

# Uganda - Iganga/Mayuge INDEPTH Core Dataset 2005-2012 (Residents only) Release 2015

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Report generated on: July 27, 2015

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

## Overview

### Identification

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**ID NUMBER**

INDEPTH.UG011.CMD2012.v3

### Version

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**VERSION DESCRIPTION**

CMD2012.V1: Initial version for internal use

CMD2012.V2: Edited version for internal use

CMD2012.V3: Edited dataset for public distribution

**PRODUCTION DATE**

2015-06-12

### Overview

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**ABSTRACT**

Iganga /Mayuge DSS in Uganda, was established in August 2004. It is located in the eastern part of the country 115km from Kampala the capital city. According to results from end of round 13 which was conducted between may-August 2012, the DSS has a population of about 79,000 people, about 61% living in rural and 39% peri-urban areas. Data for update rounds is collected 2 times in a year. The Iganga/Mayuge DSS is using paper based protocol of data collection but is gradually changing to use of tablets.

The core demographic events covered are Migrations, Birth Death and Verbal Autopsy. Other modules collected are Pregnancy, Education and Socio-economic status.

**Objectives**

1. Capacity Building: To develop operational research capacity for Makerere University staff and graduate students
2. Monitoring and Evaluation: To provide a platform for high quality household survey data for operational field trials of health, agriculture, socio-economic, veterinary and technological interventions in rural and peri urban populations;
3. Services: To contribute to the development of the new sentinel Surveillance system by providing unique, essential, household level information individually tailored for policy, planning and research needs.

**Priority Research Areas**

Health, research by Masters & PhD students from Agriculture, technology/water, social science faculties is also conducted

**KIND OF DATA**

Event history data

**UNITS OF ANALYSIS**

Individual

### Scope

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**NOTES**

This study represents a portion of the total data associated with the complete Iganga/Mayuge surveillance as described in the study abstract.

It specifically only includes the events defining the resident exposure of individuals under surveillance as well as delivery events of resident women. Each type of event contains minimal attributes describing the event.

Attributes common to each event:

Event type,

Event Date,

Observation date

Migration

Origin & Destination

Delivery:

live born and still born counts

## TOPICS

Topic	Vocabulary	URI
Demography [N01.224]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Age Distribution [N01.224.033]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Sex Distribution [N01.224.803]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Vital Statistics [N01.224.935]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Life Expectancy [N01.224.935.464]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Mortality [N01.224.935.698]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Rural Population [N01.600.725]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Educational Status [N01.824.196]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Emigration and Immigration [N01.224.625.350]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Residential Mobility [N01.224.791.700]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Birth Rate [N01.224.935.849.500]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>
Maternal Age [N06.850.490.250.550]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/mesh">http://www.ncbi.nlm.nih.gov/mesh</a>

## Coverage

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### GEOGRAPHIC COVERAGE

The Iganga/mayuge Hdss is located astride the two eastern districts of Iganga and Mayuge which is about 120 kilometres or two and half hour drive east from kampala, capital city of uganda along uganda-kenya high way.

### UNIVERSE

Resident household members of households resident within the demographic surveillance area. Inmigrants are defined by intention to become resident, but actual residence episodes of less than 90 days are censored. Outmigrants are defined by intention to become residents elsewhere, but actual periods of non-residence less than 90 days are censored. Children born to resident women are considered residents by default, irrespective of actual place of birth.

The dataset contains the events of all individuals ever resident during the study period (Jan 2005-31 Dec 2012)

## Producers and Sponsors

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### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Prof Wabwire Mangeni	Chair steering committee and current site leader Iganga/Mayuge HDSS
Edward Galiwango	site coordinator
Judith Nanyonga	Field manager
Valerie Tusubira	Data manager

**OTHER PRODUCER(S)**

Name	Affiliation	Role

**FUNDING**

Name	Abbreviation	Role
Swedish international Development cooperation Agency	Sida	current funder

**OTHER ACKNOWLEDGEMENTS**

Name	Affiliation	Role
Iganga and Mayuge districts	Districts	

## Metadata Production

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**METADATA PRODUCED BY**

Name	Abbreviation	Affiliation	Role
iSHARE2 Technical Team	iS2TT	INDEPTH Network	Documentation of the study
INDEPTH Network	int.indepth	INDEPTH Network	agency
Noah Kasunumba	NK	UG011	DDI author

**DATE OF METADATA PRODUCTION**

2015-07-27

**DDI DOCUMENT VERSION**

Version 1 (November 2014)

Version 2 (January 2015)

Version 3(June2015)

Version4 (July 2015)

**DDI DOCUMENT ID**

DDI.INDEPTH.UG011.CMD2012.v4

## Sampling

### Sampling Procedure

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The dataset is not based on a sample but contains information from the complete demographic surveillance area. The number of house holds in the HDSS have been varying since 2005 because of inmigrants or entrants who establish new home steads in the HDSS

Year number of house holds

2005 11742  
2006 11904  
2007 12153  
2008 12522  
2009 12729  
2010 13334  
2011 14251  
2012 14960

### Deviations from Sample Design

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None

### Response Rate

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on average since the base line round, the response rate in the peri-urban setting has been 97%. 2.5% being not found at home and 0.5% being refusals. In the rural setting, the response rate has been 99% with 1% being not found at homes. The refusal rate in the rural setting is almost negligible. In both cases, follow ups are always made to reduce this non-reponse rate as much as possible.

### Weighting

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Not applicable

# Questionnaires

## Overview

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we have the following list of questionnaires used

house hold registration form  
used to update the residency status of current residents.

Individual form  
records basi information of individuals new to the dss

individual information form  
records extensive individual information about individuals including education, marital status of individual

death  
records information about deaths

pregnancy registration form  
registers pregnancies

Pregnancy outcome  
used to get information about birth

in and out migration forms

exit and entry forms

social economic form

Immunisation form

Injury form for collecting information on injuries

These questionnaires wre developed in english and each form is transilated in the local language, for each question in english there is a corresponding local language question.

## Data Collection

### Data Collection Dates

Start	End	Cycle
2004-04-01	2005-08-26	Baseline
2006-01-16	2006-08-25	Round 1
2006-09-11	2006-12-20	Round 2
2007-02-12	2007-07-20	Round 3
2008-04-07	2008-09-10	Round 4
2008-10-06	2009-03-31	Round 5
2009-04-01	2009-06-29	Round 6
2009-07-01	2009-12-17	Round 7
2010-01-01	2010-06-28	Round 8
2010-08-05	2011-01-31	Round 9
2011-02-07	2011-06-06	Round 10
2011-08-01	2011-11-15	Round 11
2012-01-05	2012-04-30	Round 12
2012-06-01	2012-11-30	Round 13

### Time Periods

Start	End	Cycle
2004-04-01		release coverage

### Data Collection Mode

Proxy Respondent [proxy]

#### DATA COLLECTION NOTES

Enumerators were trained immediately prior to the baseline data collection and then refresher trainings were conducted for one week between each surveillance round.

New field workers received a standard 6 week training course prior to appointment as data collectors. Data entry staff received field work training in addition to training in the data entry programs.

### Data Collectors

Name	Abbreviation	Affiliation
Iganga/Mayuge Hdss	UG011	Makerere university school of public health

#### SUPERVISION

field workers operated in teams of 5-6 supervised by a team leader. Team leaders conducted supervised visits and quality control visits and reviewed field workers data collection.

# Data Processing

## Data Editing

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On data entry data consistency and plausibility were checked by 455 data validation rules at database level. If data validation failure was due to a data collection error, the questionnaire was referred back to the field for revisit and correction. If the error was due to data inconsistencies that could not be directly traced to a data collection error, the record was referred to the data quality team under the supervision of the senior database scientist. This could request further field level investigation by a team of trackers or could correct the inconsistency directly at database level.

No imputations were done on the resulting micro data set, except for:

- a. If an out-migration (OMG) event is followed by a homestead entry event (ENT) and the gap between OMG event and ENT event is greater than 180 days, the ENT event was changed to an in-migration event (IMG).
- b. If an out-migration (OMG) event is followed by a homestead entry event (ENT) and the gap between OMG event and ENT event is less than 180 days, the OMG event was changed to an homestead exit event (EXT) and the ENT event date changed to the day following the original OMG event.
- c. If a homestead exit event (EXT) is followed by an in-migration event (IMG) and the gap between the EXT event and the IMG event is greater than 180 days, the EXT event was changed to an out-migration event (OMG).
- d. If a homestead exit event (EXT) is followed by an in-migration event (IMG) and the gap between the EXT event and the IMG event is less than 180 days, the IMG event was changed to an homestead entry event (ENT) with a date equal to the day following the EXT event.
- e. If the last recorded event for an individual is homestead exit (EXT) and this event is more than 180 days prior to the end of the surveillance period, then the EXT event is changed to an out-migration event (OMG)

In the case of the village that was added (enumerated) in 2006, some individuals may have outmigrated from the original surveillance area and settled in the the new village prior to the first enumeration. Where the records of such individuals have been linked, and individual can legitimately have and outmigration event (OMG) followed by and enumeration event (ENU). In a few cases a homestead exit event (EXT) was followed by an enumeration event in these cases. In these instances the EXT events were changed to an out-migration event (OMG).

## **Data Appraisal**

### Estimates of Sampling Error

Not applicable

## File Description

# Variable List

**UG011.CMD2012.v3**

Content	Event History Micro Data Set
Cases	329790
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2012.v1
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	contin	numeric	
V2	CountryId	CountryId	discrete	numeric	
V3	CentreId	CentreId	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: UG011.CMD2012.v3

**Overview**

Type: Continuous	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-330062	Maximum: 329790
	Mean: 164895.5
	Standard deviation: 95202.3

**Description**

A sequential numbr uniquely identifying each record in the data file

**CountryId (CountryId)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	
Range: 800-800	

**Description**

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

**CentreId (CentreId)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
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 mulitple site centres

**IndividualId (IndividualId)**

File: UG011.CMD2012.v3

**Overview**

Type: Continuous	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-124526	Maximum: 124526
	Mean: 62269.1
	Standard deviation: 35949

**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 contributing centre to identify the individual.

**Sex (Sex)**

File: UG011.CMD2012.v3

**Sex (Sex)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

**Description**

sex of individual

**DoB (DoB)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: character	Minimum: NaN
	Maximum: NaN

**Description**

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

**EventCount (EventCount)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	
Range: 2-13	

**Description**

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

**EventNr (EventNr)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-13	

**Description**

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

**EventCode (EventCode)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: character	Invalid: 0
Width: 3	

**Description**

A code identifying the type of event that has occurred

**EventDate (EventDate)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 329790
Format: character	Minimum: NaN
	Maximum: NaN

**Description**

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

**ObservationDate (ObservationDate)**

File: UG011.CMD2012.v3

**Overview**

Type: Discrete	Valid cases: 253938
Format: character	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: UG011.CMD2012.v3

**Overview**

Type: Continuous	Valid cases: 171584
Format: numeric	Invalid: 158206
Decimals: 0	Minimum: 1
Range: 1-14022	Maximum: 14022
	Mean: 7003.2
	Standard deviation: 4045.4

**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 to be the same as the identifier used internally by the contributing centre

**MotherId (MotherId)**

File: UG011.CMD2012.v3

**Overview**

Type: Continuous	Valid cases: 26174
Format: numeric	Invalid: 303616
Decimals: 0	Minimum: 1
Range: 10-124526	Maximum: 124524
	Mean: 62122.7
	Standard deviation: 36113.4

**Description**

the individualid of the mother. only provided for BTH events.

**DeliveryId (DeliveryId)**

File: UG011.CMD2012.v3

**Overview**

## **DeliveryId (DeliveryId)**

File: UG011.CMD2012.v3

Type: Continuous  
Format: numeric  
Decimals: 0  
Range: 1-48244

Valid cases: 26174  
Invalid: 303616  
Minimum: 1  
Maximum: 48244  
Mean: 160.6  
Standard deviation: 2237.2

### **Description**

The RecNr of the delivery event associated with this birth

