

Burkina Faso - Nouna HDSS INDEPTH Core Dataset 1998-2015 (Release 2018)

Dr Ali SIE - Nouna HDSS, Nouna (BF031)

Report generated on: June 30, 2018

Visit our data catalog at:

<http://indepth-ishare.org.md-in-71.hostgatorwebservers.com/index.php>

Overview

Identification

ID NUMBER

INDEPTH.BF031.CMD2015.v1

Version

VERSION DESCRIPTION

CMD2015.v1: Edited dataset for public distribution

PRODUCTION DATE

2018-05-24

NOTES

CMD2015.v1

Overview

ABSTRACT

The Nouna Health Research Centre (CRSN) is one of the four research institutes of the Ministry of Health. It has been running an HDSS since 1992. The Nouna HDSS is located within the Nouna health district catchment area in northwest Burkina Faso, 300 km from the capital city, Ouagadougou. The HDSS area is characterized by a Sub-Saharan climate with a mean annual rainfall of 800mm with fairly constant average daily min. (20-28.1°C) and max temperature (29.5-37.2°C) throughout the year. Rainfall occurs from Mai-September. The region consists of "Plateaux" with gentle slopes and drained by several small semi-permanent streams. The HDSS catchment area is about 1775 Km² with the specificity of covering both rural and semi-urban areas. The population is about 90,000 residing in 11,750 households across 58 villages and Nouna town. Subsistence farming is the predominant occupation.

KIND OF DATA

Event history data

UNITS OF ANALYSIS

Individual

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

Fertility, Mortality, Migration

Coverage

GEOGRAPHIC COVERAGE

The Nouna HDSS is located within the Nouna health district catchment area in northwest Burkina Faso, 300 km from the capital city, Ouagadougou. The HDSS area is characterized by a Sub-Saharan climate with a mean annual rainfall of 800mm with fairly constant average daily min. (20-28.1°C) and max temperature (29.5-37.2°C) throughout the year. Rainfall occurs from May-September. The region consists of "Plateaux" with gentle slopes and drained by several small semi-permanent streams. The HDSS catchment area is about 1775 Km² with the specificity of covering both rural and semi-urban areas.

UNIVERSE

The Nouna HDSS covers as ~15,000 households having 105,000 residing across 58 villages and Nouna town.

The dataset contains the events of all individuals ever resident during the study period (1 Jan 1998 to 31 Dec 2015)

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Dr Ali SIE	Nouna HDSS, Nouna (BF031)

OTHER PRODUCER(S)

Name	Affiliation	Role
Cheik Hamidou Bagagnan	INDEPTH	Data Manager, Nouna HDSS
Zabré S Pascal	INDEPTH	Manager, Nouna HDSS

FUNDING

Name	Abbreviation	Role
Heidelberg University	HD	
Centre de Recherche en Sante de Nouna	CRSN	

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Kossi 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
Cheik Hamidou Bagagnan	BCH	Nouna HDSS	DDI Author

DATE OF METADATA PRODUCTION

2018-05-24

DDI DOCUMENT VERSION

Version1: 2018-05-24

DDI DOCUMENT ID

DDI.INDEPTH.BF031.CMD2015.v1

Sampling

Sampling Procedure

No sampling is done, covers entire population of the area.

Deviations from Sample Design

Not Applicable

Weighting

Not Applicable

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
1998-01-01	2015-12-31	Release Coverage

Data Collection Mode

Proxy Respondent [proxy]

Data Collectors

Name	Abbreviation	Affiliation
Fields workers		

Supervision

Fields workers collect data from the fields on hard copies. there is one superviseur for every 4 FW

Data Processing

Data Editing

Entered data undergo a data cleaning process. During the cleaning process all errors are either corrected in consultation with data QC or the forms are sent to the field for recapture of data.

Data Appraisal

Estimates of Sampling Error

Not Applicable

Other forms of Data Appraisal

CentreId MetricTable QMetric Illegal Legal Total Metric RunDate

BF031 MicroDataCleaned Starts 207119 2018-05-24 15:48

BF031 MicroDataCleaned Transitions 4 478221 478225 0. 2018-05-24 15:48

BF031 MicroDataCleaned Ends 207119 2018-05-24 15:48

BF031 MicroDataCleaned SexValues 2 478223 478225 0. 2018-05-24 15:48

BF031 MicroDataCleaned DoBValues 180 478045 478225 0. 2018-05-24 15:48

File Description

Variable List

BF031.CMD2015.v1

Content	The file contains INDEPTH Core microdataset in Event History format. the file was generate using ETL through Penthao Kettle.
Cases	584272
Variable(s)	14
Structure	Type: Keys: ()
Version	BF031.CMD2015.v1: For public distribution
Producer	Nouna 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	contin	numeric	
V14	DeliveryId	DeliveryId	discrete	numeric	

RecNr (RecNr)

File: BF031.CMD2015.v1

Overview

Type: Continuous	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-236203	Maximum: 584272
	Mean: 292136.5
	Standard deviation: 168664.9

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	
Range: 854-854	

Description

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

CentreId (CentreId)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: character	Invalid: 0
Width: 5	

Description

An identifier issued by INDEPTH to each member center of the format CCCSS, where CCC is a sequential center identifier and SS is a sequential identifier of site within the center in the case of multiple site centres

IndividualId (IndividualId)

File: BF031.CMD2015.v1

Overview

Type: Continuous	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 3-200870	Maximum: 207769
	Mean: 103993.2
	Standard deviation: 59999.8

Description

A number uniquely identify 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 center to identify the individual.

Sex (Sex)

File: BF031.CMD2015.v1

Sex (Sex)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex of the individual. 1 for Male, 2 for Female and 0 for Unknown

DoB (DoB)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

EventCount (EventCount)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	
Range: 2-12	

Description

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

EventNr (EventNr)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-12	

Description

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

EventCode (EventCode)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: character	Invalid: 0
Width: 3	

Description

EventCode (EventCode)

File: BF031.CMD2015.v1

A code identify the type of event that has occurred

EventDate (EventDate)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

ObservationDate (ObservationDate)

File: BF031.CMD2015.v1

Overview

Type: Discrete	Valid cases: 584272
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: BF031.CMD2015.v1

Overview

Type: Continuous	Valid cases: 584272
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 46426-103270	Maximum: 20965
	Mean: 10501.8
	Standard deviation: 6048.6

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 be the same as identifier used internally by the contributing centre

MotherId (MotherId)

File: BF031.CMD2015.v1

Overview

Type: Continuous	Valid cases: 89514
Format: numeric	Invalid: 494758
Decimals: 0	Minimum: 10
Range: 43-200842	Maximum: 207769
	Mean: 104115.7
	Standard deviation: 60077.5

Description

The individualID of the mother.Only provided for BTH events

DeliveryId (DeliveryId)

File: BF031.CMD2015.v1

Overview

Type: Discrete
Format: numeric
Decimals: 0
Range: 1-9

Valid cases: 89514
Invalid: 494758

Description

The RecNr of teh delivery event associated with this birth

