Nigeria

National Bureau of Statistics, Federal Government of Nigeria (FGN)

Post Measles Campaign Coverage Survey 2018

Study Documentation

July 8, 2019

Metadata Production

Metadata Producer(s)	National Bureau of Statistics (NBS) , Federal Government of Nigeria , Documentation of the study
Production Date	July 8, 2019
Version	Version 1.0 (July, 2019). This is the first version to be released.
Identification	DDI-NGA-NBS-PMCCS-2018-v01

Table of Contents

Post Measles Campaign Coverage Survey 2018 (PMCCS 2018)
No Translation

Overview

Type	Other Household Survey [hh/oth]
Identification	NGA-NBS-PMCCS-2018-v01
Version	Production Date: 2018-09-19 v1.1: Edited, anonymous dataset for public distribution Notes Version 1.0 (July, 2019). This is the first version to be released.
Series	The National Post Measles Campaign Coverage Survey (PMCCS) was conducted following measles campaign targeting children aged 9 and 59 months in conducted in Nigeria between November 2017 and March 2018 in Nigeria. The survey was commissioned by the National Primary Healthcare Development Agency (NPHCDA) and implemented by the National Bureau of Statistics. Post Measles Campaign Coverage Survey (PMCCS) 2018 which is the first of its kind provides information on the children receiving measles vaccination during the measles campaign.

Abstract
Executive summary

Introduction
The National Post Measles Campaign Coverage Survey (PMCCS) was conducted following measles campaign targeting children aged 9 and 59 months in conducted in Nigeria between November 2017 and March 2018 in Nigeria. The survey was commissioned by the National Primary Healthcare Development Agency (NPHCDA) and implemented by the National Bureau of Statistics. Technical assistance was provided by the World Health Organization while funding was provided by PMCCS provides information on the children receiving measles vaccination during the measles campaign. PMCCS was carried out from January to April 2018 and covered 6819 households with 10151 children aged between 9 and 59 months. The population sampled for the PMCCS is representative of children aged 9 to 59 months nationally and in all 36 states and FCT- Abuja.

Measles vaccination coverage
Eighty eight percent of all children who were eligible for measles vaccination during the campaign were vaccinated. Five states (Anambra, Ekiti, FCT-Abuja, Jigawa and Plateau) achieved an estimated coverage of 95 percent and above.

Proportion of children who received measles vaccination for the first time during the campaign
National close to 10 million children making 35 percent of all children aged between 9 and 59 months received measles vaccination for the first time ever during the measles campaign. As many as 59 percent of children aged 9 to 59 months living in Abuja, 67 percent of children aged 9 to 59 months living in Zamfara and 78 percent of children aged 9 to 59 months living in Katsina state.

Children with SIA cards
Only 59 percent of children who received measles vaccination during the campaign reported receiving a vaccination card during the campaign. The proportion of children who received a vaccination card was as low as 31 percent in Adamawa State and 35 percent in Kogi State.

Sources of information about the campaign
Nationally 3.9 percent of the respondents interviewed were not informed about the measles campaign. The proportion of respondents who were not informed ranged from .03 percent in Jigawa state to 11.5 % in Bauchi state. All respondents in Abuja knew about the measles campaign. Majority of the respondents were informed about the measles campaign through radio, mobilisers (criers), community health workers and village chiefs.

Reason for non-vaccination

Majority of the children were not vaccinated as a result of not being at home in the period of the vaccination campaign and also because the parents or primary caregivers were not aware of the vaccination campaign.

Information on previous vaccination status
Slightly over a half of eligible children had received measles vaccination before the campaign but only 16 percent of all eligible children had a card showing when the vaccination was given.

The primary objective of the survey was to determine the coverage of measles vaccination in all states, the Federal Capital Territory, Abuja and nationally. Secondary objectives of the survey were:
1. To stratify SIA coverage estimates by age group (9-11 months, 12-59 months)
2. To stratify SIA coverage estimates by sex
3. To identify key communication channels that were effectively used for the campaign
4. To determine reasons for non-vaccination of eligible children during the campaign
5. To determine occurrence of adverse events following immunization (AEFI) during the campaign
6. To determine the proportion of children receiving the first dose of measles vaccine during the campaign (i.e., previously unvaccinated)

Kind of Data	Sample survey data [ssd]
Unit of Analysis	Individuals and households.

Scope & Coverage

Scope
The questionnaire for the Post Measles Supplementary Immunization Activity Survey consists of the following sections:
-Household Information Panel (Household rosters)
-Individual questionnaire- This questionnaire is to be administered to all mothers or caregivers who care for a child that lives with them and is within the age of 9 months - 59 months (5 years) and it is divided intho the Demographic Information and Immunization sections.

Time Period(s)	2018-2019
Countries	Nigeria

Geographic Coverage
National
State
Local Government Areas
Sector (Urban and Rural)

Universe
The National Post Measles Campaign Coverage Survey (PMCCS) was conducted following measles campaign targeting children aged 9 and 59 months.Parents and caregivers of all children aged between 9 month and 59 months in the selected households were eligible to participate in the survey

Producers & Sponsors

Primary Investigator(s)	National Bureau of Statistics, Federal Government of Nigeria (FGN)
Other Producer(s)	National Primary HealthCare Development Agency (NPHCDA) , Federal Ministry of Health , Coordinator World Health Organization (WHO) , Technical assistance Centre for Disease Control and Prevention - National Stop Transmission of Polio CDC-NSTOP (CDC-NSTOP) , Technical assistance United Nations Children’s Fund (UNICEF) , United Nations , technical assistance in protocol development and scrutiny on the final report
Funding Agency/ies	Bill and Melinda Gates Foundation (BMGF) , Funding partner

	The Vaccine Alliance (GAVI) , Funding partner Federal Government of Nigeria (FGN) , Funding partner
Other Acknowledgment(s)	Federal Ministry of Health , technical support , Federal Government of Nigeria

Sampling

Sampling Procedure

PMCCS was based on the National Population Commission (NPopC) master sampling frame based on the 2006 Nigeria Housing and Population Census. The sampling frame developed under the National Integrated Survey of Households (NISH2). Areas of the country that are inaccessible due to security reasons were excluded from the sampling frame including specific Local Government Areas (LGAs) in Borno and Adamawa states. Interpretation of results from these areas should therefore be conducted in light of these exclusions.

A stratified two stage - cluster sampling design was chosen for the 2017/18 PMCCS. Reporting strata were 36 state and FCT-Abuja.
The first stage selection involved the selection of EAs in each state and the FCT (Abuja) from the master sampling frame. A total of 30 EAs were selected from the sampling frame and with the selection probability of each EA was recorded for incorporation into household weights.
Following first stage sampling, household listing was conducted in the selected EAs to map all structures and boundaries and also identify households with children aged between 9 and 59 months eligible for second stage selection. Household listing was conducted between the 2nd and 9th of December 2017.
Second stage selection of households to be interviewed was conducted by the National Bureau of Statistics (NBS) using simple random sampling without replacement from the list of households with eligible children aged 9 to 59 months. Seven (7) households with eligible children were randomly selected from each of the 30 enumeration areas in every state.

Deviations from Sample Design

No Deviation

Response Rate

Nationally, the household response rate was 96.2 percent. The household response rate was generally higher in rural areas compared to urban areas with the response rate being 97.4 percent and 92.6 percent respectively. Notably, the household response rates in Lagos, Ebonyi, Oyo, Abuja and Abia were below 90 percent. Despite a planned sample size of 7 eligible households per EA, this planned sample was only achieved in 8 states. In a majority of the states, there were less than 7 households with eligible children available for selection to the survey and were all selected in the EA.

Weighting

Design weights were computed as the product of inverse probabilities of selection in the first and second stage. Next, the design weight was adjusted for household non-response and child non-response to get the sampling weights for households and for children, respectively. Non-response was adjusted at the sampling stratum level. After adjusting for non-response, the sampling weights were normalized and post stratified to get the final standard weights that appear in the data files. Post-stratification was conducted by multiplying the normalised weights with the estimated proportion of children aged 9 to 59 months in each stratum. The estimated number of children in each stratum was obtained from recently concluded microplanning activity.

Bivariate analysis of post measles campaign vaccination coverage, reasons for non-vaccination, AEFI and routine immunisation measles vaccination coverage were presented by residence, gender and zones. Wilson's 95% confidence intervals and upper and lower confidence bounds have been computed throughout the report.

Data Collection

Data Collection Dates	5 Months: start 2018-01-21 5 Months: end 2019-04-06
Data Collection Mode	Face-to-face [f2f]

Data Collection Notes

Interviewers were selected from the states they were deployed in to ensure that the interviewers could speak languages in the state they were assigned to and were conversant with the local culture. Two levels of training were conducted for household listing and mapping. The first stage of training was a training of trainers conducted in Abuja while the second level of training was conducted in every state. The first level training consisted of resource persons and participants from NBS, NPHCDA, WHO, UNICEF and other relevant technical partners while the second level training targeted field workers who were to conduct mapping and listing activities in selected EAs.
A total of 600 personnel comprising of field team supervisors and enumerators were trained of whom 555 were selected to form the data collection teams. Training focused on the survey guidelines, identification of sampled enumeration areas and eligible households, determination of whether an eligible child had been vaccinated, ethics and informed consent, electronic data capture and transmission, and conducting quality control checks. In addition, supervisors were trained on managing survey logistics and on documenting and reporting survey progress. A post-training test was conducted to ensure that only those participants who were conversant with conducting the survey were included into the survey team.

Survey implementation dates

Zone	State	Training	Data collection
NW	Jigawa, Kaduna, Kano, Katsina, Kebbi, Zamfara	17-19 January	21 January to 2 February
NE	Adamawa, Bauchi, Borno, Gombe, Taraba, Yobe, (Sokoto)	22-24 January	26 January to 7 February
NC	Benue, FCT, Nasarawa, Niger, Plateau	10-12 March	14 to 26 March
SS	Akwa Ibom, Bayelsa, Cross River, Delta, Edo, Rivers	5-7 April	9 to 21 April
SE	Abia, Anambra, Ebonyi, Enugu, Imo	11-13 April	15 to 27 April
SW	Ekiti, Lagos, Ogun, Ondo, Osun, Oyo, (Kogi, Kwara)	20-22 April	24 April to 6 May

Survey implementation in Sokoto was conducted with implementation in the North East zone whereas Sokoto geographically belongs to the North West zone while implementation in Kogi and Kwara was conducted with states in South West zone although Kogo and Kwara belong to North Central zone. NW = North West, NE = North East, NC = North Central, SS = South-South, SE = South East, SW = South West

Data collection was conducted by 5 teams in every state with each team comprising of a supervisor and two enumerators. Each team canvased on average 6 enumeration areas in 14 days.

Questionnaires

The questionnaire for the Post Measles Supplementary Immunization Activity Survey consisted of the following:
-Household Information Panel (Household rosters)
-Individual questionnaire- This questionnaire is to be administered to all mothers or caregivers who care for a child that lives with them and is within the age of 9 months - 59 months (5 years)

Data Collector(s)	National Bureau of Statistics (NBS) , Federal Government of Nigeria

Supervision

There were three levels of quality assurance; Survey teams lead by the supervisors were responsible for quality of data collected. Data were collected on CAPI tablets with inbuilt range checks. Once an enumerator had finished data collection data were transferred to the supervisors CAPI tablet and reviewed the quality and completeness of the data before they were synchronized with the server. NBS state and zonal officers also ensured that the survey was conducted as per the survey guidelines and ensure that logistical support for the teams.
Monitoring by teams comprising of NPHCDA and NBS headquarters and state offices formed the second layer of quality assurance by conducting observations of interviews using checklists.
The third level of monitoring was conducted by monitoring data synchronized to the server and inconsistencies picked up were flagged up to the team supervisor who corrected them before teams left a specific EA.

Data Processing & Appraisal

Data Editing

Data collection was using Census and Survey Program (CSPro) software running on android computers. Range checks and skip patterns were predefined in the data entry program to ensure that only all valid responses were collected and there were responses to all applicable questions ensuring enhanced data quality and completeness of collected data. On completion of the

household roster, only age-eligible respondents were presented to the interviewer for interviewing and information had to be collected on all selected respondents before a household completion status was generated by the CAPI software.

Other Processing
Data cleaning and analysis was conducted using the supplementary immunisation activity (SIA) module of Vaccination Coverage Quality Indicators (VCQI) software running on Stata version 14 (StataCorp. 2015. Stata Statistical Software: Release 14. College Station, TX: StataCorp LP.). All results presented in the report are based on the weighted data to account for the survey sampling design and survey nonresponse

Estimates of Sampling Error
Assuming an expected coverage of 90%, half-width confidence interval around state-level estimates of 8% (i.e., 90% +/- 8% coverage estimate) with an alpha level (type I error) of 5%, the effective sample size (i.e., sample size per stratum under a simple random sampling assumption) was n = 101. This level of precision allowed for estimation of coverage with acceptable precision at state, zonal and national levels1.

Other Forms of Data Appraisal
Series of tables and graphs were generated.

Accessibility

Access Authority	National Bureau of Statistics(NBS) (Federal Government of Nigeria) , https:// www.nigerianstat.gov.ng , feedback@nigerianstat.gov.ng
Contact(s)	Dr. Yemi Kale (Statistician-General) (National Bureau of Statistics (NBS)) , http:// www.nigerianstat.gov.ng , yemikale@nigerianstat.gov.ng Dr. Isiaka Olarewaju (D, RSHSD) (National Bureau of Statistics (NBS)) , http:// www.nigerianstat.gov.ng , iolarewaju@nigerianstat.gov.ng Mr. Adeniran Adeyemi (MICS5 National Coordinator) (National Bureau of Statistics (NBS)) , http://www.nigerianstat.gov.ng , saadeniran@nigerianstat.gov.ng Mr. Fafunmi E.A (Head, ICT) (National Bureau of Statistics (NBS)) , http:// www.nigerianstat.gov.ng , biyifafunmi@nigerianstat.gov.ng Mr. Tunde Adebisi (Head, Methodology) (National Bureau of Statistics (NBS)) , http:// www.nigerianstat.gov.ng , tundeadebisi@nigerianstat.gov.ng

Confidentiality
The confidentiality of the individual respondent is protected by law (Statistical Act 2007)
This is published in the Official Gazette of the Federal republic of Nigeria No. 60 vol. 94 of 11th June 2007. See section 26 para.2. Punitive measures for breeches of confidentiality are outlined in section 28 of the same Act.
NOTE: The GPS dataset was enclaved to protect the confidentiality of the respondents as enshrined in the Statistical Act 2007.

Access Conditions
The dataset has been anonymized and is available as a Public Use Dataset.

Citation Requirements
"National Bureau of Statistics, Nigeria, "Post Measles Campaign Coverage Survey 2018 (PMCCS 2018), Version 1.1 of the public use dataset (June 2018), provided by the NBS National Data Archive".

Rights & Disclaimer

Disclaimer
The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

Copyright	

Files Description

Dataset contains 3 file(s)

HOUSEHOLD ROSTER	
# Cases	43320
# Variable(s)	19
File Content This dataset contains data on Household Information Panel on all the household members such as Name of household members, relationship to head of household etc.	
Producer National Bureau of Statistics (NBS)	
Version Version 1.0 (September, 2018)	
Processing Checks Checking of all invalids codes were corrected	
Missing Data All missing data were asterisks (*) and have been categorized as values '9' or '99'	
Notes Generally, the variables are named to correspond with each of the questions. Example: 'Sysmiss; is a name given to System Missing Values. It is assigned by default.	

IDENTIFICATION	
# Cases	7090
# Variable(s)	22
File Content This file contains data on demographic information of the eligible child such as datae of birth, Age in completed months.	
Producer National Bureau of Statistics (NBS)	
Version Version 1.0 (September, 2018)	
Processing Checks Checking of all invalids codes were corrected	
Missing Data All missing data were asterisks (*) and have been categorized as values '9' or '99'	
Notes Generally, the variables are named to correspond with each of the questions. Example: 'Sysmiss; is a name given to System Missing Values. It is assigned by default.	

IMMUNIZATION	
# Cases	10153
# Variable(s)	58
File Content	

This file contains data on Immunization such as the presence of a child during the campaign, source of information about the occurrence etc

Producer
National Bureau of Statistics (NBS)

Version
Version 1.0 (September, 2018)

Processing Checks
Checking of all invalids codes were corrected

Missing Data
All missing data were asterisks (*) and have been categorized as values '9' or '99'

Notes
Generally, the variables are named to correspond with each of the questions.
Example: 'Sysmiss; is a name given to System Missing Values. It is assigned by default.

Variables List

Dataset contains 99 variable(s)

File HOUSEHOLD ROSTER

#	Name	Label	Type	Format	Valid	Invalid	Question
1	hm01	State	discrete	numeric-2.0	43320	0	State name
2	hm03	Cluster	continuous	numeric-4.0	43320	0	Cluster number
3	hm09	Household Number	continuous	numeric-3.0	43320	0	Household ID number
4	hm11	Name of head	discrete	character-34	43320	0	Name of head
5	hm21	Member Line Number	continuous	numeric-2.0	43320	0	SN
6	hm22	NAME OF HOUSEHOLD MEMBER	discrete	character-25	43319	0	NAME OF HOUSEHOLD MEMBER
7	hm23	RELATIONSHIP OF HOUSEHOLD MEMBER TO HOUSEHOLD HEAD	discrete	numeric-2.0	43319	1	RELATIONSHIP OF HOUSEHOLD MEMBER TO HOUSEHOLD HEAD
8	hm24	SEX OF HOUSEHOLD MEMBER	discrete	numeric-1.0	43319	1	SEX OF CHILD
9	hm25	DID THE HOUSEHOLD MEMBER SLEEP HERE LAST NIGHT?	discrete	numeric-1.0	43319	1	DID THE HOUSEHOLD MEMBER SLEEP HERE LAST NIGHT?
10	hm26d	DATE OF BIRTH (DD)	discrete	numeric-2.0	43319	1	DATE OF BIRTH (DD)
11	hm26m	DATE OF BIRTH (MM)	discrete	numeric-2.0	43319	1	DATE OF BIRTH (MM)
12	hm26y	DATE OF BIRTH (YYYY)	continuous	numeric-4.0	-	-	DATE OF BIRTH (YYYY)
13	hm27	Age (Years)	continuous	numeric-3.0	43319	1	AGE AT TIME OF CAMPAIGN - NOVEMBER 2017 (COMPLETED YEARS)
14	hm28	Age (Months)	continuous	numeric-2.0	12584	30736	AGE AT TIME OF CAMPAIGN - NOVEMBER 2017
15	hm29	DID THE CHILD LIVE HERE DURING THE CAMPAIGN	discrete	numeric-1.0	0	43320	DID THE CHILD LIVE HERE DURING THE CAMPAIGN?
16	sector	sector	discrete	numeric-1.0	43320	0	-
17	zone	ZONE	discrete	numeric-1.0	43320	0	-
18	pop_weight	-	continuous	numeric-8.2	43320	0	-
19	normaliz ..	-	continuous	numeric-4.2	43320	0	-

File IDENTIFICATION

#	Name	Label	Type	Format	Valid	Invalid	Question
1	hm01	State	discrete	numeric-2.0	7090	0	State ID number
2	hm02	State Name	discrete	character-11	7090	0	State Name
3	hm03	Cluster	continuous	numeric-4.0	7090	0	Cluster number
4	hm04	Cluster name	discrete	character-30	7090	0	Cluster name
5	hm5	Interviewer	continuous	numeric-2.0	-	-	Interviewer name
6	hm7	Supervisor	discrete	numeric-1.0	7090	0	Supervisor name
7	hm09	Household Number	continuous	numeric-3.0	7090	0	Household ID number

File IDENTIFICATION

#	Name	Label	Type	Format	Valid	Invalid	Question
8	hm11	Name of head	discrete	character-34	7090	0	-
9	hh5d	Day of interview	continuous	numeric-2.0	-	-	Day of interview
10	hh5m	Month of interview	discrete	numeric-2.0	7090	0	Month of interview
11	hh5y	Year of interview	discrete	numeric-4.0	7090	0	Year of interview
12	conscent	May I start the interview, now?	discrete	numeric-1.0	7089	1	MAY, I START NOW?
13	disposit ..	DispositionCode	discrete	numeric-1.0	7089	1	Disposition Code
14	latitude	LATITUDE	continuous	numeric-7.2	-	-	LATITUDE
15	longitude	LONGITUDE	continuous	numeric-7.2	7076	14	LONGITUDE
16	tot_hhsize	Total huosehold members	continuous	numeric-2.0	6819	271	-
17	tot_elig ..	Total eligible children	discrete	numeric-2.0	6818	272	-
18	line_resp	Line number of respondent	discrete	numeric-2.0	-	-	-
19	sector	sector	discrete	numeric-1.0	7090	0	-
20	zone	ZONE	discrete	numeric-1.0	7090	0	-
21	pop_weight	-	continuous	numeric-8.2	7090	0	-
22	normaliz ..	-	continuous	numeric-4.2	7090	0	-

File IMMUNIZATION

#	Name	Label	Type	Format	Valid	Invalid	Question
1	hm01	State	discrete	numeric-2.0	10153	0	State name
2	hm03	Cluster	continuous	numeric-4.0	10153	0	Cluster number
3	hm09	Household Number	continuous	numeric-3.0	10153	0	Household ID number
4	hm11	Name of head	discrete	character-34	10153	0	Name of head
5	hm21	Child Line number	continuous	numeric-2.0	10153	0	Child listing number
6	hm24	SEX OF HOUSEHOLD MEMBER	discrete	numeric-1.0	10153	0	Sex
7	sia12a	Child Name	discrete	character-25	10153	0	Child Name
8	s1a09d	Day of interview	continuous	numeric-2.0	-	-	Day of interview
9	s1a09m	Month of interview	discrete	numeric-2.0	10153	0	Month of interview
10	s1a09y	Year of interview	discrete	numeric-4.0	-	-	Year of interview
11	line_res ..	LINE NUMBER OF RESPONDENT	continuous	numeric-2.0	10153	0	LINE NUMBER OF RESPONDENT
12	conscent ..	Conscent	discrete	numeric-1.0	10153	0	MAY, I START NOW?
13	response ..	Response status	discrete	numeric-1.0	10152	1	SIA93. Disposition Code
14	sia10h	hours	continuous	numeric-2.0	-	-	Start time of interview -Hours
15	sia10m	minutes	continuous	numeric-2.0	-	-	Start time of interview -Minutes
16	d1a	Day	discrete	numeric-2.0	-	-	ON WHAT DAY WAS (name) BORN?
17	d1b	Month	discrete	numeric-2.0	10152	1	ON WHAT MONTH WAS (name) BORN?
18	d1c	Year	discrete	numeric-4.0	10152	1	ON WHAT YEAR WAS (name) BORN?

File IMMUNIZATION

#	Name	Label	Type	Format	Valid	Invalid	Question
19	d2	Age	continuous	numeric-2.0	10152	1	HOW OLD IS (name)?
20	s1a17	SIA17. WAS THE CHILD LIVING HERE DURING THE CAMPAIGN? (MENTION THE CAMPAIGN DATE	discrete	numeric-1.0	10152	1	WAS THE CHILD LIVING HERE DURING THE CAMPAIGN? (MEASLES VACCINATION CAMPAIGN IN NOVEMBER/ DECEMBER 2017)?
21	s1a18	SIA18 WHAT WAS THE MAIN SOURCE OF INFORMATION ABOUT THE CAMPAIGN?	discrete	numeric-2.0	10152	1	WHAT WAS THE PRIMARY SOURCE OF INFORMATION ABOUT THE OCCURRENCE OF THE CAMPAIGN?
22	s1a19	SIA19. WHAT WAS THE PRIMARY SOURCE OF INFORMATION ABOUT THE OCCURRENCE OF THE CA	discrete	character-24	39	0	IF OTHER IN 18, PLEASE SPECIFY
23	s1a20	SIA20. DID THE CHILD RECEIVE THE MEASLES VACCINE DURING THE RECENT CAMPAIGN	discrete	numeric-2.0	10152	1	DID THE CHILD RECEIVE THE MEASLES VACCINE DURING THE RECENT CAMPAIGN (MEASLES VACCINATION CAMPAIGN IN NOVEMBER/DECEMBER 2017)?
24	s1a21	SIA21. DID THE CHILD RECEIVE A VACCINATION CARD AFTER RECEIVING THE MEASLES VACC	discrete	numeric-1.0	8951	1202	DID THE CHILD RECEIVE A VACCINATION CARD AFTER RECEIVING THE MEASLES VACCINE DURING THE RECENT CAMPAIGN?
25	s1a22	SIA22. WAS THE FINGER OF THE CHILD MARKED WITH A PEN AFTER RECEIVING THE MEASLES	discrete	numeric-1.0	8951	1202	WAS THE FINGER OF THE CHILD MARKED WITH A PEN AFTER RECEIVING THE MEASLES VACCINE DURING THE CAMPAIGN?
26	s1a23	SIA23. DID THE CHILD DEVELOP A REACTION IN THE MONTHS FOLLOWING THE VACCINATION?	discrete	numeric-1.0	8951	1202	DID THE CHILD DEVELOP A REACTION AFTER THE VACCINATION?
27	s1a24a	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Fever between 7 and 12 days following vaccination? ..... A
28	s1a24b	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	General rash between 7 and 10 days following vaccination? ..... B
29	s1a24c	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Pain at the site of injection? C
30	s1a24d	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Problems with hearing or vision? ..... D
31	s1a24e	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Extreme drowsiness, fainting? ..... E
32	s1a24f	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Fussiness, irritability, crying for an hour or longer? ..... F
33	s1a24g	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Early bruising or bleeding, unusual weakness? . G

File IMMUNIZATION

#	Name	Label	Type	Format	Valid	Invalid	Question
34	s1a24h	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Difficulty in breathing or swallowing? ..... H
35	s1a24i	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Itching, especially of feet or hands? I
36	s1a24j	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Hives (other itching or irrigation)? ..... J
37	s1a24k	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Seizure (black-out or convulsions); or High fever (within a few hours or a few days after the vaccine)? ..... K
38	s1a24l	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Pain or tiredness of eyes, swelling, or a lump where the shot was given? L
39	s1a24m	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Headache (severe or continuing)? ..... M
40	s1a24n	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Confusion or dizziness? ..... N
41	s1a24o	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	low fever; joint or muscle pain? ..... O
42	s1a24p	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	numeric-1.0	2157	7996	Other (specify) ..... P
43	s1a24sspc	SIA24. IF YES, WHAT WAS THE PROBLEM?	discrete	character-1	0	0	IF 'OTHER' TO SIA24, SPECIFY
44	s1a25	SIA25. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY	discrete	numeric-2.0	1166	8987	F THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY?
45	s1a26	SIA26. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY	discrete	character-25	102	0	IF 'OTHER' TO SIA25, PLEASE SPECIFY
46	s1a27	SIA27 APART FROM CAMPAIGN, HAD THE CHILD ALREADY RECEIVED THE MEASLES VACCINE?	discrete	numeric-1.0	10151	2	BEFORE THE CAMPAIGN, HAD THE CHILD ALREADY RECEIVED THE MEASLES VACCINE?
47	s1a27a	SIA27A: REQUEST TO BE SHOWN VACCINATION CARD FOR (NAME)	discrete	numeric-1.0	5569	4584	REQUEST TO BE SHOWN VACCINATION CARD FOR (NAME)
48	s1a28d	SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D	discrete	numeric-2.0	1967	8186	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 1ST MEASLES VACCINATION
49	s1a28m	SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D	discrete	numeric-2.0	1655	8498	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 2ND MEASLES VACCINATION

File IMMUNIZATION

#	Name	Label	Type	Format	Valid	Invalid	Question
50	s1a28y	SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D	discrete	numeric-4.0	1655	8498	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 3RD MEASLES VACCINATION
51	s1a35h	hours	continuous	numeric-2.0	-	-	Hour
52	s1a35m	minutes	continuous	numeric-2.0	-	-	minutes
53	sector	sector	discrete	numeric-1.0	10153	0	-
54	reasons_ ..	Reason for not vaccinated	discrete	numeric-1.0	1166	8987	Reason for not vaccinated
55	zone	ZONE	discrete	numeric-1.0	10153	0	-
56	age_group	Age-group	discrete	numeric-1.0	10153	0	-
57	pop_weight	-	continuous	numeric-8.2	10153	0	-
58	normaliz ..	-	continuous	numeric-4.2	10153	0	-

Variables Description

Dataset contains 99 variable(s)

File : HOUSEHOLD ROSTER

hm01: State

Information	[Type= discrete] [Format=numeric] [Range= 1-37] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-]
Literal question	State name

Value	Label	Cases	Percentage
1	Abia	884	2.0%
2	Adamawa	1587	3.7%
3	Akwa Ibom	1153	2.7%
4	Anambra	897	2.1%
5	Bauchi	1638	3.8%
6	Bayelsa	1021	2.4%
7	Benue	1278	3.0%
8	Borno	1649	3.8%
9	Cross River	843	1.9%
10	Delta	989	2.3%
11	Ebonyi	1054	2.4%
12	Edo	900	2.1%
13	Ekiti	730	1.7%
14	Enugu	856	2.0%
15	Gombe	1413	3.3%
16	Imo	874	2.0%
17	Jigawa	1690	3.9%
18	Kaduna	1307	3.0%
19	Kano	1518	3.5%
20	Katsina	1592	3.7%
21	Kebbi	1520	3.5%
22	Kogi	872	2.0%
23	Kwara	961	2.2%
24	Lagos	859	2.0%
25	Nasarawa	1084	2.5%
26	Niger	1606	3.7%
27	Ogun	889	2.1%
28	Ondo	976	2.3%
29	Osun	735	1.7%
30	Oyo	927	2.1%
31	Plateau	1199	2.8%
32	Rivers	756	1.7%
33	Sokoto	1412	3.3%
34	Taraba	1271	2.9%
35	Yobe	1707	3.9%
36	Zamfara	1474	3.4%
37	FCT	1199	2.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm03: Cluster

Information	[Type= continuous] [Format=numeric] [Range= 1-1104] [Missing=*]

File : HOUSEHOLD ROSTER

hm03: Cluster

Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-] [Mean=557.13 /-] [StdDev=322.8 /-]
Literal question	Cluster number

hm09: Household Number

Information	[Type= continuous] [Format=numeric] [Range= 1-166] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-] [Mean=15.229 /-] [StdDev=11.873 /-]
Literal question	Household ID number

hm11: Name of head

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-]
Literal question	Name of head

hm21: Member Line Number

Information	[Type= continuous] [Format=numeric] [Range= 1-30] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-]
Literal question	SN

hm22: NAME OF HOUSEHOLD MEMBER

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=0 /-]
Literal question	NAME OF HOUSEHOLD MEMBER

hm23: RELATIONSHIP OF HOUSEHOLD MEMBER TO HOUSEHOLD HEAD

Information	[Type= discrete] [Format=numeric] [Range= 1-98] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	RELATIONSHIP OF HOUSEHOLD MEMBER TO HOUSEHOLD HEAD

Value	Label	Cases	Percentage
1	Head	6819	15.7%
2	Spouse / Partner	7123	16.4%
3	Son / Daughter	25982	60.0%
4	Son-In-Law / Daughter-In-Law	264	0.6%
5	Grandchild	1625	3.8%
6	Parent	281	0.6%
7	Parent-In-Law	43	0.1%
8	Brother / Sister	438	1.0%
9	Brother-In-Law / Sister-In-Law	134	0.3%
10	Uncle / Aunt	27	0.1%
11	Niece / Nephew	335	0.8%
12	Other relative	113	0.3%
13	Adopted / Foster/ Stepchild	87	0.2%
96	Other (Not related)	39	0.1%
98	Don?t know	9	0.0%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : HOUSEHOLD ROSTER

hm24: SEX OF HOUSEHOLD MEMBER

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	SEX OF CHILD
Interviewer's instructions	1 MALE 2 FEMALE

Value	Label	Cases	Percentage
1	MALE	21194	48.9%
2	FEMALE	22125	51.1%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm25: DID THE HOUSEHOLD MEMBER SLEEP HERE LAST NIGHT?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	DID THE HOUSEHOLD MEMBER SLEEP HERE LAST NIGHT?

Value	Label	Cases	Percentage
1	Yes	41880	96.7%
2	No	1439	3.3%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm26d: DATE OF BIRTH (DD)

Information	[Type= discrete] [Format=numeric] [Range= 1-31] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	DATE OF BIRTH (DD)

Value	Label	Cases	Percentage
1		1830	4.2%
2		1964	4.5%
3		1636	3.8%
4		1263	2.9%
5		2136	4.9%
6		1388	3.2%
7		1153	2.7%
8		1356	3.1%
9		1136	2.6%
10		1619	3.7%
11		951	2.2%
12		1973	4.6%
13		914	2.1%
14		1135	2.6%
15	DK	9918	22.9%
16		933	2.2%
17		841	1.9%
18		1006	2.3%
19		891	2.1%

File : HOUSEHOLD ROSTER

hm26d: DATE OF BIRTH (DD)

Value	Label	Cases	Percentage
20		1525	3.5%
21		658	1.5%
22		894	2.1%
23		859	2.0%
24		568	1.3%
25		1099	2.5%
26		642	1.5%
27		646	1.5%
28		838	1.9%
29		558	1.3%
30		696	1.6%
31		293	0.7%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm26m: DATE OF BIRTH (MM)

Information	[Type= discrete] [Format=numeric] [Range= 1-13] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	DATE OF BIRTH (MM)

Value	Label	Cases	Percentage
1	January	4226	9.8%
2	February	3923	9.1%
3	March	4161	9.6%
4	April	3599	8.3%
5	May	3341	7.7%
6	June	3217	7.4%
7	July	2782	6.4%
8	August	3182	7.3%
9	September	2675	6.2%
10	October	2777	6.4%
11	November	2177	5.0%
12	December	2496	5.8%
13	DK	4763	11.0%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm26y: DATE OF BIRTH (YYYY)

Information	[Type= continuous] [Format=numeric] [Range= 1900-2018] [Missing=*]
Literal question	DATE OF BIRTH (YYYY)

hm27: Age (Years)

Information	[Type= continuous] [Format=numeric] [Range= 0-109] [Missing=*]
Statistics [NW/ W]	[Valid=43319 /-] [Invalid=1 /-]
Literal question	AGE AT TIME OF CAMPAIGN - NOVEMBER 2017 (COMPLETED YEARS)

File : HOUSEHOLD ROSTER

hm28: Age (Months)

Information	[Type= continuous] [Format=numeric] [Range= -2-94] [Missing=*]
Statistics [NW/ W]	[Valid=12584 /-] [Invalid=30736 /-] [Mean=34.601 /-] [StdDev=18.684 /-]
Literal question	AGE AT TIME OF CAMPAIGN - NOVEMBER 2017
Interviewer's instructions	COMPLETED MONTHS FOR ALL CHILDREN LESS THAN 6 YEARS

hm29: DID THE CHILD LIVE HERE DURING THE CAMPAIGN

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=43320 /-]
Literal question	DID THE CHILD LIVE HERE DURING THE CAMPAIGN?
Interviewer's instructions	(COMPLETE ONLY FOR CHILDREN 9-59 MONTHS)

Value	Label	Cases	Percentage
1	Yes	0	
2	No	0	
Sysmiss		43320	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

sector: sector

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-]
Imputation	sector

Value	Label	Cases	Percentage
1		9649	22.3%
2		33671	77.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

zone: ZONE

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-]
Imputation	ZONE

Value	Label	Cases	Percentage
1	North Central	8199	18.9%
2	North East	9265	21.4%
3	North West	10513	24.3%
4	South East	4565	10.5%
5	South South	5662	13.1%
6	South West	5116	11.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

pop_weight

Information	[Type= continuous] [Format=numeric] [Range= 533.900024414062-32439] [Missing=*]
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-] [Mean=3562.776 /-] [StdDev=3022.422 /-]
Recoding and Derivation	pop_weight

normalize_wt

Information	[Type= continuous] [Format=numeric] [Range= 0.291666656732559-4.54166650772095] [Missing=*]

File : HOUSEHOLD ROSTER

# **normalize_wt**	
Statistics [NW/ W]	[Valid=43320 /-] [Invalid=0 /-] [Mean=1.021 /-] [StdDev=0.456 /-]
Recoding and Derivation	normalize_wt

File : IDENTIFICATION

hm01: State

Information	[Type= discrete] [Format=numeric] [Range= 1-37] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	State ID number

Value	Label	Cases	Percentage
1	Abia	186	2.6%
2	Adamawa	208	2.9%
3	Akwa Ibom	205	2.9%
4	Anambra	179	2.5%
5	Bauchi	210	3.0%
6	Bayelsa	184	2.6%
7	Benue	207	2.9%
8	Borno	210	3.0%
9	Cross River	179	2.5%
10	Delta	180	2.5%
11	Ebonyi	202	2.8%
12	Edo	180	2.5%
13	Ekiti	156	2.2%
14	Enugu	163	2.3%
15	Gombe	210	3.0%
16	Imo	171	2.4%
17	Jigawa	208	2.9%
18	Kaduna	190	2.7%
19	Kano	210	3.0%
20	Katsina	210	3.0%
21	Kebbi	210	3.0%
22	Kogi	162	2.3%
23	Kwara	166	2.3%
24	Lagos	201	2.8%
25	Nasarawa	166	2.3%
26	Niger	207	2.9%
27	Ogun	195	2.8%
28	Ondo	204	2.9%
29	Osun	152	2.1%
30	Oyo	184	2.6%
31	Plateau	193	2.7%
32	Rivers	169	2.4%
33	Sokoto	206	2.9%
34	Taraba	206	2.9%
35	Yobe	210	3.0%
36	Zamfara	210	3.0%
37	FCT	201	2.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm02: State Name

Information	[Type= discrete] [Format=character] [Missing=*]

File : IDENTIFICATION

hm02: State Name

Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	State Name

Value	Label	Cases	Percentage
Abia		186	2.6%
Adamawa		208	2.9%
Akwa Ibom		205	2.9%
Anambra		179	2.5%
Bauchi		210	3.0%
Bayelsa		184	2.6%
Benue		207	2.9%
Borno		210	3.0%
Cross River		179	2.5%
Delta		180	2.5%
Ebonyi		202	2.8%
Edo		180	2.5%
Ekiti		156	2.2%
Enugu		163	2.3%
FCT-Abuja		201	2.8%
Gombe		210	3.0%
Imo		171	2.4%
Jigawa		208	2.9%
Kaduna		190	2.7%
Kano		210	3.0%
Katsina		210	3.0%
Kebbi		210	3.0%
Kogi		162	2.3%
Kwara		166	2.3%
Lagos		201	2.8%
Nasarawa		166	2.3%
Niger		207	2.9%
Ogun		195	2.8%
Ondo		204	2.9%
Osun		152	2.1%
Oyo		184	2.6%
Plateau		193	2.7%
Rivers		169	2.4%
Sokoto		206	2.9%
Taraba		206	2.9%
Yobe		210	3.0%
Zamfara		210	3.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm03: Cluster

Information	[Type= continuous] [Format=numeric] [Range= 1-1104] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]

File : IDENTIFICATION

hm03: Cluster

Literal question	Cluster number

hm04: Cluster name

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	Cluster name

hm5: Interviewer

Information	[Type= continuous] [Format=numeric] [Range= 11-53] [Missing=*]
Literal question	Interviewer name

hm7: Supervisor

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	Supervisor name

Value	Label	Cases	Percentage
1	TEAM1	1385	19.5%
2	TEAM2	1460	20.6%
3	TEAM3	1432	20.2%
4	TEAM4	1411	19.9%
5	TEAM5	1402	19.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm09: Household Number

Information	[Type= continuous] [Format=numeric] [Range= 1-166] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	Household ID number

hm11: Name of head

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Imputation	Name of head

hh5d: Day of interview

Information	[Type= continuous] [Format=numeric] [Range= 1-31] [Missing=*]
Literal question	Day of interview

hh5m: Month of interview

Information	[Type= discrete] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Literal question	Month of interview

Value	Label	Cases	Percentage
1	January	1985	28.0%
2	February	710	10.0%
3	March	975	13.8%
4	April	3033	42.8%

File : IDENTIFICATION

hh5m: Month of interview

Value	Label	Cases	Percentage
5	May	387	5.5%
6	June	0	
7	July	0	
8	August	0	
9	September	0	
10	October	0	
11	November	0	
12	December	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hh5y: Year of interview

Information	[Type= discrete] [Format=numeric] [Range= 2018-2018] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-] [Mean=2018 /-] [StdDev=0 /-]
Literal question	Year of interview

Value	Label	Cases	Percentage
2018		7090	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

conscent: May I start the interview, now?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=7089 /-] [Invalid=1 /-]
Literal question	MAY, I START NOW?
Post-question	YES ----1 NO-----2 DISCUSS WITH SUPERVISOR BEFORE ENDING INTERVIEW

Value	Label	Cases	Percentage
1	Yes	6819	96.2%
2	No	270	3.8%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

dispositioncode: DispositionCode

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=7089 /-] [Invalid=1 /-]
Literal question	Disposition Code

Value	Label	Cases	Percentage
1	Return Later	0	
2	Come back later; interview started but could not complete	0	
3	Refused	270	3.8%
4	Completed	6819	96.2%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

latitude: LATITUDE

Information	[Type= continuous] [Format=numeric] [Range= 0-1234] [Missing=*]
Literal question	LATITUDE

File : IDENTIFICATION

longitude: LONGITUDE

Information	[Type= continuous] [Format=numeric] [Range= 0-1234] [Missing=*]
Statistics [NW/ W]	[Valid=7076 /-] [Invalid=14 /-]
Literal question	LONGITUDE

tot_hhsize: Total huosehold members

Information	[Type= continuous] [Format=numeric] [Range= 1-30] [Missing=*]
Statistics [NW/ W]	[Valid=6819 /-] [Invalid=271 /-] [Mean=6.353 /-]
Recoding and Derivation	Total household members

tot_eligible: Total eligible children

Information	[Type= discrete] [Format=numeric] [Range= 0-12] [Missing=*]
Statistics [NW/ W]	[Valid=6818 /-] [Invalid=272 /-]
Recoding and Derivation	Total eligible children

Value	Label	Cases	Percentage
0		466	6.8%
1		3559	52.2%
2		2101	30.8%
3		478	7.0%
4		149	2.2%
5		47	0.7%
6		10	0.1%
7		4	0.1%
8		2	0.0%
9		1	0.0%
12		1	0.0%
Sysmiss		272	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

line_resp: Line number of respondent

Information	[Type= discrete] [Format=numeric] [Range= 1-17] [Missing=*]
Recoding and Derivation	SN

sector: sector

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Imputation	sector

Value	Label	Cases	Percentage
1		1791	25.3%
2		5299	74.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

zone: ZONE

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-]
Imputation	ZONE

File : IDENTIFICATION

zone: ZONE

Value	Label	Cases	Percentage
1	North Central	1302	18.4%
2	North East	1254	17.7%
3	North West	1444	20.4%
4	South East	901	12.7%
5	South South	1097	15.5%
6	South West	1092	15.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

pop_weight

Information	[Type= continuous] [Format=numeric] [Range= 533.900024414062-32439] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-] [Mean=3693.34 /-] [StdDev=3393.715 /-]
Post-question	pop_weight

normalize_wt

Information	[Type= continuous] [Format=numeric] [Range= 0.291666656732559-4.54166650772095] [Missing=*]
Statistics [NW/ W]	[Valid=7090 /-] [Invalid=0 /-] [Mean=1.017 /-] [StdDev=0.454 /-]
Recoding and Derivation	normalize_wt

File : IMMUNIZATION

hm01: State

Information	[Type= discrete] [Format=numeric] [Range= 1-37] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	State name

Value	Label	Cases	Percentage
1	Abia	222	2.2%
2	Adamawa	324	3.2%
3	Akwa Ibom	278	2.7%
4	Anambra	259	2.6%
5	Bauchi	425	4.2%
6	Bayelsa	251	2.5%
7	Benue	288	2.8%
8	Borno	311	3.1%
9	Cross River	179	1.8%
10	Delta	223	2.2%
11	Ebonyi	244	2.4%
12	Edo	231	2.3%
13	Ekiti	194	1.9%
14	Enugu	221	2.2%
15	Gombe	339	3.3%
16	Imo	215	2.1%
17	Jigawa	394	3.9%
18	Kaduna	289	2.8%
19	Kano	324	3.2%
20	Katsina	409	4.0%
21	Kebbi	365	3.6%
22	Kogi	214	2.1%
23	Kwara	234	2.3%
24	Lagos	216	2.1%
25	Nasarawa	248	2.4%
26	Niger	364	3.6%
27	Ogun	236	2.3%
28	Ondo	243	2.4%
29	Osun	178	1.8%
30	Oyo	204	2.0%
31	Plateau	245	2.4%
32	Rivers	173	1.7%
33	Sokoto	295	2.9%
34	Taraba	270	2.7%
35	Yobe	391	3.9%
36	Zamfara	398	3.9%
37	FCT	259	2.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

hm03: Cluster

Information	[Type= continuous] [Format=numeric] [Range= 1-1104] [Missing=*]

File : IMMUNIZATION

hm03: Cluster

Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Cluster number

hm09: Household Number

Information	[Type= continuous] [Format=numeric] [Range= 1-166] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Household ID number

hm11: Name of head

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Name of head

hm21: Child Line number

Information	[Type= continuous] [Format=numeric] [Range= 1-30] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Child listing number

hm24: SEX OF HOUSEHOLD MEMBER

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Sex

Value	Label	Cases	Percentage
1	MALE	5157	50.8%
2	FEMALE	4996	49.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

sia12a: Child Name

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Child Name

s1a09d: Day of interview

Information	[Type= continuous] [Format=numeric] [Range= 1-31] [Missing=*]
Literal question	Day of interview

s1a09m: Month of interview

Information	[Type= discrete] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	Month of interview

Value	Label	Cases	Percentage
1	January	3404	33.5%
2	February	1125	11.1%
3	March	1408	13.9%
4	April	3765	37.1%
5	May	451	4.4%

File : IMMUNIZATION

s1a09m: Month of interview

Value	Label	Cases	Percentage
6	June	0	
7	July	0	
8	August	0	
9	September	0	
10	October	0	
11	November	0	
12	December	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a09y: Year of interview

Information	[Type= discrete] [Format=numeric] [Range= 2018-2018] [Missing=*]
Literal question	Year of interview

line_resp_child: LINE NUMBER OF RESPONDENT

Information	[Type= continuous] [Format=numeric] [Range= 1-27] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	LINE NUMBER OF RESPONDENT

conscent_child: Conscent

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Literal question	MAY, I START NOW?

Value	Label	Cases	Percentage
1	Yes	10153	100.0%
2	No	0	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

response_status: Response status

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Literal question	SIA93. Disposition Code

Value	Label	Cases	Percentage
1	Return Later	0	
2	Come back later; interview started but could not complete	0	
3	Refused	0	
4	Completed	10152	100.0%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

sia10h: hours

Information	[Type= continuous] [Format=numeric] [Range= 0-23] [Missing=*]
Literal question	Start time of interview -Hours

sia10m: minutes

Information	[Type= continuous] [Format=numeric] [Range= 0-59] [Missing=*]

File : IMMUNIZATION

sia10m: minutes

Literal question	Start time of interview -Minutes

d1a: Day

Information	[Type= discrete] [Format=numeric] [Range= 1-31] [Missing=*]
Pre-question	NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE DEVELOPMENT AND HEALTH OF (name).
Literal question	ON WHAT DAY WAS (name) BORN?
Interviewer's instructions	Probe: WHAT IS HIS/HER BIRTHDAY? If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day. Month and year must be recorded.

d1b: Month

Information	[Type= discrete] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Pre-question	NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE DEVELOPMENT AND HEALTH OF (name).
Literal question	ON WHAT MONTH WAS (name) BORN?
Interviewer's instructions	Probe: WHAT IS HIS/HER BIRTHDAY? If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day. Month and year must be recorded.

Value	Label	Cases	Percentage
1	January	1134	11.2%
2	February	987	9.7%
3	March	1034	10.2%
4	April	929	9.2%
5	May	893	8.8%
6	June	819	8.1%
7	July	784	7.7%
8	August	741	7.3%
9	September	712	7.0%
10	October	775	7.6%
11	November	670	6.6%
12	December	674	6.6%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

d1c: Year

Information	[Type= discrete] [Format=numeric] [Range= 2013-2017] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Pre-question	NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT THE DEVELOPMENT AND HEALTH OF (name).
Literal question	ON WHAT YEAR WAS (name) BORN?
Interviewer's instructions	Probe: WHAT IS HIS/HER BIRTHDAY? If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day. Month and year must be recorded.

Value	Label	Cases	Percentage
2013		2189	21.6%
2014		2571	25.3%
2015		2329	22.9%
2016		2341	23.1%
2017		722	7.1%

File : IMMUNIZATION

d1c: Year

Value	Label	Cases	Percentage
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

d2: Age

Information	[Type= continuous] [Format=numeric] [Range= 9-60] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-] [Mean=36.187 /-] [StdDev=14.481 /-]
Literal question	HOW OLD IS (name)?
Post-question	If age is <9 months or >60 months go to next child, otherwise end interview
Interviewer's instructions	Probe: HOW OLD WAS (name) AT HIS/HER LAST BIRTHDAY? Record age in completed months. Record '0' if less than 1 month. Compare and correct AG1 and/or AG2 if inconsistent.

s1a17: SIA17. WAS THE CHILD LIVING HERE DURING THE CAMPAIGN? (MENTION THE CAMPAIGN DATE

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Literal question	WAS THE CHILD LIVING HERE DURING THE CAMPAIGN? (MEASLES VACCINATION CAMPAIGN IN NOVEMBER/DECEMBER 2017)?

Value	Label	Cases	Percentage
1	Yes	9861	97.1%
2	No	291	2.9%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a18: SIA18 WHAT WAS THE MAIN SOURCE OF INFORMATION ABOUT THE CAMPAIGN?

Information	[Type= discrete] [Format=numeric] [Range= 1-66] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Literal question	WHAT WAS THE PRIMARY SOURCE OF INFORMATION ABOUT THE OCCURRENCE OF THE CAMPAIGN?
Post-question	66 => SIA19

Value	Label	Cases	Percentage
1	Not informed	391	3.9%
2	Radio	973	9.6%
3	Television	75	0.7%
4	Internet	7	0.1%
5	Criers	2204	21.7%
6	Community health workers	2778	27.4%
7	School	436	4.3%
8	Family	80	0.8%
9	Neighbour, friend	362	3.6%
10	Village chief	1246	12.3%
11	Religious leader	728	7.2%
12	Community mobilisers	832	8.2%
66	Other (specify below)	40	0.4%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : IMMUNIZATION

s1a19: SIA19. WHAT WAS THE PRIMARY SOURCE OF INFORMATION ABOUT THE OCCURRENCE OF THE CA

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=39 /-] [Invalid=0 /-]
Literal question	IF OTHER IN 18, PLEASE SPECIFY
Interviewer's instructions	(Ask the question first, after the person has answered, go through the list of answers to select the primary source.)

Value	Label	Cases	Percentage
ASBENT AT HOME		1	2.6%
CHURCH		7	17.9%
FRIEND		1	2.6%
HOSPITAL		1	2.6%
HOSPITAL MATERNITY		1	2.6%
INFORMED LATE		1	2.6%
MOSQUE		3	7.7%
NO CAMPAIGN HERE		1	2.6%
NO INFORMATION		1	2.6%
NO MEASLES CAMPAIGN HERE		1	2.6%
NO REASON		1	2.6%
NON		1	2.6%
NOT AROUND		1	2.6%
ON VISITATION		3	7.7%
ONLY ON COMMENCEME		1	2.6%
SEND HIM A LETTER		1	2.6%
SHE IS AWARE		1	2.6%
STOP HER ALONG THE ROAD		1	2.6%
TEXT MESSAGE		1	2.6%
THROUGH SMS		1	2.6%
TRAVEL		1	2.6%
VACCINE GOT FINISHED		1	2.6%
VCM		5	12.8%
VISITATION		1	2.6%
WAS ABSENT		1	2.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : IMMUNIZATION

s1a20: SIA20. DID THE CHILD RECEIVE THE MEASLES VACCINE DURING THE RECENT CAMPAIGN

Information	[Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*]
Statistics [NW/ W]	[Valid=10152 /-] [Invalid=1 /-]
Literal question	DID THE CHILD RECEIVE THE MEASLES VACCINE DURING THE RECENT CAMPAIGN (MEASLES VACCINATION CAMPAIGN IN NOVEMBER/DECEMBER 2017)?
Post-question	1 => SIA21 3 => SIA25 9 =>SIA27

Value	Label	Cases	Percentage
1	Yes	8951	88.2%
2	No	1166	11.5%
99	Don?t know	35	0.3%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a21: SIA21. DID THE CHILD RECEIVE A VACCINATION CARD AFTER RECEIVING THE MEASLES VACC

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=8951 /-] [Invalid=1202 /-]
Literal question	DID THE CHILD RECEIVE A VACCINATION CARD AFTER RECEIVING THE MEASLES VACCINE DURING THE RECENT CAMPAIGN?

Value	Label	Cases	Percentage
1	Yes, card seen	5240	58.5%
2	Yes, card not seen	3311	37.0%
3	No card	383	4.3%
9	Don?t know	17	0.2%
Sysmiss		1202	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a22: SIA22. WAS THE FINGER OF THE CHILD MARKED WITH A PEN AFTER RECEIVING THE MEASLES

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=8951 /-] [Invalid=1202 /-]
Literal question	WAS THE FINGER OF THE CHILD MARKED WITH A PEN AFTER RECEIVING THE MEASLES VACCINE DURING THE CAMPAIGN?

Value	Label	Cases	Percentage
1	Yes, mark seen on the child	1727	19.3%
2	Yes, child not available to check/Mark not seen	6789	75.8%
3	No	408	4.6%
9	Don?t know	27	0.3%
Sysmiss		1202	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a23: SIA23. DID THE CHILD DEVELOP A REACTION IN THE MONTHS FOLLOWING THE VACCINATION?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=8951 /-] [Invalid=1202 /-]
Literal question	DID THE CHILD DEVELOP A REACTION AFTER THE VACCINATION?
Post-question	01?SIA24 02?SIA25

File : IMMUNIZATION

s1a23: SIA23. DID THE CHILD DEVELOP A REACTION IN THE MONTHS FOLLOWING THE VACCINATION?

Value	Label	Cases	Percentage
1	Yes	2157	24.1%
2	No	6794	75.9%
Sysmiss		1202	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24a: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Fever between 7 and 12 days following vaccination? ..... A

Value	Label	Cases	Percentage
1	Yes	1024	47.5%
2	No	1133	52.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24b: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	General rash between 7 and 10 days following vaccination? ..... B

Value	Label	Cases	Percentage
1	Yes	124	5.7%
2	No	2033	94.3%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24c: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Pain at the site of injection? C

Value	Label	Cases	Percentage
1	Yes	829	38.4%
2	No	1328	61.6%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24d: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Problems with hearing or vision? ..... D

Value	Label	Cases	Percentage
1	Yes	18	0.8%
2	No	2139	99.2%
Sysmiss		7996	

File : IMMUNIZATION

s1a24d: SIA24. IF YES, WHAT WAS THE PROBLEM?

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24e: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Extreme drowsiness, fainting? ..... E

Value	Label	Cases	Percentage
1	Yes	14	0.6%
2	No	2143	99.4%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24f: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Fussiness, irritability, crying for an hour or longer? ..... F

Value	Label	Cases	Percentage
1	Yes	53	2.5%
2	No	2104	97.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24g: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Early bruising or bleeding, unusual weakness? . G

Value	Label	Cases	Percentage
1	Yes	14	0.6%
2	No	2143	99.4%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24h: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Difficulty in breathing or swallowing? ..... H

Value	Label	Cases	Percentage
1	Yes	11	0.5%
2	No	2146	99.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24i: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Itching, especially of feet or hands? I

File : IMMUNIZATION

s1a24i: SIA24. IF YES, WHAT WAS THE PROBLEM?

Value	Label	Cases	Percentage
1	Yes	123	5.7%
2	No	2034	94.3%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24j: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Hives (other itching or irrigation)? ..... J

Value	Label	Cases	Percentage
1	Yes	11	0.5%
2	No	2146	99.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24k: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Seizure (black-out or convulsions); or High fever (within a few hours or a few days after the vaccine)? ..... K

Value	Label	Cases	Percentage
1	Yes	33	1.5%
2	No	2124	98.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24l: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Pain or tiredness of eyes, swelling, or a lump where the shot was given? L

Value	Label	Cases	Percentage
1	Yes	34	1.6%
2	No	2123	98.4%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24m: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Headache (severe or continuing)? ..... M

Value	Label	Cases	Percentage
1	Yes	61	2.8%
2	No	2096	97.2%
Sysmiss		7996	

File : IMMUNIZATION

s1a24m: SIA24. IF YES, WHAT WAS THE PROBLEM?

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24n: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Confusion or dizziness? ..... N

Value	Label	Cases	Percentage
1	Yes	10	0.5%
2	No	2147	99.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24o: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	low fever; joint or muscle pain? ..... O

Value	Label	Cases	Percentage
1	Yes	205	9.5%
2	No	1952	90.5%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24p: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=2157 /-] [Invalid=7996 /-]
Literal question	Other (specify) ..... P
Post-question	P => SIA24A

Value	Label	Cases	Percentage
1	Yes	46	2.1%
2	No	2111	97.9%
Sysmiss		7996	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a24sspc: SIA24. IF YES, WHAT WAS THE PROBLEM?

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]
Literal question	IF 'OTHER' TO SIA24, SPECIFY

s1a25: SIA25. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Information	[Type= discrete] [Format=numeric] [Range= 1-66] [Missing=*]
Statistics [NW/ W]	[Valid=1166 /-] [Invalid=8987 /-]
Literal question	F THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY?
Interviewer's instructions	(Ask the question first, after the person has answered, go through the list of answers to find the main reason for non-vaccination.)

File : IMMUNIZATION

s1a25: SIA25. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Value	Label	Cases	Percentage
1	Didn?t Know about the campaign	252	21.6%
2	Confused with other vaccines (believes that child has alread	36	3.1%
3	Subject or parent / guardian were missing	24	2.1%
4	Fear of injection	43	3.7%
5	Lack of confidence in vaccine	39	3.3%
6	Fear of side effects	45	3.9%
7	Site of vaccination not known	18	1.5%
8	Site of vaccination too far	15	1.3%
9	Time of vaccination unsuitable	39	3.3%
10	Waited too long at vaccination site	20	1.7%
11	Missing vaccinator at the site	58	5.0%
12	Not authorised by head of household	53	4.5%
13	Religious beliefs	4	0.3%
14	Sick at time of vaccination	63	5.4%
15	Absent during time of campaign	252	21.6%
16	Too busy to take child	52	4.5%
17	Child ill	12	1.0%
18	Mother ill	4	0.3%
19	Child already received measles vaccine	30	2.6%
66	Other (specify)	107	9.2%
Sysmiss		8987	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a26: SIA26. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=102 /-] [Invalid=0 /-]
Literal question	IF 'OTHER' TO SIA25, PLEASE SPECIFY

Value	Label	Cases	Percentage
AGE NOT REACH		1	1.0%
CARELESNESS		1	1.0%
CHILD ALREADY DONE MEASLE		1	1.0%
CHILD HAS NOT COMPLETED 9		1	1.0%
CHILD IS NOT UP TO 9MONTH		1	1.0%
CHILD IS TOO YOUNG		1	1.0%
CHIMEZIE DIED		1	1.0%

File : IMMUNIZATION

s1a26: SIA26. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Value	Label	Cases	Percentage
CRISIS		1	1.0%
FEAR OF INJECTION		1	1.0%
FINISHED BE FOR HER TURN		1	1.0%
HE WENT TO SCHOOL		1	1.0%
I MISPLACE THE CARD		1	1.0%
IMMUNISATION GOT FINISHED		2	2.0%
INELIGIBLE BY HEALTH WORK		1	1.0%
JUET 8 MONTH THEN		1	1.0%
LATE INFORMATION		1	1.0%
MICHEAL WAS DIED BY FEB.		1	1.0%
MISTAKEN OF AGE		1	1.0%
MISTOOK FOR POLIO		2	2.0%
MOTHER NOT AWARE		1	1.0%
MOTHER TRAVELED DURING		3	2.9%
MOTHER WAS NOT AROUND		1	1.0%
NO REASONS		1	1.0%
NO CAMPAIGN HERE		1	1.0%
NO ONE SEEN		1	1.0%
NO REASON		2	2.0%
NO VACCINE		1	1.0%
NO VACCINE ABILABLE		1	1.0%
NO VACCINE WAS BROUGHT		1	1.0%
NOT AVAILABE		1	1.0%
NOT AWARE OF THE DATE		1	1.0%
NOT AWRE THE DATE		1	1.0%

File : IMMUNIZATION

s1a26: SIA26. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Value	Label	Cases	Percentage
NOT GIVEN,DIDNT COME		1	1.0%
NOT RECEIVED		1	1.0%
NOTHING		1	1.0%
OLAMIDE'S GRANDDAD DIED		1	1.0%
PARENT NEGLIGENSE		6	5.9%
REFUSE BY VACCINATOR		1	1.0%
SHE TRAVEL		1	1.0%
SHE WAS LESSTHAN 9MONTH		1	1.0%
SHE WAS NOT ELIGIBLE		1	1.0%
THAT IS GIVEN ONLY ONCE		1	1.0%
THE BOY WAS REFUSED		1	1.0%
THE MOTHER NOT AT HOME		1	1.0%
THE TOWN WAS ATTACKED		2	2.0%
THE VACCINE GOT FINISHED		1	1.0%
THE VACCINE WAS NOT AVAIL		1	1.0%
THERE WAS CRISIS		2	2.0%
THEY ASK THEM TO WAIT.		1	1.0%
THEY DID NOT COME AT ALL		1	1.0%
THEY DID NOT COME TO THIC		1	1.0%
THEY TRAVEL		1	1.0%
TRAVEL		7	6.9%
TRAVELED		1	1.0%
TRAVELLED		1	1.0%

File : IMMUNIZATION

s1a26: SIA26. IF THE CHILD DID NOT RECEIVE THE MEASLES VACCINE DURING THE CAMPAIGN, WHY

Value	Label	Cases	Percentage
TRAVELLED WITH GRANDMUM		1	1.0%
UNDER AGE		2	2.0%
VACCCINE GOT FINISHED		1	1.0%
VACCINATORS DIDN'T COME		1	1.0%
VACCINATORS LEFT EARLY		2	2.0%
VACCINE ALREADY RECIEVED		1	1.0%
VACCINE GOT FINISHED		9	8.8%
VACCINE HAS FINICE		1	1.0%
VACCINE WAS NOT AVAILABLE		1	1.0%
WAS NOT AVAILABLE		4	3.9%
WAS NOT INTERESTED		1	1.0%
WE TRAVELED		3	2.9%
WENT TO SCHOOL		1	1.0%
WRONG INFORMATION.		1	1.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a27: SIA27 APART FROM CAMPAIGN, HAD THE CHILD ALREADY RECEIVED THE MEASLES VACCINE?

Information	[Type= discrete] [Format=numeric] [Range= 1-9] [Missing=*]
Statistics [NW/ W]	[Valid=10151 /-] [Invalid=2 /-]
Literal question	BEFORE THE CAMPAIGN, HAD THE CHILD ALREADY RECEIVED THE MEASLES VACCINE?

Value	Label	Cases	Percentage
1	Yes, dates on card	5567	54.8%
2	No	4258	41.9%
9	Don?t know	326	3.2%
Sysmiss		2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a27a: SIA27A: REQUEST TO BE SHOWN VACCINATION CARD FOR (NAME)

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5569 /-] [Invalid=4584 /-]
Literal question	REQUEST TO BE SHOWN VACCINATION CARD FOR (NAME)

File : IMMUNIZATION

s1a27a: SIA27A: REQUEST TO BE SHOWN VACCINATION CARD FOR (NAME)

Value	Label	Cases	Percentage
1	Yes, card seen	1968	35.3%
2	Yes, card not seen	3476	62.4%
3	No card	125	2.2%
Sysmiss		4584	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a28d: SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D

Information	[Type= discrete] [Format=numeric] [Range= 1-44] [Missing=*]
Statistics [NW/ W]	[Valid=1967 /-] [Invalid=8186 /-]
Literal question	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 1ST MEASLES VACCINATION
Interviewer's instructions	WRITE 44 IN THE DD FIELD IF THE VACCINATION IS MARKED ON THE CARD, BUT THERE IS NOT A CLEAR DATE

Value	Label	Cases	Percentage
1		38	1.9%
2		63	3.2%
3		63	3.2%
4		43	2.2%
5		55	2.8%
6		33	1.7%
7		55	2.8%
8		72	3.7%
9		70	3.6%
10		111	5.6%
11		74	3.8%
12		95	4.8%
13		59	3.0%
14		48	2.4%
15		88	4.5%
16		36	1.8%
17		63	3.2%
18		38	1.9%
19		42	2.1%
20		76	3.9%
21		63	3.2%
22		66	3.4%
23		52	2.6%
24		53	2.7%
25		41	2.1%
26		19	1.0%
27		28	1.4%
28		40	2.0%
29		29	1.5%

File : IMMUNIZATION

s1a28d: SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D

Value	Label	Cases	Percentage
30		34	1.7%
31		8	0.4%
44	NOT CLEAR	312	15.9%
Sysmiss		8186	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a28m: SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D

Information	[Type= discrete] [Format=numeric] [Range= 1-12] [Missing=*]
Statistics [NW/ W]	[Valid=1655 /-] [Invalid=8498 /-]
Literal question	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 2ND MEASLES VACCINATION
Interviewer's instructions	WRITE 44 IN THE DD FIELD IF THE VACCINATION IS MARKED ON THE CARD, BUT THERE IS NOT A CLEAR DATE

Value	Label	Cases	Percentage
1	January	114	6.9%
2	February	217	13.1%
3	March	245	14.8%
4	April	60	3.6%
5	May	73	4.4%
6	June	60	3.6%
7	July	75	4.5%
8	August	94	5.7%
9	September	84	5.1%
10	October	72	4.4%
11	November	264	16.0%
12	December	297	17.9%
Sysmiss		8498	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a28y: SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D

Information	[Type= discrete] [Format=numeric] [Range= 2012-2018] [Missing=*]
Statistics [NW/ W]	[Valid=1655 /-] [Invalid=8498 /-] [Mean=2016.457 /-] [StdDev=1.312 /-]
Literal question	IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE DATES OF VACCINATION: 3RD MEASLES VACCINATION
Interviewer's instructions	WRITE 44 IN THE DD FIELD IF THE VACCINATION IS MARKED ON THE CARD, BUT THERE IS NOT A CLEAR DATE

Value	Label	Cases	Percentage
2012		4	0.2%
2013		27	1.6%
2014		159	9.6%
2015		197	11.9%
2016		242	14.6%

File : IMMUNIZATION

s1a28y: SIA28. IF THE HOME-BASED VACCINATION RECORD (ROUTINE) IS AVAILABLE, RECORD THE D

Value	Label	Cases	Percentage
2017		683	41.3%
2018		343	20.7%
Sysmiss		8498	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

s1a35h: hours

Information	[Type= continuous] [Format=numeric] [Range= 0-23] [Missing=*]
Literal question	Hour

s1a35m: minutes

Information	[Type= continuous] [Format=numeric] [Range= 0-59] [Missing=*]
Literal question	minutes

sector: sector

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Imputation	sector

Value	Label	Cases	Percentage
1		2244	22.1%
2		7909	77.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

reasons_non: Reason for not vaccinated

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=1166 /-] [Invalid=8987 /-]
Literal question	Reason for not vaccinated

Value	Label	Cases	Percentage
1	Lack of information	457	39.2%
2	Lack of motivation	120	10.3%
3	Obstacles	482	41.3%
4	Other reasons	107	9.2%
Sysmiss		8987	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

zone: ZONE

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Imputation	ZONE

Value	Label	Cases	Percentage
1	North Central	1852	18.2%
2	North East	2060	20.3%
3	North West	2474	24.4%
4	South East	1161	11.4%
5	South South	1335	13.1%
6	South West	1271	12.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

age_group: Age-group

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-]
Recoding and Derivation	Age-group

Value	Label	Cases	Percentage
1	9-11 Months	237	2.3%

age_group: Age-group

Value	Label	Cases	Percentage
2	12-23 Months	2176	21.4%
3	>=24 Months	7740	76.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

pop_weight

Information	[Type= continuous] [Format=numeric] [Range= 533.900024414062-32439] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-] [Mean=3539.796 /-] [StdDev=3050.716 /-]

normalize_wt

Information	[Type= continuous] [Format=numeric] [Range= 0.291666656732559-4.54166650772095] [Missing=*]
Statistics [NW/ W]	[Valid=10153 /-] [Invalid=0 /-] [Mean=1.02 /-] [StdDev=0.451 /-]