

Ethiopia - Arba Minch HDSS INDEPTH Core Dataset 2010-2015 (Release 2018)

Gistane Ayele - Arba Minch University
Befikadu Tariku (untill 2017) - Arba Minch University

Report generated on: July 1, 2018

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

Overview

Identification

ID NUMBER
INDEPTH.ET061.CMD2015.v1

Version

VERSION DESCRIPTION
CMD2015.v1: Edited dataset for public distribution

PRODUCTION DATE
2018-06-14

Overview

ABSTRACT

Arba Minch HDSS operates in nine Kebeles (the smallest administrative unit in Ethiopia) of the Arba Minch Zuria district starting from 2009 (the district has 31 Kebeles). One of the Kebeles is urban and the remaining eight are rural. Census was conducted in 2009 updating has been conducted every 6 months (biannually). During each round, the site collects information related to births, deaths, marriages and migrations (Core data of the site).

The main objective of the site is to monitor basic vital events indicators and generate relevant health, demographic and socioeconomic information for policies and programs. In addition, the site will support graduate and post graduate level research undertakings and conduct molecular to population level collaborative research with local and international stakeholders. Mortality has been measured using WHO Verbal autopsy questionnaire (2007 and 2012 WHO-VA questionnaire) and cause of death are examined. Use of WHO-VA questionnaire 2012 model was started from September 2014. Another basic objective is to study changes in marriage and fertility patterns, household, family and kinship. During the census, there were 63,276 (49.46% female) individuals in the Kebeles of the site living in 12,907 households.

KIND OF DATA
Event history data

UNITS OF ANALYSIS
Individual

Scope

NOTES

The scope of the Multiple Indicator Cluster Survey includes:

- HOUSEHOLD: Household listing, education,
- MIGRATION: In and out migration, within site movement,
- PREGNANCY OBSERVATION: Tetanus toxoid, ANC service utilization, bednet utilization, previous pregnancy outcome
- PREGNANCY OUTCOME: tetanus toxoid, place of pregnancy outcome, ANC Utilization,
- BIRTH: Children's characteristics, birth registration, immunization,
- MARITAL STATUS CHANGE OF FEMALES: Women's characteristics, marriage, polygyny

- DEATH: Place of death, cause of death

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

Mortality, Fertility, Migration

Coverage

GEOGRAPHIC COVERAGE

Demographic Surveillance area situated in Southern Nations, Nationalities and Peoples Region (SNNPR) of Ethiopia, which is located to the south part of the country.

UNIVERSE

The demographic surveillance covered currently resident household members of all Kebeles (small administrative units in Ethiopia).

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Gistane Ayele	Arba Minch University
Befikadu Tariku (until 2017)	Arba Minch University

OTHER PRODUCER(S)

Name	Affiliation	Role
Alazar Baharu	Arba Minch University	Data Manager
Amsalu Gujo	Arba Minch University	Assistant Data Manager
Behailu Merdekios	Arba Minch University	PI
Mekdes Kondale	Arba Minch University	PI
Tsegaye Tsalla	Arba Minch University	PI
Mesfin Kote	Arba Minch University	PI
Gistane Ayele	Arba Minch University	PI
Zerihun Zerdo	Arba Minch University	PI

FUNDING

Name	Abbreviation	Role
CDC Ethiopia	CDC	Current funder
Ethiopian Public Health Association	EPHA	Current funder
Arba Minch University	AMU	Current funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Girma Temam	Arba Minch University	former site leader
Nega Chufamo	Arba Minch University	former site leader
Bereket Tefera	Arba Minch University	former site leader
Tayue Tateke	Arba Minch University	former site leader
Population of Arba Minch		

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
Alazar Baharu	AB	ET061	DDI author

DATE OF METADATA PRODUCTION

2018-06-14

DDI DOCUMENT VERSION

Version CMD2015.v1: (June 2018)

DDI DOCUMENT ID

DDI.INDEPTH.ET061.CMD2015.v1

Sampling

Sampling Procedure

This dataset is not based on a sample but contains information from the complete demographic surveillance area.

Deviations from Sample Design

Not Applicable

Response Rate

The response rate for the site is 100%.

Year Response Rate

2009 100%

2010 100%

2011 100%

2012 100%

2013 100%

2014 100%

2015 100%

2016 100%

Weighting

Not applicable

Questionnaires

Overview

List of Questionnaires

Household register
Pregnancy Outcome
pregnancy Observation
In migration
Out Migration
Death
Marital Change

Data Collection

Data Collection Dates

Start	End	Cycle
2010-01-01	2015-12-31	Release coverage

Time Periods

Start	End	Cycle
2009-08-01		Census
2010-04-01		Round 1
2011-02-08		Round 2
2011-09-12		Round 3
2012-05-13		Round 4
2012-11-19		Round 5
2013-04-18		Round 6
2013-09-15		Round 7
2014-06-25		Round 8
2015-02-08		Round 9
2015-09-11		Round 10
2016-09-11		Round 11

Data Collection Mode

Proxy Respondent [proxy]

Data Collection Notes

During the beginning of the census and each round, data collectors has been trained on the data collection tools and data collection procedure. On average, the data collection takes 20min for each households. At the end of each fiscal year of Ethiopia, the community leader have been briefed the finding of the results. There are 21 data collectors and 5 supervisors for the site. Each week they bring the data to their supervisors. The supervisors bring the data to the centre every 15 days. During update rounds, data collectors register new family members and households, pregnancy observation and outcome, death, in and out migrants, marital change for females, and any individuals missed in the baseline data and new houses. All data collection materials (questionnaires) were translated to Amharic language.

Questionnaires

List of Questioannir

Household register
 Pregnancy Outcome
 pregnancy Observation
 In migration
 Out Migration
 Death
 Marital Change

Data Collectors

Name	Abbreviation	Affiliation
Arba Minch HDSS	ET061	Arba Minch University

Supervision

There are five supervisors for the data collection process. By random selection of the households, field supervisors and research team members supervise 10% and 1%, respectively, of the households' data collected within each round by re-interviewing. Once per 2-3 week, field supervisors with the data collectors together to see the data collection process.

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

ET061 MicroDataCleaned Starts 109530 2018-06-14 11:41

ET061 MicroDataCleaned Transitions 0 262547 262547 0. 2018-06-14 11:41

ET061 MicroDataCleaned Ends 109530 2018-06-14 11:41

ET061 MicroDataCleaned SexValues 262547 2018-06-14 11:41

ET061 MicroDataCleaned DoBValues 10 262537 262547 0. 2018-06-14 11:41

File Description

Variable List

ET061.CMD2015.v2

Content	Event History Micro Data Set of Arba Minch HDSS
Cases	242197
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2015.v2
Producer	Arba Minch HDSS
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	discrete	numeric	
V2	CountryId	CountryId	discrete	numeric	
V3	CenterId	CenterId	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	MotherId	discrete	numeric	
V14	DeliveryId	DeliveryId	discrete	numeric	

RecNr (RecNr)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: numeric	Invalid: 0
Decimals: 0	

Description

A Sequential number uniquely identifying each record and in the data file

CountryId (CountryId)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: numeric	Invalid: 0
Decimals: 0	

Description

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

CenterId (CenterId)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: character	Invalid: 0
Width: 5	

Description

An identifier 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: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: numeric	Invalid: 0
Decimals: 0	

Description

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

Sex (Sex)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex (Sex)

File: ET061.CMD2015.v2

Sex of Individual.

DoB (DoB)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242188
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

EventCount (EventCount)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: numeric	Invalid: 0
Decimals: 0	

Description

The total number of events associated with this individual in the dataset.

EventNr (EventNr)

File: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
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: ET061.CMD2015.v2

Overview

Type: Discrete	Valid cases: 242197
Format: character	Invalid: 0
Width: 3	

Description

A code identifying the type of event that has occurred.

EventDate (EventDate)

File: ET061.CMD2015.v2

Overview

EventDate (EventDate)

File: ET061.CMD2015.v2

Type: Discrete
Format: character

Valid cases: 242197
Minimum: NaN
Maximum: NaN

Description

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

ObservationDate (ObservationDate)

File: ET061.CMD2015.v2

Overview

Type: Discrete
Format: character

Valid cases: 218780
Minimum: NaN
Maximum: NaN

Description

Date on which the event was observed (recorded), also known as surveillance visit date. Formate: YYYY/MM/DD

Dates less than 1800/01/01 are missing values

LocationId (LocationId)

File: ET061.CMD2015.v2

Overview

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 242179
Invalid: 18

Description

Unique identifier associated with a residential unit within the site and is the location where the individual was or become resident when the event occurred. this identifier is not the same as the identifier used internally by the contribution centre.

MotherId (MotherId)

File: ET061.CMD2015.v2

Overview

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 23416
Invalid: 218781

Description

IndividualId of the mother. Ony provided for BTH events.

DeliveryId (DeliveryId)

File: ET061.CMD2015.v2

Overview

Type: Discrete
Format: numeric
Decimals: 0

Valid cases: 23416
Invalid: 218781

Description

The RecNr of the delivery event associated with this birth.

