliation	Role
Tsgega Nigus	Mekelle Univerisity	Data Collectors
	Mekelle Univerisity	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Kiliteawlaelo HDSS	KAHDSS	Mekelle University	Documentation of the study
ISHARE2Technical TEAM	isTT	INDEPTH Network	Technical suport
INDEPTH Network	int.indpth	INDEPTH	agency

DATE OF METADATA PRODUCTION

2014-03-07

DDI DOCUMENT VERSION

DDI.INDEPTH.ET031.CMD2011.V3

DDI DOCUMENT ID

DDI.INDEPTH.ET031.CMD2011.V3

Sampling

Response Rate

the response rate in our site is 100%.

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2009-09-20	2009-09-12	0
2009-12-10	2011-05-08	1
2011-05-09	2012-03-11	2
2012-03-12	2012-08-06	3
2012-08-07	2013-04-08	4

Time Periods

Start	End	Cycle
2010-01-01	2011-12-31	N/A

Data Collection Mode

Face-to-face [f2f]

DATA COLLECTION NOTES

There are about 28 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.

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

File Description

Variable List

ET031.CMD2011

Content

Cases 171877

Variable(s) 14

Structure Type:
Keys: ()

Version

Producer

Missing Data

Variables

ID	Name	Label	Type	Format	Question
V41	RecNr	RecNr	contin	numeric	
V42	CountryId	CountryId	discrete	numeric	
V43	CentrelId	CentrelId	discrete	character	
V44	IndividualId	IndividualId	contin	numeric	
V45	Sex	Sex	discrete	numeric	
V63	DoB	DoB	discrete	character	
V47	EventCount	EventCount	discrete	numeric	
V48	EventNr	EventNr	discrete	numeric	
V49	EventCode	EventCode	discrete	character	
V61	EventDate	EventDate	discrete	character	
V62	ObservationDate	ObservationDate	discrete	character	
V52	LocationId	LocationId	contin	numeric	
V53	MotherId	MotherId	discrete	numeric	
V54	DeliveryId	DeliveryId	discrete	numeric	

RecNr (RecNr)

File: ET031.CMD2011

Overview

Type: Continuous	Valid cases: 171877
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-171877	Maximum: 171877
	Mean: 85939
	Standard deviation: 49616.8

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: ET031.CMD2011

Overview

Type: Discrete	Valid cases: 171877
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.CMD2011

Overview

Type: Discrete	Valid cases: 171877
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.CMD2011

Overview

Type: Continuous	Valid cases: 171877
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-77291	Maximum: 77291
	Mean: 39419.5
	Standard deviation: 22550.8

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.CMD2011

Overview

Type: Discrete	Valid cases: 171877
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-2	

Description

Sex of the individual

DoB (DoB)

File: ET031.CMD2011

Overview

Type: Discrete	Valid cases: 171877
Format: character	

Description

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

EventCount (EventCount)

File: ET031.CMD2011

Overview

Type: Discrete	Valid cases: 171877
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.CMD2011

Overview

Type: Discrete	Valid cases: 171877
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.CMD2011

Overview

Type: Discrete	Valid cases: 171877
Format: character	Invalid: 0
Width: 3	

Description

EventCode (EventCode)

File: ET031.CMD2011

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.CMD2011

Overview

Type: Discrete

Valid cases: 171877

Format: character

ObservationDate (ObservationDate)

File: ET031.CMD2011

Overview

Type: Discrete

Valid cases: 171872

Format: character

Description

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

LocationId (LocationId)

File: ET031.CMD2011

Overview

Type: Continuous

Valid cases: 171873

Format: numeric

Invalid: 4

Decimals: 0

Minimum: 1

Range: 1-15870

Maximum: 15870

Mean: 7581.9

Standard deviation: 4413.1

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.CMD2011

Overview

Type: Discrete

Valid cases: 0

Format: numeric

Invalid: 171877

Decimals: 0

Description

MotherId (MotherId)

File: ET031.CMD2011

The individual of the mother, only provided for BTH events

DeliveryId (DeliveryId)

File: ET031.CMD2011

Overview

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 0
Invalid: 171877

Description

The RecNr of the delivery event associated with this birth

