

The Gambia - Farafenni INDEPTH Core Dataset 1982-2014 (Release 2017)

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Overview

Identification

ID NUMBER

INDEPTH.GM011.CMD2014.v1

Version

VERSION DESCRIPTION

CMD2014.v1: For public distribution

PRODUCTION DATE

2017-05-15

Overview

ABSTRACT

The Farafenni Health and Demographic Surveillance System (Farafenni HDSS) is located 170 km from the coast in a rural area of The Gambia, north of the River Gambia. It was set up in 1981 by the UK Medical Research Council Laboratories to generate demographic and health information required for the evaluation of a village-based, primary health care programme in 40 villages. Regular updates of demographic events and residency status have subsequently been conducted every 4 months. The surveillance area was extended in 2002 to include Farafenni Town and surrounding villages to support randomized, controlled trials. With over three decades of prospective surveillance, and through specific scientific investigations, the platform (population = 50 000) has generated data on: morbidity and mortality due to malaria in children and during pregnancy; non-communicable disease among adults; reproductive health; and levels and trends in childhood and maternal mortality. Other information routinely collected includes causes of death through verbal autopsy, and household socioeconomic indicators. The current portfolio of the platform includes tracking Millennium Development Goal 4 (MDG4) attainments in rural Gambia and cause-of-death determination.

KIND OF DATA

Event history data

UNITS OF ANALYSIS

Individual

Scope

NOTES

The scope of the Multiple Indicator Cluster Survey includes:

- HOUSEHOLD: Household characteristics, household listing, orphaned and vulnerable children, education, household use of insecticide treated mosquito nets, child disability, maternal mortality and security of tenure and durability of housing.

- WOMEN: Women's characteristics, child mortality, tetanus toxoid, maternal and newborn health, marriage, polygyny, female genital cutting, contraception, and HIV/AIDS knowledge, with optional modules for unmet need, domestic violence, and sexual behavior.

- CHILDREN: Children's characteristics, birth registration and early learning, vitamin A, breastfeeding, care of illness, malaria, immunization, and anthropometry, with an optional module for child development.

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

Topic	Vocabulary	URI
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

Migration, Fertility, Mortality, Population

Coverage

GEOGRAPHIC COVERAGE

The Farafenni HDSS is located between latitudes 13 and 14 N and longitudes 15 and 16 W, extending 32 km to the east and 22 km to the west of Farafenni. Farafenni town (2012 population 25000) is situated in the North Bank Region of The Gambia and is 170 km in-land from the capital, Banjul. The HDSS was initially made up of two clusters of villages and hamlets to the east and west of Farafenni town. Communities within a 10 km radius were excluded because the initial task of the platform was to assist in an evaluation of the impact of the village-based PHC programme on child and maternal morbidity and mortality with a particular focus on the role of malaria. The surveillance area was expanded in July 2002 to include Farafenni town and its satellite villages. This new segment was designated the urban demographic surveillance area (DSA) despite the satellite villages being very similar to the rural ones, distinguishing it from the initial surrounding clusters of rural villages

UNIVERSE

The survey covered currently all resident population.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

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FUNDING

Name	Abbreviation	Role
Medical Research Council UK	MRC	

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
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Andy Bradley	Medical Research Council Unit The Gambia (MRCG)	Former Head of Farafenni Field Station
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Name	Affiliation	Role
Peter Byass	Medical Research Council Unit The Gambia (MRCG)	Former Data Manager
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Omar Sey	AFPRC General Hospital	Former Chief Executive
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Mamadi Cham	AFPRC General Hospital	Current Chief Executive
Louie Lopyy	Medical Research Council Gambia	Former Field Supervisor

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
Bai Lamin Dondoh	BLD	Farafenni HDSS	DDI author
Momodou Jasseh	MJ	Farafenni HDSS	DDI co-author

DATE OF METADATA PRODUCTION

2017-05-15

DDI DOCUMENT VERSION

Version CMD2014.v1: 2017-05-15

DDI DOCUMENT ID

DDI.INDEPTH.GM011.CMD2014.v1

Sampling

Sampling Procedure

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

Deviations from Sample Design

None

Response Rate

On an average the response rate is around 100% over the years in all rounds

Weighting

Not applicable

Questionnaires

Overview

List of questionnaires

Household Register

Child Health Information Form

Verbal Autopsy (WHO)

Data Collection

Data Collection Dates

Start	End	Cycle
1982-01-01	2014-12-31	Release coverage

Time Periods

Start	End	Cycle
1989-04-01		Round 10-15
1995-04-01		Round 16-18
1998-02-01		Round 19
1998-07-01		Round 20-21
1999-01-01		Round 22-25
2000-01-01		Round 26-29
2001-01-01		Round 30-33
2002-01-01		Round 34-37
2003-01-01		Round 38-41
2004-01-01		Round 42-45
2005-01-01		Round 46-47
2005-07-01		Round 48-51
2006-10-01		Round 52
2007-01-01		Round 53-56
2008-01-01		Round 57-60
2009-01-01		Round 61
2010-09-01		Round 62
2011-01-01		Round 63-65
2012-01-01		Round 66-68
2013-01-01		Round 69-71
2014-01-01		Round 72-74

Data Collection Mode

Proxy Respondent [proxy]

DATA COLLECTION NOTES

The initial census was conducted in 1981 and surveillance procedures adopted between 1983 and 1989 are described in the published profile of the Farafenni HDSS. A change in data collection and management procedures in 1989 required fieldworkers to visit every compound under surveillance at least once every quarter to update the survival and residency status of every resident. Resident village reporters, volunteers recruited and trained on the recording of demographic events within their villages, keep records of births, deaths and migrations in and out of their villages.

Data Collectors

Name	Abbreviation	Affiliation
Farafenni HDSS	GM011	Medical Research Council Unit The Gambia

SUPERVISION

Fieldworkers operate in a team of 6 supervised by a Field Supervisor. The Supervisor conducts supervisory and quality control visits and reviews fieldworkers' data collection. A Field Coordinator oversees all data collection and supervision activities.

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
GM011	MicroDataCleaned	Starts	111699	2017-05-15	19:01		
GM011	MicroDataCleaned	Transitions	298762	298762	0	2017-05-15	19:01
GM011	MicroDataCleaned	Ends	111699	2017-05-15	19:02		
GM011	MicroDataCleaned	SexValues	298762	2017-05-15	19:02		
GM011	MicroDataCleaned	DoBValues	298762	2017-05-15	19:02		

File Description

Variable List

GM011.CMD2014.V1

Content	Event History Micro Data Set of Farafenni HDSS
Cases	368571
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2014.v1: Extracted from raw dataset for public distribution
Producer	Farafenni HDSS
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	RecNr	RecNr	discrete	numeric	
V2	CountryId	CountryId	discrete	numeric	
V3	CentreId	CentreId	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: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	

Description

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

CentreId (CentreId)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
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: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	

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 a contributing centre to identify the individual.

Sex (Sex)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

DoB (DoB)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

EventCount (EventCount)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	

Description

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

EventNr (EventNr)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
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: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: character	Invalid: 0
Width: 3	

Description

A code identifying the type of event that has occurred.

EventDate (EventDate)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: character	Minimum: NaN
	Maximum: NaN

Description

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

ObservationDate (ObservationDate)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 217247
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

Dates less than 1800/01/01 are missing values

LocationId (LocationId)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 368571
Format: numeric	Invalid: 0
Decimals: 0	

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 the identifier used internally by the contributing centre.

MotherId (MotherId)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 55435
Format: numeric	Invalid: 313136
Decimals: 0	

Description

IndividualId of the mother. Only provided for BTH events.

DeliveryId (DeliveryId)

File: GM011.CMD2014.V1

Overview

Type: Discrete	Valid cases: 55435
Format: numeric	Invalid: 313136
Decimals: 0	

Description

The RecNr of the delivery event associated with this birth

