

Malawi - ICP Effect of Acute Illness on Contact Patterns 2018

Malawi Epidemiology and Intervention Research Unit

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Identification

SURVEY ID NUMBER

MWI-MEIRU-ICP-2017-v1

TITLE

ICP Effect of Acute Illness on Contact Patterns 2018

COUNTRY

Name	Country code
Malawi	MWI

STUDY TYPE

Sample Survey

SERIES INFORMATION

Effects of Acute Illness on Contact patterns in Africa was a study that was conducted in Karonga District of Northern Malawi. It was implemented from 16th of December 2016 to 15th December 2017. The purpose of the study was to assess how acute illness affects contact patterns in an African setting in order to improve estimation of the spread of infections. We completed recruitment on 11 Nov 2017. We are at a very preliminary stage of analysis. We recruited 618 participants; 369 patients and 249 caregivers. The Study was led by Mr Albert Dube as principal investigator, Dr Steffen Geis, Professors Mia Crampin, and Professor Judith Glyn as co-investigators

ABSTRACT

There are no data on changing contact patterns when ill in Africa, yet they could profoundly affect transmission of infections. We recorded named contacts (face-to-face conversations or touch) and opportunities for casual contact in a rural population in northern Malawi in three 24-hour periods: when attending clinic for an acute illness, the following day, and 2 weeks later, when well. Contact patterns for caregivers were also collected for participants aged <18 years. We interviewed 384 patients and 257 caregivers. Patients had an average of 16.8, 15.4 and 15.6 contacts on the three visits. Results for caregivers were similar. The day of the clinic visit the number of adult contacts and the proportion using taxis and minibuses were increased for all ages. Compared to the day after the clinic visit, participants seen on the same day of the week when well had a mean of 0.4 (95% CI -0.4, 1.2) extra contacts, with an increase of 0.8 (0.2, 1.3) for indoor contacts, 0.8 (0.0, 1.5) for contacts of =10 minutes, and 0.9 (0.2, 1.7) for contacts involving touch. Children tended to have more child contacts and fewer adult contacts when well, and adults tended to have more adult and fewer child contacts when well, but all differences were small (< 1 contact/day). When well participants were more likely to go to church, market and school, visit other houses and use public transport, than they were on the day after the clinic visit. Opportunities for casual contact were affected by illness more than contact with named individuals. Clinic visiting increased named and casual contacts, and being ill at home decreased such contacts. Illness increased dis-associative age mixing. These data should help refine models of infection spread.

KIND OF DATA

Observational episodes

UNIT OF ANALYSIS

Individual

Version

VERSION DATE

2021-03-03

Scope

NOTES

This study collected data on a number of areas. In addition to the demographics such as age, sex and residency; socio-economic data, illness the patient was suffering from, who the guardian or caregiver was, travelling history of both the care

giver and the patient in the past 7 days prior to interview, whether they came into contact with animals, information on where they had been 24 hours prior to the interview date were collected. Both the patient and the caregiver were asked to keep a diary and document the contacts they have made since they visited the clinic. Contact information that was collected included; initials of the contact, sex, age, meeting place, whether the meeting was in or out door, whether touching was involved and how frequent the patient or caregiver came into contact with the contact.

TOPICS

Topic	Vocabulary	URI
contact	the state of physical touching	Google search
illness	a disease or period of sickness affecting the body or mind	Google search
Diary	a book in which one keeps a daily record of events and experiences	Google search
Pattern	an arrangement or design regularly found in comparable objects	Google search

Coverage

GEOGRAPHIC COVERAGE

Demographic surveillance area (DSS) in the south of Karonga district (total population approximately 39, 000)

Area 25 in Lilongwe for a pilot study.

UNIVERSE

General population (children and adults) in Chilumba and Lilongwe including adult TB suspects and TB patients

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
Albert Dube	Malawi Epidemiology and Intervention Research Unit

PRODUCERS

Name	Abbreviation	Affiliation	Role
Dr Amelia (Mia) Crampin	MC	LSHTM, MEIRU	Co-Applicant
Dr Steffen Geis	SG	LSHTM, MEIRU	Co-Applicant
Prof Judith Glynn	JG	LSHTM	Co-Applicant

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
LSHTM	ICP	Funder

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Malawi Epidemiology and Intervention Research Unit	MEIRU	Agency

Sampling

SAMPLING PROCEDURE

The study was conducted within a demographic surveillance area in rural northern Malawi. Our previous pilot work showed that keeping a diary and being interviewed about contacts in the previous 24 hours are both acceptable to the population,

but that both fail to include all contacts when done independently. We therefore combined the methods, using the diary as an aide memoire for the interview, and instructing interviewers to probe carefully for contacts. Contacts were defined as people with whom the participant had face-to-face conversations or skin contact, not simply people they passed and greeted.

Project staff based at the clinic recruited participants from among those attending with symptoms suggesting acute infectious disease (e.g. fever, acute respiratory infections, diarrhoea, vomiting). Following written consent an interviewer explained to the patient and their care-givers how to keep a diary of contacts.

DEVIATIONS FROM THE SAMPLE DESIGN

No deviations reported or observed

WEIGHTING

Not applicable

Data collection

DATES OF DATA COLLECTION

Start	End
2017-04-07	2017-12-12

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTORS

Name	Abbreviation
Malawi Epidemiology and Intervention Research Unit	MEIRU

Access policy

ACCESS CONDITIONS

These data are made available for licensed access under the following conditions:

1. Data and other material provided by MEIRU will not be redistributed or sold to other individuals, institutions or organisations without MEIRU's written agreement.
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6. An electronic copy of all publications based on the requested data will be sent to MEIRU.

ACCESS AUTHORITY

Name
Malawi Epidemiology and Intervention Research Unit

ARCHIVE WHERE STUDY IS ORIGINALLY STORED

MEIRU

Metadata production

DDI DOCUMENT ID

DDI-MWI-MEIRU-ICP-2017-v1

PRODUCERS

Name	Abbreviation	Affiliation	Role
Elizabeth Munthali	EM	MEIRU	Metadata entry and editing
Themba Chirwa	TC	MEIRU	Metadata entry and editing
Chifundo Kanjala	CK	MEIRU	Documentation planning and supervision
Estelle McLean	EM	LSHTM	Production of the documentation used to create this DDI document

DATE OF METADATA PRODUCTION

2020-08-27

DDI DOCUMENT VERSION

Version 1 (August 2020)

Data Dictionary

Data file	Cases	Variables
icp_icp ICP main form Unique identifier STID+CNO+FRMTYPE icp_icp links to the other MEIRU database table(s) using keys as indicated below in the form tablename key icp_icpdairy STID+ CNO+ FRMTYPE+CONTACTNO	0	65
icp_icpdairy ICP participants contact diary Unique identifier STID+ CNO+ FRMTYPE+CONTACTNO icp_icpdairy links to the other MEIRU database table(s) using keys as indicated below in the form tablename key icp_icp STID+CNO+FRMTYPE	0	28

Data file: icp_icp

ICP main form

Unique identifier STID+CNO+FRMTYPE

icp_icp links to the other MEIRU database table(s) using keys as indicated below in the form tablename key
 icp_icpdairy STID+ CNO+ FRMTYPE+CONTACTNO

Cases: 0

Variables: 65

Variables

ID	Name	Label	Question
V1	version	Version	Version
V2	stid	Stid	Study id
V3	cno	Cno	Contact no.
V4	frmtype	Form type	Form type
V5	visitnum	Visit number	Visit number
V6	repgp	Reporting group	CRS number of patient; Reporting group
V7	cluster	Cluster	CRS number of patient; Cluster
V8	hlistno	Household number	CRS number of patient; Household number
V9	membno	Member number	CRS number of patient; Member number
V10	intdate	Interview date	Interview date
V11	rcdr	Interviewer	Staff code
V12	status	Status	Status
V13	informtid	Id of informant	Name of informant
V14	originf	Id of informant	Name of informant
V15	relinform	Relationship of informant to patient	Relationship to patient
V16	clientill	Illness	Illness patient is suffering from
V17	respinf	Respiratory illness	Illness patient is suffering from; Respiratory infection
V18	fever	Fever	Illness patient is suffering from; Fever
V19	diarrvom	Diarrhoea/vomiting	Illness patient is suffering from; Diarrhoea/vomiting
V20	othersym	Other illness	Illness patient is suffering from; Others
V21	caregyn	Is there a caregiver	Is there a care giver?
V22	caregname	Name of caregiver	Name of main care giver
V23	caregsex	Sex of caregive	Sex of main care giver
V24	caregage	Age of caregiver	Age in years of main care giver
V25	careghhold	Caregiver lives in same household	Is care giver living in the same household with client
V26	repgp_care	Reporting group of caregiver	CRS number of care giver; Reporting group
V27	cluster_care	Cluster of caregiver	CRS number of care giver; Cluster
V28	hlistno_care	Household number of caregiver	CRS number of care giver; Household number
V29	membno_care	Member number of caregiver	CRS number of care giver; Member number
V30	furtrav	Furthest travel in last 7 days	What is the furthest from home you have travelled in the last 7 days?
V31	reafur	Reason for furthest travel in last 7 days	Reason for furthest travel in the last 7 days?
V32	outvillage	How often travel outside village	How often do you travel outside of your:Village
V33	outdistrict	How often travel outside district	How often do you travel outside of your: District

ID	Name	Label	Question
V34	outregion	How often travel outside region	How often do you travel outside of your: Region
V35	outcountry	How often travel outside country	How often do you travel outside of your: Country
V36	perscontact	Number of people in contact with in last 24hrs	On average, about how many people do you have contact with face-to-face (on a one-to-one basis) a day?
V37	hsecontact	Number of households in contact with in last 24hrs	Within the last 24 hours how many households have your visited?
V38	churno	Attended place of worship in last 24hrs	Within the last 24 hours, have you attended a place of worship? (church/mosque/religious gathering)
V39	funerno	Attended funeral in last 24hrs	Within the last 24 hours, have you attended a funeral?
V40	marketno	Attended market in last 24hrs	Within the last 24 hours, have you gone to a market?
V41	vehicle	Used vehicle in last 24hrs	Within the last 24 hours, have you travelled on a minibus?
V42	busno	Used bus in last 24hrs	Within the last 24 hours, have you travelled on a minibus?
V43	schlno	Attended school in last 24hrs	Within the last 24 hours, have you been to school?
V44	hcareno	Attended health centre in last 24hrs	Within the last 24 hours, have you attended a healthcare facility?
V45	touchick	How often touch live chickens or ducks	How often do you touch live chickens or ducks?
V46	toupig	How often touch live pigs	How often do you touch live pigs?
V47	toupoo	How often contact with animal faeces	How often do you have contact with animal faeces?
V48	schlever	Ever been to school	Have you ever been to school?
V49	schltype	Highest education level	What is the highest level of education attended?
V50	schlstd	Highest school standard	form/standard
V51	emp	Employment	What is your main occupation?; Employment
V52	occ	Occupation	What is your main occupation?; Occupation
V53	dint	Interview complete	Data collection completed
V54	dintreas	Reason if interview not complete	If N (Data collection completed), reason
V55	dcno	Dcno	
V56	extinf	Extinf	
V57	codr	Coder	Coder
V58	chkr	Checker	Level 1 Checker
V59	starttime	Start time	Start time
V60	endtime	End time	End time
V61	entryby	Entered by	Entry by
V62	updateby	Updated by	Updated by
V63	entrydate	Entry date	Entry date
V64	updatedate	Update date	Update date
V65	verified	Verified	Verified

Total: 65

Data file: icp_icpdairy

ICP participants contact diary

Unique identifier STID+ CNO+ FRMTYPE+CONTACTNO

icp_icpdairy links to the other MEIRU database table(s) using keys as indicated below in the form tablename key

icp_icp STID+CNO+FRMTYPE

Cases: 0

Variables: 28

Variables

ID	Name	Label	Question
V66	stid	Stid	STID
V67	cno	Cno	CNO
V68	frmtype	Form type	Diary type
V69	contactno	Contact number	Client id
V70	visitnum	Visit number	Visit number
V71	contdate	Date of contact	Date of contact
V72	gender	Gender of contact	Gender
V73	agegroup	Agegroup of contact	Age (years)
V74	relationship	Relationship to contact	Relationship
V75	c_home	Contact in own home	Where did you have contact?; Home
V76	c_schlwork	Contact in school/workplace	Where did you have contact?; School/ workplace
V77	c_mktshop	Contact in market/shop	Where did you have contact?; Market/ shop
V78	c_trans	Contact in transport	Where did you have contact?; Transport
V79	c_hcare	Contact in healthcare facility	Where did you have contact?; Healthcare facility
V80	c_church	Contact in place of worship	Where did you have contact?; Church/ place of worship
V81	c_other	Other contact	Where did you have contact?; Social/other
V82	indoor	Contact was indoors	Indoor or outdoor
V83	outdoor	Contact was outdoors	Indoor or outdoor
V84	touchskin	Skin contact	Did you touch his/her skin?
V85	regularity	How often met contact	How often do you meet this person?
V86	duration	Contact duration	How much time did you spend with the person?
V87	starttime	Start time	Start time
V88	endtime	End time	End Time
V89	entryby	Entry by	Entry by
V90	updateby	Update by	Update by
V91	entrydate	Entry date	Entry date
V92	updatedate	Update date	Update date
V93	verified	Verified	Verified

Total: 28

VERSION: Version**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

LITERAL QUESTION

Version

INTDATE: Interview date**Data file:** icp_icp**Overview**

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Interview date

STID: Stid**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Study id

CNO: Cno**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Contact no.

FRMTYPE: Form type

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

Questions and instructions

LITERAL QUESTION

Form type

CATEGORIES

Value	Category
1	Patient
2	Caregiver

VISITNUM: Visit number

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

LITERAL QUESTION

Visit number

REPGP: Reporting group

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

CRS number of patient; Reporting group

CLUSTER: Cluster

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

CRS number of patient; Cluster

HHLISTNO: Household number

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 3 Range: - Format: character

Questions and instructions

LITERAL QUESTION

CRS number of patient; Household number

MEMBNO: Member number

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

CRS number of patient; Member number

RCDR: Interviewer**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Staff code

STATUS: Status**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Status

CATEGORIES

Value	Category
1	Consented
2	Dead
3	Left
4	Refused
5	Missed
8	Unknown
9	Missing

INFORMTID: Id of informant**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Name of informant

ORIGINF: Id of informant

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Name of informant

RELINFORM: Relationship of informant to patient

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: 1 - 99 Format: Numeric

Questions and instructions

LITERAL QUESTION

Relationship to patient

CATEGORIES

Value	Category
1	Self
2	Spouse
3	Child
4	Grand child
5	Niece/Nephew
6	Sibling
7	Cousin
8	Parent
9	Aunt/Uncle
10	Friend of family
11	Other relative
12	Other non-relative
13	Step-child

14	Step grandchild
15	Parent-in-law
16	Grandparent
17	Stepfather
18	Stepmother
98	Unknown
99	Missing

CLIENTILL: Illness

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Illness patient is suffering from

CATEGORIES

Value	Category
1	Respiratory infection
2	Fever
3	Diarrhoea/vomiting
4	Others
9	Missing

RESPINF: Respiratory illness

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Illness patient is suffering from; Respiratory infection

CATEGORIES

Value	Category
-------	----------

0	No
1	Yes
8	Unknown
9	Missing

FEVER: Fever

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Illness patient is suffering from; Fever

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

DIARRVOM: Diarrhoea/vomiting

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Illness patient is suffering from; Diarrhoea/vomiting

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

OTHERSYM: Other illness**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Illness patient is suffering from; Others

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

CAREGYN: Is there a caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

Is there a care giver?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

CAREGNAME: Name of caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 28 Range: - Format: character

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

Name of main care giver

CAREGSEX: Sex of caregive**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

Sex of main care giver

CATEGORIES

Value	Category
0	Male
1	Female
8	Unknown
9	Missing

CAREGAGE: Age of caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 17 - 73 Format: Numeric

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

Age in years of main care giver

CAREGHHOLD: Caregiver lives in same household

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

Is care giver living in the same household with client

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

REPGP_CARE: Reporting group of caregiver

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

CRS number of care giver; Reporting group

CLUSTER_CARE: Cluster of caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

CRS number of care giver; Cluster

HHLISTNO_CARE: Household number of caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 3 Range: - Format: character

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

CRS number of care giver; Household number

MEMBNO_CARE: Member number of caregiver**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

QUESTION PRETEXT

If patient in question number 4(Form type): Caregiver details

LITERAL QUESTION

CRS number of care giver; Member number

FURTRAV: Furthest travel in last 7 days**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

What is the furthest from home you have travelled in the last 7 days?

CATEGORIES

Value	Category
1	Outside of neighbourhood
2	Outside of village
3	Outside of district
4	Outside of region
5	Outside of country
9	Missing

REAFUR: Reason for furthest travel in last 7 days**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Reason for furthest travel in the last 7 days?

CATEGORIES

Value	Category
1	Business/sell goods
2	Visit family/funeral
3	Shopping/source materials
4	Church-related
5	Illness-related
6	Other
9	Missing

OUTVILLAGE: How often travel outside village**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you travel outside of your:Village

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

OUTDISTRICT: How often travel outside district**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you travel outside of your: District

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

OUTREGION: How often travel outside region**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you travel outside of your: Region

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

OUTCOUNTRY: How often travel outside country**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you travel outside of your: Country

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

PERSCONTACT: Number of people in contact with in last 24hrs**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: - Format: Numeric

Questions and instructions

LITERAL QUESTION

On average, about how many people do you have contact with face-to-face (on a one-to-one basis) a day?

HSECONTACT: Number of households in contact with in last 24hrs**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours how many households have your visited?

CATEGORIES

Value	Category
5	5 or more
9	Missing

CHURNO: Attended place of worship in last 24hrs**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you attended a place of worship? (church/mosque/religious gathering)

CATEGORIES

Value	Category
0	No

1	Yes
8	Unknown
9	Missing

FUNERNO: Attended funeral in last 24hrs

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you attended a funeral?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

MARKETNO: Attended market in last 24hrs

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you gone to a market?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

VEHICLE: Used vehicle in last 24hrs**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you travelled on a minibus?

CATEGORIES

Value	Category
0	No
1	Yes, taxi (yes any in earlier versions?)
3	Yes, minibus
4	Yes, bicycle/motorcycle
9	Missing

BUSNO: Used bus in last 24hrs**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you travelled on a minibus?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

SCHLNO: Attended school in last 24hrs**Data file:** icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you been to school?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

HCARENO: Attended health centre in last 24hrs

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Within the last 24 hours, have you attended a healthcare facility?

CATEGORIES

Value	Category
0	No
1	Yes
3	Inpatient
9	Missing

TOUCHICK: How often touch live chickens or ducks

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you touch live chickens or ducks?

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

TOUPIG: How often touch live pigs

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you touch live pigs?

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

TOUPOO: How often contact with animal faeces

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you have contact with animal faeces?

CATEGORIES

Value	Category
1	Most days of the week
2	At least once a week
3	At least once a month
4	Less than monthly
5	Never
9	Missing

SCHLEVER: Ever been to school

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

QUESTION PRETEXT

Education and Occupation and Economic activities

LITERAL QUESTION

Have you ever been to school?

CATEGORIES

Value	Category
0	Never
1	Current
2	Ever
8	Unknown
9	Missing

SCHLTYPE: Highest education level

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

QUESTION PRETEXT

Education and Occupation and Economic activities

LITERAL QUESTION

What is the highest level of education attended?

CATEGORIES

Value	Category
0	None
1	Primary
2	Secondary
3	Tertiary
4	Higher
8	Unknown
9	Missing

SCHLSTD: Highest school standard

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 8 Format: Numeric

Questions and instructions

QUESTION PRETEXT

Education and Occupation and Economic activities

LITERAL QUESTION

form/standard

EMP: Employment

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 3 Range: 0 - 999 Format: Numeric

Questions and instructions

QUESTION PRETEXT

Education and Occupation and Economic activities

LITERAL QUESTION

What is your main occupation?; Employment

CATEGORIES

Value	Category
0	Not applicable
11	Full-time education
12	Unable to work
13	Retired
14	Looking for work
19	Other
20	Housework
30	Employer no sub-category
31	Runs own business
33	????
41	In cash economy
42	Subsistence economy
49	Own account don't know payment
51	Salary (monthly)
52	Wage (weekly)
53	Casual or piecework
54	Unpaid worker
59	Employee don't know payment
99	No information
998	Unknown
999	Missing

OCC: Occupation

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: 0 - 99 Format: Numeric

Questions and instructions

QUESTION PRETEXT

Education and Occupation and Economic activities

LITERAL QUESTION

What is your main occupation?; Occupation

CATEGORIES

Value	Category
0	Not working
11	Teachers, nurses, clergy, writers
12	Teachers
13	Health professionals
14	Clergy
19	Other professionals
22	Managing small family business
23	Management in large organisations
24	Small family business
25	Commercial farmer
26	Traditional authority
30	Small trader/store keeper
31	Desk, shop or official outdoor jobs
32	Small trader/store
33	Office worker
34	Barman/girl, waiter
35	Sales assistant
36	Army/police
37	Clinical assistants
39	Other non-manual
41	Modern skills
42	Traditional craft
43	Crafts and related skills
44	Driver/assistant driver
45	African Doctor/herbalist
49	Other skilled manual
51	Agriculture
52	Other manual work
53	Subsistence farmer
54	Herdsmen
55	Fisherman
56	Labourer
57	Security guard/watchman
58	House boy/girl
59	Other unskilled manual
98	Unknown
99	Missing

DINT: Interview complete**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Data collection completed

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

DINTREAS: Reason if interview not complete**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

Questions and instructions

LITERAL QUESTION

If N (Data collection completed), reason

CATEGORIES

Value	Category
1	Refused
2	Missed
3	Died
4	Left

DCNO: Dcno**Data file:** icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 1 Range: - Format: character

EXTINF: Extinf**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

CODR: Coder**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Coder

CHKR: Checker**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Level 1 Checker

STARTTIME: Start time

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 14 Range: -1893520113664 - -1893481447424 Format: Numeric

Questions and instructions

LITERAL QUESTION

Start time

ENDTIME: End time

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 14 Range: -1893519327232 - -1893481185280 Format: Numeric

Questions and instructions

LITERAL QUESTION

End time

ENTRYBY: Entered by

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Entry by

UPDATEBY: Updated by

Data file: icp_icp

Overview

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Updated by

ENTRYDATE: Entry date**Data file:** icp_icp**Overview**

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Entry date

UPDATEDATE: Update date**Data file:** icp_icp**Overview**

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Update date

VERIFIED: Verified**Data file:** icp_icp**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Verified

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

STID: Stid**Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructionsLITERAL QUESTION
STID**CNO: Cno****Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 7 Range: - Format: character

Questions and instructionsLITERAL QUESTION
CNO**FRMTYPE: Form type****Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 2 Format: Numeric

Questions and instructionsLITERAL QUESTION
Diary type

CATEGORIES

Value	Category
1	Patient
2	Caregiver

CONTACTNO: Contact number**Data file:** icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 1 - 39 Format: Numeric

Questions and instructions

LITERAL QUESTION

Client id

VISITNUM: Visit number**Data file:** icp_icpdiaary**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

LITERAL QUESTION

Visit number

CONTDAT: Date of contact**Data file:** icp_icpdiaary**Overview**

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Date of contact

GENDER: Gender of contact**Data file:** icp_icpdiaary**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Gender

CATEGORIES

Value	Category
0	Male
1	Female
8	Unknown
9	Missing

AGEGROUP: Agegroup of contact

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Age (years)

CATEGORIES

Value	Category
1	0-5
2	6-17
3	18-49
4	>=50
9	Missing

RELATIONSHIP: Relationship to contact

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Relationship

CATEGORIES

Value	Category
-------	----------

1	Member of household
2	Member of workplace/school
3	Neither
9	Missing

C_HOME: Contact in own home

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Home

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_SCHLWORK: Contact in school/workplace

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; School/ workplace

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_MKTSHOP: Contact in market/shop**Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Market/ shop

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_TRANS: Contact in transport**Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Transport

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_HCARE: Contact in healthcare facility**Data file:** icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Healthcare facility

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_CHURCH: Contact in place of worship

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Church/ place of worship

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

C_OTHER: Other contact

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Where did you have contact?; Social/other

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

INDOOR: Contact was indoors

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Indoor or outdoor

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

OUTDOOR: Contact was outdoors

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Indoor or outdoor

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

TOUCHSKIN: Skin contact

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Did you touch his/her skin?

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing

REGULARITY: How often met contact

Data file: icp_icpdairy

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

Questions and instructions

LITERAL QUESTION

How often do you meet this person?

CATEGORIES

Value	Category
1	Daily or almost daily
2	Once or twice a month
3	Less than once per month

4	Never met before
---	------------------

DURATION: Contact duration

Data file: icp_icpdiaary

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 4 Format: Numeric

Questions and instructions

LITERAL QUESTION

How much time did you spend with the person?

CATEGORIES

Value	Category
1	1-10mins
2	>10min-1hr
3	>1-4hrs
4	>4hrs

STARTTIME: Start time

Data file: icp_icpdiaary

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 14 Range: -1893519327232 - -1893481054208 Format: Numeric

Questions and instructions

LITERAL QUESTION

Start time

ENDTIME: End time

Data file: icp_icpdiaary

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 14 Range: -1893518934016 - -1893479481344 Format: Numeric

Questions and instructions

LITERAL QUESTION

End Time

ENTRYBY: Entry by**Data file:** icp_icpdiairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Entry by

UPDATEBY: Update by**Data file:** icp_icpdiairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 2 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Update by

ENTRYDATE: Entry date**Data file:** icp_icpdiairy**Overview**

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Entry date

UPDATEDATE: Update date**Data file:** icp_icpdiairy

Overview

Valid: 0

Type: Discrete Width: 10 Range: - Format: character

Questions and instructions

LITERAL QUESTION

Update date

VERIFIED: Verified**Data file:** icp_icpdairy**Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 9 Format: Numeric

Questions and instructions

LITERAL QUESTION

Verified

CATEGORIES

Value	Category
0	No
1	Yes
8	Unknown
9	Missing
