

Burkina Faso, Côte d'Ivoire, Ghana, The
Gambia, Nigeria, Senegal, Ethiopia,
Kenya, Malawi, Mozambique, Tanzania,
Uganda, South Africa - Consolidated
HDSS data from 29 sub-Saharan African
Sites, 1990-2018

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

Overview

Identification

ID NUMBER

HDSS.29.SUB.SAHARAN.AFRICA.V1

Version

VERSION DESCRIPTION

V1: Edited data for public distribution

PRODUCTION DATE

2020-03-07

Overview

ABSTRACT

This dataset combines 29 HDSS data in sub-Saharan Africa to allow analysis across sites and to provide a continental prospective. Depending on the purpose of analysis, the data may be disaggregated into regions within sub-Saharan Africa or more urban sites may be analysed separately. To date this data has been used to answer the following questions:

- What is the role of having a younger or older sibling on under-five mortality? What if the sibling dies? Or they do not live together?
- What is the role of mother's presence on under-five mortality? Does the effect of her death differ to the effect of her non-residence?
- Do migrants have different risks of death than permanent residents? Does this change according to duration since migration? Does this relationship vary by age?

KIND OF DATA

Event history data

UNITS OF ANALYSIS

Individual

TOPICS

Topic	Vocabulary	URI
Demography	[N01.224]	http://www.ncbi.nlm.nih.gov/mesh
Infant Mortality	[N01.224.935.698.489]	http://www.ncbi.nlm.nih.gov/mesh
Child Mortality	[N01.224.935.698.150]	http://www.ncbi.nlm.nih.gov/mesh
Birth Intervals	[N01.224.361.150]	http://www.ncbi.nlm.nih.gov/mesh
Birth Order	[N01.224.361.160]	http://www.ncbi.nlm.nih.gov/mesh

KEYWORDS

Longitudinal data, Event history analysis, Under-five mortality analysis

Coverage

GEOGRAPHIC COVERAGE

HDSS sites within thirteen sub-Saharan African countries. HDSS are geographically delineated locations and data covers the entire population in those locations. Each site is of different size.

UNIVERSE

The data includes complete populations - that is, individuals of all ages and sexes, and their event history. The residence variable included in the dataset indicates whether the individual is considered present or not in the HDSS site.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Bocquier, Philippe	Université catholique de Louvain & University of Witwatersrand
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Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Bocquier, Philippe	BP	Université catholique de Louvain & University of Witwatersrand	DDI Author
iSHARE2 Technical Team	iS2TT	INDEPTH Network	Documentation of the study
INDEPTH Network	int.indepth	INDEPTH Network	agency

DATE OF METADATA PRODUCTION

2021-03-10

DDI DOCUMENT VERSION

Version 1 (March 2021)

DDI DOCUMENT ID

DDI.HDSS.29.SUB.SAHARAN.AFRICA.V1

Sampling

Sampling Procedure

The data from all sites are combined together and cleaned, to ensure consistency across sites. Cleaning includes correction for inconsistencies in events (such as a birth event after an out-migration), and removing individuals with important missing data (such as date of birth). Additionally, the data is prepared for event history analysis, including creating a variable of residence, and inserting five-year period events.

Questionnaires

No content available

Data Collection

Data Collection Mode

Face-to-face [f2f]

Data Processing

Other Processing

The data from all sites are combined together and cleaned, to ensure consistency across sites. Cleaning includes correction for inconsistencies in events (such as a birth event after an out-migration), and removing individuals with important missing data (such as date of birth). Additionally, the data is prepared for event history analysis, including creating a variable of residence, and inserting five-year period events.

Data Appraisal

No content available

File Description

Variable List

ConsolidatedData2018_analysis

Content

Cases	15909474
Variable(s)	16
Structure	Type: Keys: ()
Version	ConsolidatedData2018_analysis.v1
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1	CountryId	CountryId	contin	numeric	
V2	CentreId	CentreId	discrete	character	
V3	IndividualId	IndividualId	contin	numeric	
V4	concat_IndividualId	concat_IndividualId	discrete	character	
V5	LocationId	LocationId	contin	numeric	
V6	MotherId	MotherId	contin	numeric	
V7	DeliveryId	DeliveryId	contin	numeric	
V8	Sex	Sex	discrete	numeric	
V9	DoB	DoB	discrete	character	
V10	EventCode	EventCode	contin	numeric	
V11	datebeg	datebeg	discrete	character	
V12	EventDate	EventDate	discrete	character	
V13	residence	residence	discrete	numeric	
V14	calendar_year	calendar_year	discrete	numeric	
V15	calendar_day	calendar_day	discrete	character	
V16	sensor_death	sensor_death	discrete	numeric	

CountryId (CountryId)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 15909474
Format: numeric	Invalid: 0
Decimals: 0	
Range: 231-854	

Description

Identifier of country

CentreId (CentreId)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: character	Invalid: 0
Width: 5	

Description

Identifier of HDSS site

IndividualId (IndividualId)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 15909474
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-312350	Maximum: 312350

Description

Unique identifier of individuals within sites. This identifier is anonymised.

concat_IndividualId (concat_IndividualId)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: character	Invalid: 0
Width: 14	

Description

Unique identifier of individuals across sites.
Combined site and individual id

LocationId (LocationId)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 15080921
Format: numeric	Invalid: 828553
Decimals: 0	Minimum: 1
Range: 1-56902	Maximum: 56902

LocationId (LocationId)

File: ConsolidatedData2018_analysis

Description

Place of residence within site

MotherId (MotherId)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 667879
Format: numeric	Invalid: 15241595
Decimals: 0	Minimum: 1
Range: 1-312047	Maximum: 312047

Description

Identifier of mother

DeliveryId (DeliveryId)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 667888
Format: numeric	Invalid: 15241586
Decimals: 0	Minimum: 1
Range: 1-81819	Maximum: 81819

Description

Identifier of delivery

Sex (Sex)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-9	Maximum: 9

Description

Sex

DoB (DoB)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: character	Minimum: NaN
	Maximum: NaN

Description

Date of birth

EventCode (EventCode)

File: ConsolidatedData2018_analysis

Overview

Type: Continuous	Valid cases: 15909474
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-30	Maximum: 30

Description

Type of event

datebeg (datebeg)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: character	Minimum: NaN
	Maximum: NaN

Description

Beginning of event, start date

EventDate (EventDate)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: character	Minimum: NaN
	Maximum: NaN

Description

Date of event

residence (residence)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 15909474
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 0
Range: 0-1	Maximum: 1

Description

Whether resident on HDSS site or not

calendar_year (calendar_year)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete	Valid cases: 9915225
Format: numeric	Invalid: 5994249
Decimals: 0	Minimum: 0
Range: 0-2015	Maximum: 2015

Description

calendar_year (calendar_year)

File: ConsolidatedData2018_analysis

Year

calendar_day (calendar_day)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete

Format: character

Valid cases: 15909474

Minimum: NaN

Maximum: NaN

Description

Day

sensor_death (sensor_death)

File: ConsolidatedData2018_analysis

Overview

Type: Discrete

Format: numeric

Decimals: 0

Range: 0-1

Valid cases: 9742192

Invalid: 6167282

Minimum: 0

Maximum: 1

Description

Identifier of death events

