

Vietnam - Chililab HDSS INDEPTH Core Dataset 2004-2012 (Release 2016)

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Overview

Identification

ID NUMBER

INDEPTH.VN021.CMD2012.V2

Version

VERSION DESCRIPTION

CMD2012.v2: Edited dataset for public distribution.

PRODUCTION DATE

2016-05-22

Overview

ABSTRACT

CHILILAB is designed as a site for training and research for Hanoi School of Public Health. CHILILAB is based on the foundation of an active and sustainable surveillance system monitoring basic morbidity and mortality as well as other demographic, socio-economic and culture characteristics. CHILILAB was designed to focus on issues related to adolescent health and injury. The entire population of 3 selected townships and 4 communes were invited to participate in the study, included 57161 participants from 17993 household. There are 6 objectives of CHILILAB, includes:

- 1.Establish a demographic and epidemiologic surveillance system on cyclic morbidity and mortality in Chi Linh district
- 2.Identify patterns and trends of morbidity and mortality in the district population periodically and longitudinally
- 3.Provide data on adolescent health especially risk and protective factor affecting adolescent health issues
- 4.Pilot and evaluate community health intervention strategies periodically in order to form a basic for developing health policies in the locality and elsewhere
- 5.Improve the procedures for data collection, analysis and application at the community level in a reliable and effective manner
- 6.Strengthen the capacity of public health professionals in Hanoi School of Public Health.

KIND OF DATA

Event history data

UNITS OF ANALYSIS

Individual

Scope

NOTES

The scope of CHILILAB datasheet includes:

Household: General household information (resident, family members...), morbidity data and general socio-economic and cultural conditions.

Individual: Gender, Ethnic group, Date of birth, Education, Occupation, Marial status, Pregnancy (for women), Immigration, Out-migration, Mortality.

Adolescent: General infomation, Adolescent health.

TOPICS

Topic	Vocabulary	URI
Demography [N01.224]	MeSH	http://www.ncbi.nlm.nih.gov/mesh

KEYWORDS

Chililab, Demography, Adolescent, Migration, Fertility, Mortality

Coverage

GEOGRAPHIC COVERAGE

Chi Linh is a mountainous town of Hai Duong Province of northern Vietnam. Chi Linh town covers an area of 300,54 square kilometers, contains 17 communes and 3 towns and has a population of 142,278 (50.3% female, 49.7% male). A number of different ethnic minority groups live in the district, including San Diu, Chinese, H'Mong, Tay, Nung and some other ethnic minorities. The population density varies across the district, with higher density in lowland communes and places with access to transportation routes. Approximately 25% of the total population lives in urban areas. The number of adolescents between 15-24 years of age accounts for 19.3% of the total district population according to 1999 population data. Residents receive information, including health information, from several different channels: 100% of the communes/towns are covered with the loud-speaker system; 100% of households have their own radio receivers; about 60% of households have TVs.

Several national roads as well as inter-communal roads run through the town. While the national roads are high quality and therefore can handle a high volume of high speed traffic, the inter-communal roads are ill-maintained due to insufficient funding. As a result, some communes are not very easily accessible. Much of the land in Chi Linh is used for agriculture, including rice and subsidiary dry crop cultivation. In addition, forest resources in the district are currently being exploited. The town also contains two thermal power plants as well as a medical glass plant, a refractory soil mine, and a leather shoe making plant providing employment in the district.

UNIVERSE

Resident household members of households resident within the demographic surveillance area.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

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Tran Huu Bich	Hanoi School of Public Health
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OTHER PRODUCER(S)

Name	Affiliation	Role
Le Cu Linh	Hanoi School of Public Health	Questionnaire design/Data Analysis
Bui Thu Ha	Hanoi School of Public Health	Questionnaire design
Pham Viet Cuong A	Hanoi School of Public Health	Data Analysis

Name	Affiliation	Role
Nguyen Thanh Nghi	Hanoi School of Public Health	Data Collection
Duong Kim Tuan	Hanoi School of Public Health	Data Collection
Le Thi Vui	Hanoi School of Public Health	Data Collection

FUNDING

Name	Abbreviation	Role
China Medical Board	CMB	

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Pham Viet Cuong	Hanoi School of Public Health	Data Manager

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Chililab HDSS	VN021	Hanoi School of Public Health	Documentation of the study
iSHARE2 Technical Team	isTT	INDEPTH Network	Technical Support
INDEPTH	int.indepth	INDEPTH	Agency
Pham Viet Cuong	PVC	Hanoi School of Public Health	DDI Author

DATE OF METADATA PRODUCTION

2016-05-22

DDI DOCUMENT VERSION

CMD2012.v3 (May 2016)

DDI DOCUMENT ID

DDI.INDEPTH.VN021.CMD2012.v3

Sampling

Sampling Procedure

The entire population of 7 communes and townships within Chi Linh town will be selected to be the sample of study. This includes approximately 70,000 individuals from 18,000 households. Data was collected at both the household and individual levels. A list of the households in the district was made with the involvement of relevant authorities and use of existing local lists of households at the time when the baseline survey is conducted. Study subjects for specific studies will be selected according to their objectives and aims of those studies

Deviations from Sample Design

None

Response Rate

100% household in the field have joined in CHILILAB

Weighting

Not applicable

Questionnaires

Overview

CHILILAB includes 7 kinds of form to collect data:

1. Form Q (General Information of household): Contains basic information of household as: Name of household, address, household ID, identify some events in the household during 3 months (or 4 months or 6 months).
2. Form H (Household information): some information about the social - economic of household as: list of properties, type of house wall, house roof or house foundation
3. Form C (Individual information): Date of birth, sex, age, ethnic, religion, health insurance, numbers of children
4. Form DC (Immigration information): Date of immigration or out-migration, reason of immigration and where do they live to/from?
5. Form TH (Pregnancy information): Pregnancy status, start-date and end-date of pregnancy
6. Form CH (Mortality information): Expectation of life, mortality cause
7. Form CU (Household change information): Date to change, reason to change and the name of new household

Data Collection

Data Collection Dates

Start	End	Cycle
2004-04-01	2012-12-31	Release Coverage

Time Periods

Start	End	Cycle
2004-06-01		Round 1
2004-09-01		Round 2
2004-12-01		Round 3
2005-03-01		Round 4
2005-06-01		Round 5
2005-09-01		Round 6
2006-01-01		Round 7
2006-05-01		Round 8
2006-09-01		Round 9
2007-01-01		Round 10
2007-05-01		Round 11
2007-09-01		Round 12
2008-01-01		Round 13
2008-07-01		Round 14
2009-01-01		Round 15
2010-01-01		Round 16
2010-07-01		Round 17
2011-01-01		Round 18
2011-07-01		Round 19
2012-01-01		Round 20

Data Collection Mode

Proxy Respondent [proxy]

Data Collectors

Name	Abbreviation	Affiliation
Hoang Thi Nhai		
Doan Thi Nguyet Tho		
Nguyen Thi Hien		
Nguyen Thi Luong		
Dang Van Anh		
Dam Thi Thoa		
Bui Thi Ken		
Bui Thi Hue		
Vu Thi Nguyen		
Luong Thi Thoi		
Le Thi Bich Lan		
Duong Thi Dung		
Nguyen Huy		
Nguyen Thi Hong Phuong		

Name	Abbreviation	Affiliation
Vu Thi Nha		
Nguyen Thi Hong		
Doan Thi Kha		
Nguyen Thi Thanh Xuan		

SUPERVISION

Field Supervisors will oversee the activities of the surveyors, and the Field Lab Managers on will oversee all activity related to building and maintaining the database. Other supplementary activities such as weekly and monthly progress meetings will be organized as part of data quality control.

Data Processing

Data Editing

Data collected from the sample population is stored in the database of the CHILILAB in HSPH. Periodical updates of demographic information and socio-economic, cultural, health conditions are extracted from the database for analysis. Findings are then disseminated to the community and policy makers in annual workshops with local authorities, through manuscripts, and factsheets in Vietnamese as well as in English. Individual and household data in CHILILAB could be accessed if the request for data use is sent to the CHILILAB coordinator for consideration

Other Processing

Data entry software is developed in such a way that there is an automatic error control system that function during the process of data entry. In cases where errors are detected by the data entry clerk or by the software, the relevant surveyor and supervisor are informed and the errors are corrected and households re-interviewed if necessary. All errors are acknowledged and recorded in order to gain experience and improve data collection methods in the future.

Checking data: The contents of 5% of the interviews/household observations will be totally or partly reconstructed by the field supervisors or the field coordinators (HSPH staff) to check the data quality through a random selection (5%) of questionnaires used by the surveyors. The field coordinators, at the same time, are responsible for supervising activities being conducted by the field supervisors. This quality control process will be conducted by comparing interview outcomes of the surveyors and supervisors.

Data Appraisal

Estimates of Sampling Error

Not applicable

Other forms of Data Appraisal

CenterId	Metric	Table	QMetric	Illegal	Legal	Total	Metric	Run	Date
VN021	MicroDataCleaned	Starts	74985	2016-05-22	13:01				
VN021	MicroDataCleaned	Transitions	0	181476	181476	0		2016-05-22	13:01
VN021	MicroDataCleaned	Ends	74985	2016-05-22	13:01				
VN021	MicroDataCleaned	SexValues	181476	2016-05-22	13:01				
VN021	MicroDataCleaned	DoBValues	181476	2016-05-22	13:01				

File Description

Variable List

VN021.CMD2012.V2

Content	This file contains all individual events that occurred in periods 2004 to 2010. The individualid is anonymised.
Cases	211180
Variable(s)	14
Structure	Type: Keys: ()
Version	CMD2012.V2
Producer	Chililab Office
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	discrete	numeric	

RecNr (RecNr)

File: VN021.CMD2012.V2

Overview

Type: Continuous	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-145327	Maximum: 211180
	Mean: 105590.5
	Standard deviation: 60962.6

Description

A sequential number uniquely identifying each record in the data file

CountryId (CountryId)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	
Range: 704-704	

Description

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

CentreId (CentreId)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
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: VN021.CMD2012.V2

Overview

Type: Continuous	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-62021	Maximum: 77590
	Mean: 41410.2
	Standard deviation: 23190.1

Description

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

Sex (Sex)

File: VN021.CMD2012.V2

Sex (Sex)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	
Range: 0-2	

Description

Sex of the individual. 1 for Male and 2 for Female

DoB (DoB)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: character	Minimum: NaN
Width: 23	Maximum: NaN

Description

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

EventCount (EventCount)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	
Range: 2-10	

Description

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

EventNr (EventNr)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	
Range: 1-10	

Description

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

EventCode (EventCode)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211180
Format: character	Invalid: 0
Width: 3	

Description

A code identifying the type of event that has occurred.

EventDate (EventDate)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211174
Format: character	Minimum: NaN
Width: 23	Maximum: NaN

Description

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

ObservationDate (ObservationDate)

File: VN021.CMD2012.V2

Overview

Type: Discrete	Valid cases: 211154
Format: character	Minimum: NaN
Width: 23	Maximum: NaN

Description

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

LocationId (LocationId)

File: VN021.CMD2012.V2

Overview

Type: Continuous	Valid cases: 211180
Format: numeric	Invalid: 0
Decimals: 0	Minimum: 1
Range: 1-17381	Maximum: 19414
	Mean: 9381.7
	Standard deviation: 5432.7

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: VN021.CMD2012.V2

Overview

Type: Continuous	Valid cases: 15263
Format: numeric	Invalid: 195917
Decimals: 0	Minimum: 8
Range: 2-64294	Maximum: 77577
	Mean: 37710
	Standard deviation: 21843.9

Description

The IndividualId of the mother. Only provided for BTH events.

DeliveryId (DeliveryId)

File: VN021.CMD2012.V2

Overview

DeliveryId (DeliveryId)

File: VN021.CMD2012.V2

Type: Discrete
Format: numeric
Decimals: 0
Range: 0-11

Valid cases: 15144
Invalid: 196036

Description

The RecNr of the delivery event associated with this birth

