

# GHANA - Navrongo Health Research Centre INDEPTH Core Dataset 1993-2013 (Release 2016)

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

# Overview

## Identification

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**ID NUMBER**

INDEPTH.GH011.CMD2013.v1

## Version

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**VERSION DESCRIPTION**

V1: Edited dataset for public distribution

**PRODUCTION DATE**

2016-06-21

## Overview

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**ABSTRACT**

In July 1992, the NHDSS was established as an important platform for launching health research in the KNDs of northern Ghana. The objectives were to monitor the demographic dynamics of the population, provide sampling frame for various research studies in the Centre and to serve as a platform for monitoring and evaluating the impact of various interventions.

**KIND OF DATA**

Event history data

**UNITS OF ANALYSIS**

Individual

## Scope

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**NOTES**

The scope is a description of the datasets covered by the demographic surveillance survey. It can be viewed as a summary of the modules that are included in the various datasets.

Locaion:

Observations & Date

Individual:

Demographics

Events:

Migration (Origin and Destination) (Internal and External)

Pregnancyy

Births

Deaths

Verbal Autopsy:

Cause of Deaths

**TOPICS**

Topic	Vocabulary	URI
Demography [NO1.224]	MeSH	<a href="http://www.ncbi.nlm.nih.gov/meshw">http://www.ncbi.nlm.nih.gov/meshw</a>

**KEYWORDS**

Migration, Fertility, Mortality

## Coverage

**GEOGRAPHIC COVERAGE**

The Navrongo Health and Demographic Surveillance System (NHDSS) site is located in the Kassena-Nankana District of the Upper East region of Ghana. The district covers an area of 1675 km<sup>2</sup> along the Ghana-Burkina Faso border. It measures roughly 55 km x 50 km and has an altitude of 200-400 m above sea level. The land is fairly flat, and passing through it from Burkina Faso is the White Volta River, which feeds Lake Volta (the world's largest artificial lake) in southern Ghana. Located in the Guinea savannah belt, the district is typically Sahelian (hot and dry).

**UNIVERSE**

All resident population. The NHDSS now covers two (2) Districts, Kassena-Nankana West (KNW) and the Kassena-Nankana East Municipality (KNEM). The Micro Data set covers only the KNEM.

## Producers and Sponsors

**PRIMARY INVESTIGATOR(S)**

Name	Affiliation
Dr. Abraham ODURO	Navrongo Health Research Centre

**OTHER PRODUCER(S)**

Name	Affiliation	Role
Daneil Azongo	NHRC	Head of Fieldwork
Peter Wontuo	NHRC	Head of the Data Management Unit
Charles Manful	NHRC	Data Manager

**FUNDING**

Name	Abbreviation	Role
Navrongo Health Research Centre	NHRC	Current funder
Rockefeller Foundation		Prior funder
Population Council USA		Prior funder
Bill and Melinda Gates Foundation		Prior funder
Doris Duke Charitable Foundation		Prior funder
Wellcome Trust		Prior funder
National Institute of Health USA		Prior funder

**OTHER ACKNOWLEDGEMENTS**

Name	Affiliation	Role
The Chiefs & People of the KNDs	Residents of the Study Area	Support
Kasena Nankana District Assemblies	Government Agency	Support

## Metadata Production

**METADATA PRODUCED BY**

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
iSHARE2 Technical Team	iS2TT	INDEPTH Network	Documentation of the study
INDEPTH Network	int.indepth	INDEPTH Network	agency
Peter WONTUO	PW	Navrongo Health Research Centre	DDI Author
Dr. Abraham ODURO	DO	Navrongo Health Research Centre	DDI Co Author

**DATE OF METADATA PRODUCTION**

2016-06-30

**DDI DOCUMENT VERSION**

Version 1: 2016-05-13

Version 2: 2016-06-30

**DDI DOCUMENT ID**

DDI.NNDEPTH.GH011.CMD2013.v2

## Sampling

### Sampling Procedure

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This dataset is not based on a sample but contains information for all individuals resident in the demographic surveillance system area.

### Deviations from Sample Design

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None

### Response Rate

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100% response rates on an average over the years for all rounds

### Weighting

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Not applicable

# Questionnaires

## Overview

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Register Book:

Household Registration Book (HRB)

Event forms:

Death

Inmigration

Outmigration

Pregnancy Registration

Pregnancy Outcome List

Birth

Marriage Registration

Others:

Location Registration

Household Registration

## Data Collection

### Data Collection Dates

Start	End	Cycle
1993-07-01	2013-12-31	Release Coverage

### Time Periods

Start	End	Cycle
1993-07-01		50 (R1 to R50)
2006-01-01		9 (R51 to R59)
2009-01-01		2 (R60 to R61)
2010-01-01		18 (R62 to R79)

### Data Collection Mode

Proxy Respondent [proxy]

#### DATA COLLECTION NOTES

Routine/Round visit to all households by fieldworkers to update household census and capture all events applicable/qualified on that visit in that household using a register book and event forms.

### Data Collectors

Name	Abbreviation	Affiliation
Navrongo Health Research Centre	NHRC	Ghana Health Service

#### SUPERVISION

Field workers leave a note at where they are residing indicating where they will be working. A team from the Field Headquarters visit them at these location on schedule visit to supervise their work. Other quality control measures include re-interviews of about 2-5% households, spot checks and manual checking of completed registers and event forms.

## **Data Processing**

No content available



## Data Appraisal

### Estimates of Sampling Error

Not Applicable

### Other forms of Data Appraisal

CentreID	Metric	Table	QMetric	Illegal	Legal	Total
GH011	MicroDataCleaned	DoBValues	31584	616896	648480	
GH011	MicroDataCleaned	SexValues	31524	616956	648480	
GH011	MicroDataCleaned	Starts	18	192012	192030	
GH011	MicroDataCleaned	Transitions	0	648480	648480	
GH011	MicroDataCleaned	Ends	192030			

# File Description

# Variable List

**GH011.CMD2013.V1**

Content	Event History Micro Data Set
Cases	719021
Variable(s)	14
Structure	Type: Keys: ()
Version	v1: Extracted for public distribution
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	discrete	numeric	
V2	Countryid	Countryid	discrete	numeric	
V15	Centreid	Centreid	discrete	character	
V4	Individualid	Individualid	discrete	numeric	
V5	Sex	Sex	discrete	numeric	
V16	DoB	DoB	discrete	character	
V7	EventCount	EventCount	discrete	numeric	
V8	EventNr	EventNr	discrete	numeric	
V17	EventCode	EventCode	discrete	character	
V18	EventDate	EventDate	discrete	character	
V19	ObservationDate	ObservationDate	discrete	character	
V12	Locationid	Locationid	discrete	numeric	
V13	Motherid	Motherid	discrete	numeric	
V14	Deliveryid	Deliveryid	discrete	numeric	



**RecNr (RecNr)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

A sequential number uniquely identifying each record in the data file

**Countryid (Countryid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

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

**Centreid (Centreid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
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 multiple site centres

**Individualid (Individualid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

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

**Sex (Sex)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

Sex of individual

**DoB (DoB)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: character	

**Description**

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

**EventCount (EventCount)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

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

**EventNr (EventNr)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

A number increasingr each e from 1 to EventCount fent record in order of event occurrence

**EventCode (EventCode)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: character	Invalid: 0
Width: 3	

**Description**

A code identifying the type of event that has occurred.

**EventDate (EventDate)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: character	

**Description**

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

**ObservationDate (ObservationDate)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 551508
Format: character	

**Description**

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

date less than 1800/01/01 are missing values

**Locationid (Locationid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 719021
Format: numeric	Invalid: 0
Decimals: 0	

**Description**

Unique identifier associated with a residential unit within the site and is the location wher tindividual was or became resident when the event occured. This identifier is not the same as the idetifier used internally by the contributing centre

**Motherid (Motherid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 94327
Format: numeric	Invalid: 624694
Decimals: 0	

**Deliveryid (Deliveryid)**

File: GH011.CMD2013.V1

**Overview**

Type: Discrete	Valid cases: 94327
Format: numeric	Invalid: 624694
Decimals: 0	

**Description**

The RecNr of the delivery event associated with this birth



