Uganda - Iganga/Mayuge INDEPTH Core Dataset 2005-2016 (Release 2019)

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

Overview

Identification

ID NUMBER
INDEPTH.UG011.CMD2016.v1

Version

VERSION DESCRIPTION
CMD2016.v1: Edited dataset for public distribution

PRODUCTION DATE
2019-06-23

Overview

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

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,

Observaton date

Migration

Origin & Destination

Delivery:

live born and still born counts

TOPICS

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

KEYWORDS
Migration, Mortality, Fertility

Coverage

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 else where, 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 2016)

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Dr.Dan Kajungu	Makerere University Center for Health and Population Research

OTHER PRODUCER(S)

Name	Affiliation	Role
Edward Galiwango	Makerere University Center for Health and Population Research	SiteCordinator
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Davis Natukwatsa	Makerere University Center for Health and Population Research	Data Manager
Tryphena Nareeba	Makerere University Center for Health and Population Research	Data Manager

FUNDING

Name	Abbreviation	Role
Swedish International Development cooperation Agency	Sida	current funder

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Iganga and Mayuge districts & population		

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
Davis Natukwatsa	DN	Makerere University Center for Health and Population Research	DDI author

DATE OF METADATA PRODUCTION
2019-06-23

DDI DOCUMENT VERSION
Version: UG011.CMD2016.v1 (June 2019)

DDI DOCUMENT ID
DDI.INDEPTH.UG011.CMD2016.v1

Sampling

Sampling Procedure

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 11,742
2006 11,904
2007 12,153
2008 12,522
2009 12,729
2010 13,334
2011 14,251
2012 14,960
2013 16,204
2014 16,224
2015 17,767
2016 18,248

Deviations from Sample Design

None

Response Rate

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

Not applicable

Questionnaires

Overview

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 indivduals new to the dss

individual information form
records extensive individual information about individuals includimg 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
2005-01-01	2016-12-31	Release Coverage

Time Periods

Start	End	Cycle
2004-04-01		Baseline
2006-01-16		Round 1
2006-09-11		Round 2
2007-02-12		Round 3
2008-04-07		Round 4
2008-10-06		Round 5
2009-04-01		Round 6
2009-07-01		Round 7
2010-01-01		Round 8
2010-08-05		Round 9
2011-02-07		Round 10
2011-08-01		Round 11
2012-01-05		Round 12
2012-06-01		Round 13
2013-03-13		Round 14
2014-02-20		Round 15
2014-12-01		Round 16
2016-05-10		Round 17

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.

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Data Collectors

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

Supervision

Field workers opeerated in teams oof 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

On data entry data consistency and plausibility were checked by 455 data validation rules at database level. If data validaton 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 setlled in the the new village prior to the first enumeration. Where the records of such individuals have been linked, and indivdiual can legitmately have and outmigration event (OMG) forllowed 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

Other forms of Data Appraisal

CentreId MetricTable QMetric Illegal Legal Total Metric RunDate

UG011 MicroDataCleaned Starts 155677 2019-06-23 22:49
UG011 MicroDataCleaned Transitions 0 314294 314294 0. 2019-06-23 22:49
UG011 MicroDataCleaned Ends 155677 2019-06-23 22:49
UG011 MicroDataCleaned SexValues 314294 2019-06-23 22:49
UG011 MicroDataCleaned DoBValues 314294 2019-06-23 22:49

File Description

Variable List

UG011.CMD2016.v1

Content	Event History Micro Data Set
Cases	393457
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2016.v1
Producer	Iganga/Mayuge HDSS
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.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 1-330062

Valid cases: 393457
Invalid: 0
Minimum: 1
Maximum: 393457
Mean: 196729
Standard deviation: 113581.4

Description

A sequencial numbr uniquely identifying each record in the data file

CountryId (CountryId)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0
Range: 800-800

Valid cases: 393457
Invalid: 0

Description

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

CentreId (CentreId)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: character
Width: 5

Valid cases: 393457
Invalid: 0

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.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 1-124526

Valid cases: 393457
Invalid: 0
Minimum: 1
Maximum: 157682
Mean: 78815.9
Standard deviation: 45516.7

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.CMD2016.v1

Sex (Sex)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0
Range: 0-2

Valid cases: 393457
Invalid: 0

Description

sex of individual

DoB (DoB)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: character

Valid cases: 393457
Minimum: NaN
Maximum: NaN

Description

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

EventCount (EventCount)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0
Range: 2-13

Valid cases: 393457
Invalid: 0

Description

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

EventNr (EventNr)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0
Range: 1-13

Valid cases: 393457
Invalid: 0

Description

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

EventCode (EventCode)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: character
Width: 3

Valid cases: 393457
Invalid: 0

Description

EventCode (EventCode)
File: UG011.CMD2016.v1

A code identifying the type of event that has occured

EventDate (EventDate)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: character

Valid cases: 393457
Minimum: NaN
Maximum: NaN

Description

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

ObservationDate (ObservationDate)
File: UG011.CMD2016.v1

Overview

Type: Discrete
Format: character

Valid cases: 319627
Minimum: NaN
Maximum: NaN

Description

Date on which the event was observed 9recorded), also known as surveillance visit date. Format: YYYY/MM/DD

LocationId (LocationId)
File: UG011.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 1-14022

Valid cases: 234635
Invalid: 158822
Minimum: 1
Maximum: 16621
Mean: 8367
Standard deviation: 4795.6

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.CMD2016.v1

Overview

Type: Continuous
Format: numeric
Decimals: 0
Range: 10-124526

Valid cases: 39405
Invalid: 354052
Minimum: 2
Maximum: 157667
Mean: 79601.8
Standard deviation: 45115

Description

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

DeliveryId (DeliveryId)
File: UG011.CMD2016.v1

Overview

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

Valid cases: 39405
Invalid: 354052
Minimum: 2597
Maximum: 34620
Mean: 17634.9
Standard deviation: 8703.1

Description

The RecNr of the delivery event associated with this birth