

# Ghana - Malaria Indicator Survey 2016

**Ghana Statistical Service (GSS) - Government of Ghana**

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# Sampling

## Sampling Procedure

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The sampling frame used for the 2016 GMIS is the frame of the 2010 Population and Housing Census (PHC) conducted in Ghana. The 2010 PHC frame is being maintained by GSS and updated periodically as new information is received from various surveys. The frame is a complete list of all census enumeration areas (EAs) created for the PHC. An EA is a geographic area that covers an average of 145 households. The EA size is the number of residential households in the EA according to the 2010 PHC. The average size of urban EAs is slightly larger than the average size of rural EAs; the urban EA average size is 185 households compared with an average size of 114 households in rural EAs. The sampling frame contains information about the EAs location, type of residence (urban or rural), and the estimated number of residential households.

The 2016 GMIS sample was stratified and selected from the sampling frame in two stages. Each region was separated into urban and rural areas; this yielded 20 sampling strata. Samples of EAs were selected independently in each stratum in two stages. Implicit stratification and proportional allocation were achieved at each of the lower administrative levels by sorting the sampling frame within each sampling stratum before the sample selection, according to administrative units in different levels, and by using a probability proportional to size selection at the first stage of sampling.

For further details on sample design, see Appendix A of the final report.

## Response Rate

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A total of 6,003 households were selected for the survey of which 5,929 were occupied at the time of fieldwork. Among the occupied households, 5,841 were successfully interviewed, for a response rate of 99%. In the interviewed households, 5,186 eligible women were identified for individual interview and 5,150 were successfully interviewed, for a response rate of 99%.

## Weighting

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A spreadsheet with all the sampling parameters and selection probabilities was prepared to facilitate the calculation of the design weights. Design weights were adjusted for household non-response and individual non-response to obtain the sampling weights, for households and women, respectively. The differences of the household sampling weights and the women's individual sampling weights are introduced by individual non-response. The final sampling weights were normalized in order to achieve the total number of un-weighted cases equal to the total number of weighted cases at national level, for both household weights and the women's individual weights, respectively. The normalized weights are relative weights, which are valid for estimating means, proportions, and ratios, but are not valid for estimating population totals and pooled data. No weights were calculated for children under age 5. For the biomarker indicators for children under age 5, the household weight was applied. For the prevalence of fever and the treatment fever, the child's mother's weight was applied.

For further details on sampling weights, see Appendix A.4 of the final report.

# Questionnaires

## Overview

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Three types of questionnaires were used for the 2016 GMIS - the Household Questionnaire, the Woman's Questionnaire, and the Biomarker Questionnaire. The questionnaires were adapted to reflect issues relevant to Ghana. Modifications were determined after a series of meetings with various stakeholders from the National Malaria Control Programme (NMCP) and other government ministries and agencies, nongovernmental organisations, and international partners. The questionnaires in English and three local Ghanaian languages (Akan, Ewe, and Ga) were programmed into tablet computers, which enabled the use of computer-assisted personal interviewing (CAPI) for the survey.

## Data Collection

### Data Collection Dates

Start	End	Cycle
2016-10-03	2016-12-01	N/A

### Data Collection Mode

Face-to-Face[f2f]

#### DATA COLLECTION NOTES

Field data collection was conducted during a 6-week period from 3 October–1 December 2016. Twelve teams were formed, with each including a supervisor, 3 interviewers, a driver, and a health technician. Each team was allocated at least 16 clusters according to local language competency. The team spent an average of 3 days working in a cluster. Information on selected clusters and sampled households was provided to each team for easy location. When eligible respondents were absent from their homes, two or more calls were made to offer respondents the opportunity to participate in the survey. Two officers were responsible for the timely collection of slides and blood samples from the field teams to the NPHRL. In addition to the field supervisors, there were national and regional monitors who supervised field activities and assured the collection and transmission of the blood slides to the laboratory.

### Data Collectors

Name	Abbreviation	Affiliation
Ghana Statistical Servic	GSS	Government of Ghana

# Data Processing

## Data Editing

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Data for the 2016 GMIS were collected through questionnaires programmed into the CAPI application. The CAPI application was programmed by ICF and loaded into the computers along with the Household, Biomarker, and Woman's Questionnaires. Using the cloud, the field supervisors transferred data on a daily basis to a central location for data processing in the GSS office located in Accra. To facilitate communication and monitoring, each field worker was assigned a unique identification number.

The Census and Survey Processing (CSPRO) system was used for data editing, cleaning, weighting, and tabulation. Data received from the field teams' CAPI applications were registered and checked for any inconsistencies and outliers at the GSS Head Office. Data editing and cleaning included an extensive range of structural and internal consistency checks. All anomalies were communicated to field teams which resolved data discrepancies. The corrected results were maintained in master CSPRO data files at ICF and then used for analysis in producing tables for the final report.

# Data Appraisal

## Estimates of Sampling Error

The sampling frame used for the 2016 GMIS is the frame of the 2010 Population and Housing Census (PHC) conducted in Ghana. The 2010 PHC frame is being maintained by GSS and updated periodically as new information is received from various surveys. The frame is a complete list of all census enumeration areas (EAs) created for the PHC. An EA is a geographic area that covers an average of 145 households. The EA size is the number of residential households in the EA according to the 2010 PHC. The average size of urban EAs is slightly larger than the average size of rural EAs; the urban EA average size is 185 households compared with an average size of 114 households in rural EAs. The sampling frame contains information about the EAs location, type of residence (urban or rural), and the estimated number of residential households.

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A more detailed description of estimates of sampling errors are presented in Appendix B of the survey report.

## Other forms of Data Appraisal

### Data Quality Tables

- Household age distribution
- Age distribution of eligible and interviewed women
- Completeness of reporting
- Births by calendar years

Note: See details of the data quality tables in Appendix C of the final report.

## File Description



## Variable List

## RECH0

Content	HOUSEHOLD - Household's basic data
Cases	6003
Variable(s)	43
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V787	hhid	Case Identification	discrete	character	
V788	hv000	Country code and phase	discrete	character	
V789	hv001	Cluster number	contin	numeric	
V790	hv002	Household number	contin	numeric	
V791	hv003	Respondent's line number (answering Household questionnaire)	discrete	numeric	
V792	hv004	Ultimate area unit	contin	numeric	
V793	hv005	Household sample weight (6 decimals)	contin	numeric	
V794	hv006	Month of interview	discrete	numeric	
V795	hv007	Year of interview	discrete	numeric	
V796	hv008	Date of interview (CMC)	discrete	numeric	
V797	hv008a	Date of interview Century Day Code (CDC)	contin	numeric	
V798	hv009	Number of household members	contin	numeric	
V799	hv010	Number of eligible women in household	discrete	numeric	
V800	hv012	Number of de jure members	contin	numeric	
V801	hv013	Number of de facto members	discrete	numeric	
V802	hv014	Number of children 5 and under (de jure)	discrete	numeric	
V803	hv015	Result of household interview	discrete	numeric	
V804	hv016	Day of interview	contin	numeric	
V805	hv017	Number of visits	discrete	numeric	
V806	hv018	Interviewer identification	contin	numeric	
V807	hv020	Ever-married sample	discrete	numeric	
V808	hv021	Primary sampling unit	contin	numeric	
V809	hv022	Sample strata for sampling errors	discrete	numeric	
V810	hv023	Stratification used in sample design	discrete	numeric	
V811	hv024	Region	discrete	numeric	
V812	hv025	Type of place of residence	discrete	numeric	
V813	hv030	Field supervisor	contin	numeric	
V814	hv035	Number of eligible children for height and weight	discrete	numeric	

ID	Name	Label	Type	Format	Question
V815	hv040	Cluster altitude in meters	contin	numeric	
V816	hv042	Household selected for hemoglobin	discrete	numeric	
V817	hv045a	Language of questionnaire	discrete	numeric	
V818	hv045b	Language of interview	discrete	numeric	
V819	hv045c	Native language of respondent	discrete	numeric	
V820	hv046	Translator used	discrete	numeric	
V821	hv801	Time interview started (hhmm - 24 hour clock)	contin	numeric	
V822	hv802	Time interview ended (hhmm - 24 hour clock)	contin	numeric	
V823	hv803	Length of interview in minutes	discrete	numeric	
V824	hv804	Number of visits for biomarker	discrete	numeric	
V825	hv807d	Day of biomarker visit	contin	numeric	
V826	hv807m	Month of biomarker visit	discrete	numeric	
V827	hv807y	Year of biomarker visit	discrete	numeric	
V828	hv807c	Date of biomarker (CMC)	discrete	numeric	
V829	hv807a	Date of biomarker Century Day Code (CDC)	contin	numeric	

**RECH1**

Content	HOUSEHOLD - Household Schedule
Cases	23060
Variable(s)	12
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V830	hhid	Case Identification	discrete	character	
V831	hvidx	Line number	discrete	numeric	
V832	hv101	Relationship to head	discrete	numeric	
V833	hv102	Usual resident	discrete	numeric	
V834	hv103	Slept last night	discrete	numeric	
V835	hv104	Sex of household member	discrete	numeric	
V836	hv105	Age of household members	discrete	numeric	
V837	hv117	Eligibility for female interview	discrete	numeric	
V838	hv120	Children eligibility for height/weight and hemoglobin	discrete	numeric	
V839	sh07ad	Date of birth 0-6 years: day	discrete	numeric	
V840	sh07am	Date of birth 0-6 years: month	discrete	numeric	
V841	sh07ay	Date of birth 0-6 years: year	discrete	numeric	

## RECH2

Content	HOUSEHOLD - Household Characteristics
Cases	5841
Variable(s)	65
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V842	hhid	Case Identification	discrete	character	
V843	hv201	Source of drinking water	discrete	numeric	
V844	hv202	Source of non-drinking water	discrete	numeric	
V845	hv204	Time to get to water source (minutes)	discrete	numeric	
V846	hv205	Type of toilet facility	discrete	numeric	
V847	hv206	Has electricity	discrete	numeric	
V848	hv207	Has radio	discrete	numeric	
V849	hv208	Has television	discrete	numeric	
V850	hv209	Has refrigerator	discrete	numeric	
V851	hv210	Has bicycle	discrete	numeric	
V852	hv211	Has motorcycle/scooter	discrete	numeric	
V853	hv212	Has car/truck	discrete	numeric	
V854	hv213	Main floor material	discrete	numeric	
V855	hv214	Main wall material	discrete	numeric	
V856	hv215	Main roof material	discrete	numeric	
V857	hv216	Number of rooms used for sleeping	contin	numeric	
V858	hv217	Relationship structure	discrete	numeric	
V859	hv218	Line number of head of household	discrete	numeric	
V860	hv219	Sex of head of household	discrete	numeric	
V861	hv220	Age of head of household	discrete	numeric	
V862	hv221	Has telephone (land-line)	discrete	numeric	
V863	hv225	Share toilet with other households	discrete	numeric	
V864	hv226	Type of cooking fuel	discrete	numeric	
V865	hv227	Has mosquito bed net for sleeping	discrete	numeric	
V866	hv228	Children under 5 slept under mosquito bed net last night	discrete	numeric	
V867	hv235	Location of source for water	discrete	numeric	
V868	hv238	Number of households sharing toilet	discrete	numeric	
V869	hv243a	Has mobile telephone	discrete	numeric	

ID	Name	Label	Type	Format	Question
V870	hv243b	Has wrist watch	discrete	numeric	
V871	hv243c	Has animal-drawn cart	discrete	numeric	
V872	hv243d	Has boat with a motor	discrete	numeric	
V873	hv243e	Has a computer or tablet	discrete	numeric	
V874	hv244	Owens land usable for agriculture	discrete	numeric	
V875	hv245	Hectares of agricultural land (1 decimal)	discrete	numeric	
V876	hv246	Owens livestock, herds or farm animals	discrete	numeric	
V877	hv246a	Owens cattle	discrete	numeric	
V878	hv246b	Owens cows/ bulls	discrete	numeric	
V879	hv246c	Owens horses/ donkeys/ mules	discrete	numeric	
V880	hv246d	Owens goats	discrete	numeric	
V881	hv246e	Owens sheep	discrete	numeric	
V882	hv246f	Owens chickens/poultry	discrete	numeric	
V883	hv246g	Owens pigs	discrete	numeric	
V884	hv246h	Owens rabbits	discrete	numeric	
V885	hv246i	Owens grasscutter	discrete	numeric	
V886	hv246j	NA - Owens CS	discrete	numeric	
V887	hv246k	NA - Owens CS	discrete	numeric	
V888	hv247	Has bank account	discrete	numeric	
V889	hv253	Has dwelling been sprayed against mosquitoes in last 12 months	discrete	numeric	
V890	hv253a	Dwelling sprayed by: government worker/program	discrete	numeric	
V891	hv253b	Dwelling sprayed by: private company	discrete	numeric	
V892	hv253c	Dwelling sprayed by: NGO	discrete	numeric	
V893	hv253d	NA - Dwelling sprayed by: CS	discrete	numeric	
V894	hv253e	NA - Dwelling sprayed by: CS	discrete	numeric	
V895	hv253f	NA - Dwelling sprayed by: CS	discrete	numeric	
V896	hv253g	NA - Dwelling sprayed by: CS	discrete	numeric	
V897	hv253h	NA - Dwelling sprayed by: CS	discrete	numeric	
V898	hv253x	Dwelling sprayed by: other	discrete	numeric	
V899	hv253z	Dwelling sprayed by: don't know	discrete	numeric	
V900	hv270	Wealth index combined	discrete	numeric	
V901	hv271	Wealth index factor score combined (5 decimals)	contin	numeric	
V902	hv270a	Wealth index for urban/rural	discrete	numeric	
V903	hv271a	Wealth index factor score for urban/rural (5 decimals)	contin	numeric	
V904	hml1	Number of mosquito bed nets	discrete	numeric	
V905	hml1a	Number of mosquito bed nets with specific information	discrete	numeric	
V906	hml2	Number of children under mosquito bed net previous night	discrete	numeric	

**RECH3**

Content	HOUSEHOLD - Survey specific Household variables
Cases	6003
Variable(s)	19
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V907	hhid	Case Identification	discrete	character	
V908	shdistrict	District	contin	numeric	
V909	sh113u	Hectares for agricultural land (unit)	discrete	numeric	
V910	sh113n	Hectares for agricultural land (number)	discrete	numeric	
V911	sh114g	Freezer	discrete	numeric	
V912	sh114h	Electric generator/invertor	discrete	numeric	
V913	sh114i	Washing machine	discrete	numeric	
V914	sh114j	Camera	discrete	numeric	
V915	sh114k	Video/DVD/VCD	discrete	numeric	
V916	sh114l	Sewing machine	discrete	numeric	
V917	sh114m	Bed	discrete	numeric	
V918	sh114n	Table	discrete	numeric	
V919	sh114o	Chair	discrete	numeric	
V920	sh114p	Cabinet/cupboard	discrete	numeric	
V921	sh115h	Boat without a motor	discrete	numeric	
V922	sblangq	Language of questionnaire (biomarker visit)	discrete	numeric	
V923	sblangi	Language of interview (biomarker visit)	discrete	numeric	
V924	sblangr	Language of respondent (biomarker visit)	discrete	numeric	
V925	sbtrans	Translator used (biomarker visit)	discrete	numeric	

**RECH6**

Content	HOUSEHOLD - Children Height/Weight/Hemoglobin
Cases	3485
Variable(s)	28
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V926	hhid	Case Identification	discrete	character	
V927	hc0	Index to Household Schedule	discrete	numeric	
V928	hc1	Child's age in months	contin	numeric	
V929	hc1a	Child's age in days	contin	numeric	
V930	hc16	Day of birth	discrete	numeric	
V931	hc17	Date measured (day)	contin	numeric	
V932	hc18	Date measured (month)	discrete	numeric	
V933	hc19	Date measured (year)	discrete	numeric	
V934	hc20	Century Day Code (CDC) of measurement	contin	numeric	
V935	hc21	Fieldworker measurer code	contin	numeric	
V936	hc27	Sex	discrete	numeric	
V937	hc30	Month of birth	discrete	numeric	
V938	hc31	Year of birth	discrete	numeric	
V939	hc32	Date of birth (CMC)	contin	numeric	
V940	hc32a	Century Day Code (CDC) of birth	contin	numeric	
V941	hc33	Completeness of HC32 information	discrete	numeric	
V942	hc51	Line number of parent/caretaker	discrete	numeric	
V943	hc52	Read consent statement - hemoglobin	discrete	numeric	
V944	hc53	Hemoglobin level (g/dl - 1 decimal)	discrete	numeric	
V945	hc55	Result of measurement - hemoglobin	discrete	numeric	
V946	hc56	Hemoglobin level adjusted for altitude (g/dl - 1 decimal)	discrete	numeric	
V947	hc57	Anemia level	discrete	numeric	
V948	hc60	Mother's line number (woman's questionnaire)	discrete	numeric	
V949	hc61	Mother's highest educational level	discrete	numeric	
V950	hc62	Mother's highest year of education	discrete	numeric	
V951	hc63	Preceding birth interval (months)	contin	numeric	
V952	hc64	Birth order number	contin	numeric	
V953	hc68	Mother's highest educational level (for preliminary and final report)	discrete	numeric	



## RECHMH

Content	HOUSEHOLD - Malaria: by Household Member
Cases	23060
Variable(s)	36
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V954	hhid	Case Identification	discrete	character	
V955	hmhid	Index to Household Schedule	discrete	numeric	
V956	hml12	Type of Mosquito Bed Net(s) person slept under last night	discrete	numeric	
V957	hml13	Net Designation Number (HMLIDX) for 1st net person slept under last night	discrete	numeric	
V958	hml14	Net Designation Number (HMLIDX) for 2nd net person slept under last night	discrete	numeric	
V959	hml15	NA - Net Designation Number (HMLIDX) for 3rd net person slept under last night	discrete	numeric	
V960	hml16	Corrected age from Individual file	discrete	numeric	
V961	hml16a	Age in months (for children)	contin	numeric	
V962	hml17	Flag for age from Individual file	discrete	numeric	
V963	hml18	Pregnancy status from Individual file	discrete	numeric	
V964	hml19	Person slept under an ever-treated net	discrete	numeric	
V965	hml20	Person slept under an LLIN net	discrete	numeric	
V966	hml30	Line number of parent/caretaker (for malaria testing)	discrete	numeric	
V967	hml31	Read consent statement for malaria	discrete	numeric	
V968	hml32	Final result of malaria from blood smear test	discrete	numeric	
V969	hml32a	NA - Presence of species: falciparum (Pf)	discrete	numeric	
V970	hml32b	NA - Presence of species: malariae (Pm)	discrete	numeric	
V971	hml32c	NA - Presence of species: ovale (Po)	discrete	numeric	
V972	hml32d	NA - Presence of species: vivax (Pv)	discrete	numeric	
V973	hml32e	NA - Presence of species: CS	discrete	numeric	
V974	hml32f	NA - Presence of species: CS	discrete	numeric	
V975	hml32g	NA - Presence of species: CS	discrete	numeric	
V976	hml33	Result of malaria measurement	discrete	numeric	
V977	hml34	Bar code for blood smear sample	discrete	character	
V978	hml35	Result of malaria rapid test	discrete	numeric	
V979	sb115	Result of the malaria RDT	discrete	numeric	
V980	sb118a	Child suffering any illnesses or symptoms: Extreme weakness	discrete	numeric	
V981	sb118b	Child suffering any illnesses or symptoms: Inability to drink or breastfeed	discrete	numeric	

ID	Name	Label	Type	Format	Question
V982	sb118c	Child suffering any illnesses or symptoms: Vomiting everything	discrete	numeric	
V983	sb118d	Child suffering any illnesses or symptoms: Loss of consciousness	discrete	numeric	
V984	sb118e	Child suffering any illnesses or symptoms: Deep and labored breathing	discrete	numeric	
V985	sb118f	Child suffering any illnesses or symptoms: Multiple convulsions	discrete	numeric	
V986	sb118g	Child suffering any illnesses or symptoms: Abnormal spontaneous bleeding	discrete	numeric	
V987	sb118h	Child suffering any illnesses or symptoms: Yellow eyes/jaundice	discrete	numeric	
V988	sb121	Taking ACT given by a doctor/health center to treat the malaria	discrete	numeric	
V989	sb125	Accepted medicine for malaria treatment	discrete	numeric	

## RECHML

Content	HOUSEHOLD - Malaria: by Mosquito Bed Net
Cases	10689
Variable(s)	20
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V990	hhid	Case Identification	discrete	character	
V991	hmlidx	Mosquito Bed Net Designation Number	discrete	numeric	
V992	hml3	Net observed by interviewer	discrete	numeric	
V993	hml4	Months ago net obtained	discrete	numeric	
V994	hml5	NA - Net treated with insecticide when bought	discrete	numeric	
V995	hml6	NA - Net treatment status	discrete	numeric	
V996	hml7	Brand of net	discrete	numeric	
V997	hml8	Net treated since receiving	discrete	numeric	
V998	hml9	Time since last re-treatment (months)	discrete	numeric	
V999	hml10	Insecticide-Treated Net (ITN)	discrete	numeric	
V1000	hml11	Number of persons who slept under this net	discrete	numeric	
V1001	hml21	Someone slept under this net last night	discrete	numeric	
V1002	hmla	Line number of person who slept in this net	discrete	numeric	
V1003	hmlb	Line number of person who slept in this net	discrete	numeric	
V1004	hmlc	Line number of person who slept in this net	discrete	numeric	
V1005	hml d	Line number of person who slept in this net	discrete	numeric	
V1006	hmle	NA - Line number of person who slept in this net	discrete	numeric	
V1007	hml22	Obtained net from campaign, antenatal or immunization visit	discrete	numeric	
V1008	hml23	Place where net was obtained	discrete	numeric	
V1009	sh121	Shown Net	discrete	numeric	

## REC01

Content	WOMAN - Respondent's basic data
Cases	5186
Variable(s)	35
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1010	hhid	Case Identification	discrete	character	
V1011	caseid	Case Identification	discrete	character	
V1012	v000	Country code and phase	discrete	character	
V1013	v001	Cluster number	contin	numeric	
V1014	v002	Household number	contin	numeric	
V1015	v003	Respondent's line number	discrete	numeric	
V1016	v004	Ultimate area unit	contin	numeric	
V1017	v005	Women's individual sample weight (6 decimals)	contin	numeric	
V1018	v006	Month of interview	discrete	numeric	
V1019	v007	Year of interview	discrete	numeric	
V1020	v008	Date of interview (CMC)	discrete	numeric	
V1021	v008a	Date of interview Century Day Code (CDC)	contin	numeric	
V1022	v009	Respondent's month of birth	discrete	numeric	
V1023	v010	Respondent's year of birth	contin	numeric	
V1024	v011	Date of birth (CMC)	contin	numeric	
V1025	v012	Respondent's current age	contin	numeric	
V1026	v013	Age in 5-year groups	discrete	numeric	
V1027	v014	Completeness of age information	discrete	numeric	
V1028	v015	Result of individual interview	discrete	numeric	
V1029	v016	Day of interview	contin	numeric	
V1030	v020	Ever-married sample	discrete	numeric	
V1031	v021	Primary sampling unit	contin	numeric	
V1032	v022	Sample strata for sampling errors	discrete	numeric	
V1033	v023	Stratification used in sample design	discrete	numeric	
V1034	v024	Region	discrete	numeric	
V1035	v025	Type of place of residence	discrete	numeric	
V1036	v027	Number of visits	discrete	numeric	
V1037	v028	Interviewer identification	contin	numeric	

ID	Name	Label	Type	Format	Question
V1038	v030	Field supervisor	contin	numeric	
V1039	v040	Cluster altitude in meters	contin	numeric	
V1040	v042	Household selected for hemoglobin	discrete	numeric	
V1041	v045a	Language of questionnaire	discrete	numeric	
V1042	v045b	Language of interview	discrete	numeric	
V1043	v045c	Native language of respondent	discrete	numeric	
V1044	v046	Translator used	discrete	numeric	

## REC11

Content	WOMAN - Respondent's basic data (continued)
Cases	5150
Variable(s)	41
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1045	hhid	Case Identification	discrete	character	
V1046	caseid	Case Identification	discrete	character	
V1047	v101	Region	discrete	numeric	
V1048	v102	Type of place of residence	discrete	numeric	
V1049	v106	Highest educational level	discrete	numeric	
V1050	v107	Highest year of education	discrete	numeric	
V1051	v113	Source of drinking water	discrete	numeric	
V1052	v115	Time to get to water source	discrete	numeric	
V1053	v116	Type of toilet facility	discrete	numeric	
V1054	v119	Household has: electricity	discrete	numeric	
V1055	v120	Household has: radio	discrete	numeric	
V1056	v121	Household has: television	discrete	numeric	
V1057	v122	Household has: refrigerator	discrete	numeric	
V1058	v123	Household has: bicycle	discrete	numeric	
V1059	v124	Household has: motorcycle/scooter	discrete	numeric	
V1060	v125	Household has: car/truck	discrete	numeric	
V1061	v127	Main floor material	discrete	numeric	
V1062	v128	Main wall material	discrete	numeric	
V1063	v129	Main roof material	discrete	numeric	
V1064	v130	Religion	discrete	numeric	
V1065	v131	Ethnicity	discrete	numeric	
V1066	v133	Education in single years	discrete	numeric	
V1067	v135	Usual resident or visitor	discrete	numeric	
V1068	v136	Number of household members (listed)	discrete	numeric	
V1069	v137	Number of children 5 and under in household (de jure)	discrete	numeric	
V1070	v138	Number of eligible women in household (de facto)	discrete	numeric	
V1071	v139	De jure region of residence	discrete	numeric	
V1072	v140	De jure type of place of residence	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1073	v149	Educational attainment	discrete	numeric	
V1074	v150	Relationship to household head	discrete	numeric	
V1075	v151	Sex of household head	discrete	numeric	
V1076	v152	Age of household head	discrete	numeric	
V1077	v153	Household has: telephone (land-line)	discrete	numeric	
V1078	v155	Literacy	discrete	numeric	
V1079	v160	Toilet facilities shared with other households	discrete	numeric	
V1080	v161	Type of cooking fuel	discrete	numeric	
V1081	v190	Wealth index combined	discrete	numeric	
V1082	v191	Wealth index factor score combined (5 decimals)	contin	numeric	
V1083	v190a	Wealth index for urban/rural	discrete	numeric	
V1084	v191a	Wealth index factor score for urban/rural (5 decimals)	contin	numeric	
V1085	ml101	Type of mosquito bed net(s) slept under last night	discrete	numeric	

## REC21

Content	WOMAN - Reproduction and Birth History
Cases	3732
Variable(s)	20
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1086	hhid	Case Identification	discrete	character	
V1087	caseid	Case Identification	discrete	character	
V1088	bidx	Birth column number	discrete	numeric	
V1089	bord	Birth order number	discrete	numeric	
V1090	b0	Child is twin	discrete	numeric	
V1091	b1	Month of birth	discrete	numeric	
V1092	b2	Year of birth	discrete	numeric	
V1093	b3	Date of birth (CMC)	contin	numeric	
V1094	b4	Sex of child	discrete	numeric	
V1095	b5	Child is alive	discrete	numeric	
V1096	b8	Current age of child	discrete	numeric	
V1097	b9	Child lives with whom	discrete	numeric	
V1098	b10	Completeness of information	discrete	numeric	
V1099	b11	Preceding birth interval (months)	contin	numeric	
V1100	b12	Succeeding birth interval (months)	contin	numeric	
V1101	b15	Live birth between births	discrete	numeric	
V1102	b16	Child's line number in household	discrete	numeric	
V1103	b17	Day of birth	contin	numeric	
V1104	b18	Century Day Code of birth (CDC)	contin	numeric	
V1105	b19	Current age of child in months (months since birth for dead children)	contin	numeric	



## REC22

Content	WOMAN - Reproduction (continued)
Cases	5150
Variable(s)	22
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1106	hhid	Case Identification	discrete	character	
V1107	caseid	Case Identification	discrete	character	
V1108	v201	Total children ever born	discrete	numeric	
V1109	v202	Sons at home	discrete	numeric	
V1110	v203	Daughters at home	discrete	numeric	
V1111	v204	Sons elsewhere	discrete	numeric	
V1112	v205	Daughters elsewhere	discrete	numeric	
V1113	v206	Sons who have died	discrete	numeric	
V1114	v207	Daughters who have died	discrete	numeric	
V1115	v208	Births in last five years	discrete	numeric	
V1116	v209	Births in past year	discrete	numeric	
V1117	v210	Births in month of interview	discrete	numeric	
V1118	v213	Currently pregnant	discrete	numeric	
V1119	v214	Duration of current pregnancy	discrete	numeric	
V1120	v218	Number of living children	discrete	numeric	
V1121	v219	Living children + current pregnancy	discrete	numeric	
V1122	v220	Living children + current pregnancy (grouped)	discrete	numeric	
V1123	v222	Last birth to interview (months)	contin	numeric	
V1124	v223	Completeness of current pregnancy information	discrete	numeric	
V1125	v224	Entries in birth history	discrete	numeric	
V1126	v237	Birth between last and interview	discrete	numeric	
V1127	v238	Births in last three years	discrete	numeric	

## REC41

Content	WOMAN - Maternity
Cases	2377
Variable(s)	27
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1128	hhid	Case Identification	discrete	character	
V1129	caseid	Case Identification	discrete	character	
V1130	midx	Index to Birth History	discrete	numeric	
V1131	m2a	Prenatal: doctor	discrete	numeric	
V1132	m2b	Prenatal: nurse/midwife	discrete	numeric	
V1133	m2c	Prenatal: community health officer/nurse	discrete	numeric	
V1134	m2d	NA - Prenatal: CS health professional	discrete	numeric	
V1135	m2e	NA - Prenatal: CS health professional	discrete	numeric	
V1136	m2f	NA - Prenatal: CS health professional	discrete	numeric	
V1137	m2g	Prenatal: traditional birth attendant	discrete	numeric	
V1138	m2h	Prenatal: community/village health worker	discrete	numeric	
V1139	m2i	Prenatal: traditional health practitioner	discrete	numeric	
V1140	m2j	NA - Prenatal: CS other person	discrete	numeric	
V1141	m2k	Prenatal: other	discrete	numeric	
V1142	m2l	NA - Prenatal: CS other	discrete	numeric	
V1143	m2m	NA - Prenatal: CS other	discrete	numeric	
V1144	m2n	Prenatal: no one	discrete	numeric	
V1145	m49a	During pregnancy took: SP/fansidar for malaria	discrete	numeric	
V1146	m49b	NA - During pregnancy took: chloroquine for malaria	discrete	numeric	
V1147	m49c	NA - During pregnancy took: CS drug for malaria	discrete	numeric	
V1148	m49d	NA - During pregnancy took: CS drug for malaria	discrete	numeric	
V1149	m49e	NA - During pregnancy took: CS drug for malaria	discrete	numeric	
V1150	m49f	NA - During pregnancy took: CS drug for malaria	discrete	numeric	
V1151	m49g	NA - During pregnancy took: CS drug for malaria	discrete	numeric	
V1152	m49x	NA - During pregnancy took: other drug for malaria	discrete	numeric	
V1153	m49z	NA - During pregnancy took: don't know	discrete	numeric	
V1154	m49y	NA - During pregnancy took: no drug for malaria	discrete	numeric	

**REC42**

Content	WOMAN - Health and Breastfeeding
Cases	5150
Variable(s)	19
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1155	hhid	Case Identification	discrete	character	
V1156	caseid	Case Identification	discrete	character	
V1157	v417	Entries in pregnancy and postnatal care roster	discrete	numeric	
V1158	v418a	Entries in child health roster	discrete	numeric	
V1159	v419	Entries in height/weight roster	discrete	numeric	
V1160	v459	Have mosquito bed net for sleeping (from household questionnaire)	discrete	numeric	
V1161	v460	Children under 5 slept under mosquito bed net last night (household questionnair	discrete	numeric	
V1162	v461	Respondent slept under mosquito bed net	discrete	numeric	
V1163	v468	Record for Last Birth	discrete	numeric	
V1164	v481	Covered by health insurance	discrete	numeric	
V1165	v481a	Health insurance type: mutual/community organization	discrete	numeric	
V1166	v481b	Health insurance type: provided by employer	discrete	numeric	
V1167	v481c	Health insurance type: social security (National/district health insurance by NH	discrete	numeric	
V1168	v481d	Health insurance type: private/commercially purchased	discrete	numeric	
V1169	v481e	NA - Health insurance type: CS	discrete	numeric	
V1170	v481f	NA - Health insurance type: CS	discrete	numeric	
V1171	v481g	NA - Health insurance type: CS	discrete	numeric	
V1172	v481h	NA - Health insurance type: CS	discrete	numeric	
V1173	v481x	Health insurance type: other	discrete	numeric	

**REC44**

Content	WOMAN - Child's Height and Weight
Cases	3235
Variable(s)	14
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1174	hhid	Case Identification	discrete	character	
V1175	caseid	Case Identification	discrete	character	
V1176	hwid	Index to Birth History	discrete	numeric	
V1177	hw1	Child's age in months	contin	numeric	
V1178	hw16	Day of birth of child	discrete	numeric	
V1179	hw17	Date measured (day)	contin	numeric	
V1180	hw18	Date measured (month)	discrete	numeric	
V1181	hw19	Date measured (year)	discrete	numeric	
V1182	hw51	Line number of parent/caretaker	discrete	numeric	
V1183	hw52	Read consent statement - hemoglobin	discrete	numeric	
V1184	hw53	Hemoglobin level (g/dl - 1 decimal)	discrete	numeric	
V1185	hw55	Result of measurement - hemoglobin	discrete	numeric	
V1186	hw56	Hemoglobin level adjusted for altitude (g/dl - 1 decimal)	discrete	numeric	
V1187	hw57	Anemia level	discrete	numeric	

## REC4A

Content	WOMAN - Child's health
Cases	3235
Variable(s)	33
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1188	hhid	Case Identification	discrete	character	
V1189	caseid	Case Identification	discrete	character	
V1190	hidxa	Index to birth history	discrete	numeric	
V1191	h22	Had fever in last two weeks	discrete	numeric	
V1192	h32a	Fever/cough: government hospital	discrete	numeric	
V1193	h32b	Fever/cough: government health center	discrete	numeric	
V1194	h32c	Fever/cough: government health post/CHPS	discrete	numeric	
V1195	h32d	Fever/cough: mobile clinic	discrete	numeric	
V1196	h32e	Fever/cough: fieldworker/community health worker	discrete	numeric	
V1197	h32f	Fever/cough: other public sector	discrete	numeric	
V1198	h32g	NA - Fever/cough: CS public sector	discrete	numeric	
V1199	h32h	NA - Fever/cough: CS public sector	discrete	numeric	
V1200	h32i	NA - Fever/cough: CS public sector	discrete	numeric	
V1201	h32j	Fever/cough: private hospital/ clinic	discrete	numeric	
V1202	h32k	Fever/cough: private pharmacy	discrete	numeric	
V1203	h32l	Fever/cough: private doctor	discrete	numeric	
V1204	h32m	Fever/cough: chemist/drug store	discrete	numeric	
V1205	h32n	Fever/cough: FPG/PPAG clinic	discrete	numeric	
V1206	h32o	Fever/cough: mobile clinic	discrete	numeric	
V1207	h32p	Fever/cough: fieldworker/community health worker	discrete	numeric	
V1208	h32q	Fever/cough: other private medical sector	discrete	numeric	
V1209	h32r	NA - Fever/cough: CS private medical	discrete	numeric	
V1210	h32s	Fever/cough: shop	discrete	numeric	
V1211	h32t	Fever/cough: traditional practitioner	discrete	numeric	
V1212	h32u	Fever/cough: market	discrete	numeric	
V1213	h32v	Fever/cough: itinerant drug seller	discrete	numeric	
V1214	h32w	NA - Fever/cough: CS other sector	discrete	numeric	
V1215	h32x	Fever/cough: other	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1216	h32y	Fever/cough: no treatment	discrete	numeric	
V1217	h32z	Fever/cough: medical treatment	discrete	numeric	
V1218	h46a	Place first sought treatment for fever	discrete	numeric	
V1219	h46b	Number of days after fever began sought advice or treatment	discrete	numeric	
V1220	h47	Blood taken from child's finger/heel for testing	discrete	numeric	

**REC81**

Content	WOMAN - Characteristics of Interview
Cases	5150
Variable(s)	7
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

**Variables**

ID	Name	Label	Type	Format	Question
V1221	hhid	Case Identification	discrete	character	
V1222	caseid	Case Identification	discrete	character	
V1223	v801	Time interview started (hhmm - 24 hour clock)	contin	numeric	
V1224	v802	Time interview ended (hhmm - 24 hour clock)	contin	numeric	
V1225	v803	Length of interview in minutes	discrete	numeric	
V1226	v804	Number of visits	discrete	numeric	
V1227	v805	Interviewer identification	contin	numeric	

## REC91

Content	WOMAN - Country specific variables
Cases	5186
Variable(s)	151
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1228	hhid	Case Identification	discrete	character	
V1229	caseid	Case Identification	discrete	character	
V1230	sdistrict	District	contin	numeric	
V1231	s105	Highest educational level	discrete	numeric	
V1232	s105a	Highest educational level final report	discrete	numeric	
V1233	s110aa	Causes of malaria: eating sweet foods	discrete	numeric	
V1234	s110ab	Causes of malaria: standing/working in the sun	discrete	numeric	
V1235	s110ac	Causes of malaria: eating contaminated food	discrete	numeric	
V1236	s110ad	Causes of malaria: mosquito bites	discrete	numeric	
V1237	s110ae	Causes of malaria: malaria parasite (P. Falciparum)	discrete	numeric	
V1238	s110af	Causes of malaria: hereditary	discrete	numeric	
V1239	s110ag	Causes of malaria: dirty surroundings	discrete	numeric	
V1240	s110ah	Causes of malaria: weedy surroundings	discrete	numeric	
V1241	s110ai	Causes of malaria: stagnant water	discrete	numeric	
V1242	s110aj	Causes of malaria: eating oily food	discrete	numeric	
V1243	s110ak	Causes of malaria: insects, houseflies	discrete	numeric	
V1244	s110al	Causes of malaria: personal hygiene	discrete	numeric	
V1245	s110ax	Causes of malaria: other	discrete	numeric	
V1246	s110az	Causes of malaria: don't know	discrete	numeric	
V1247	s110ba	How to know if someone has malaria: hot body fever	discrete	numeric	
V1248	s110bb	How to know if someone has malaria: vomiting/diarrhea	discrete	numeric	
V1249	s110bc	How to know if someone has malaria: strong headaches/dizziness	discrete	numeric	
V1250	s110bd	How to know if someone has malaria: loss of appetite	discrete	numeric	
V1251	s110be	How to know if someone has malaria: weakness of the body	discrete	numeric	
V1252	s110bf	How to know if someone has malaria: cough	discrete	numeric	
V1253	s110bg	How to know if someone has malaria: chills	discrete	numeric	
V1254	s110bh	How to know if someone has malaria: bitterness in the mouth	discrete	numeric	
V1255	s110bi	How to know if someone has malaria: urine color	discrete	numeric	



ID	Name	Label	Type	Format	Question
V1256	s110bj	How to know if someone has malaria: eye color	discrete	numeric	
V1257	s110bx	How to know if someone has malaria: other	discrete	numeric	
V1258	s110bz	How to know if someone has malaria: don't know	discrete	numeric	
V1259	s110ca	How to protect against malaria: sleep under a mosquito net	discrete	numeric	
V1260	s110cb	How to protect against malaria: sleep under an insecticide-treated mosquito net	discrete	numeric	
V1261	s110cc	How to protect against malaria: use mosquito repellent	discrete	numeric	
V1262	s110cd	How to protect against malaria: spray the house/rooms with insecticide	discrete	numeric	
V1263	s110ce	How to protect against malaria: clear weeds around the house	discrete	numeric	
V1264	s110cf	How to protect against malaria: fill in stagnant waters (puddles)	discrete	numeric	
V1265	s110cg	How to protect against malaria: keep surrounding clean	discrete	numeric	
V1266	s110ch	How to protect against malaria: put mosquito screen on windows	discrete	numeric	
V1267	s110ci	How to protect against malaria: avoid sitting/staying outside for long/staying i	discrete	numeric	
V1268	s110cj	How to protect against malaria: avoid eating oily/cold food	discrete	numeric	
V1269	s110ck	How to protect against malaria: avoid contaminated food	discrete	numeric	
V1270	s110cl	How to protect against malaria: personal hygiene	discrete	numeric	
V1271	s110cm	How to protect against malaria: wearing protective clothes	discrete	numeric	
V1272	s110cx	How to protect against malaria: other	discrete	numeric	
V1273	s110cz	How to protect against malaria: don't know	discrete	numeric	
V1274	s110d	Malaria can be treated	discrete	numeric	
V1275	s111	Seen or heard any messages about malaria in the past 6 months	discrete	numeric	
V1276	s112aa	Where saw or heard malaria messages: radio	discrete	numeric	
V1277	s112ab	Where saw or heard malaria messages: television	discrete	numeric	
V1278	s112ac	Where saw or heard malaria messages: poster/billboard	discrete	numeric	
V1279	s112ad	Where saw or heard malaria messages: newspaper/magazine	discrete	numeric	
V1280	s112ae	Where saw or heard malaria messages: leaflet/brochure	discrete	numeric	
V1281	s112af	Where saw or heard malaria messages: health worker	discrete	numeric	
V1282	s112ag	Where saw or heard malaria messages: community health worker	discrete	numeric	
V1283	s112ah	Where saw or heard malaria messages: community volunteer/CBA	discrete	numeric	
V1284	s112ai	Where saw or heard malaria messages: word of mouth/Viva Voce	discrete	numeric	
V1285	s112aj	Where saw or heard malaria messages: community event	discrete	numeric	
V1286	s112ak	Where saw or heard malaria messages: school	discrete	numeric	
V1287	s112ax	Where saw or heard malaria messages: anywhere else	discrete	numeric	
V1288	s112az	Where saw or heard malaria messages: don't remember	discrete	numeric	
V1289	s112a	Heard malaria message on the radio in the past 6 months	discrete	numeric	
V1290	s112b	Seen malaria message on the television in the past 6 months	discrete	numeric	
V1291	s112c	Seen malaria message on a poster or billboard in the past 6 months	discrete	numeric	
V1292	s112d	Seen malaria message on a newspaper or magazine in the past 6 months	discrete	numeric	
V1293	s112e	Seen malaria message on a leaflet or brochure in the past 6 months	discrete	numeric	
V1294	s112f	Heard malaria message from a health worker in the past 6 months	discrete	numeric	
V1295	s112g	Heard malaria message from a Community Health Worker in the past 6 months	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1296	s112h	Heard malaria message from a community volunteer or a CBA the past 6 months	discrete	numeric	
V1297	s112i	Heard malaria message from a word of moth in the past 6 months	discrete	numeric	
V1298	s112j	Heard malaria message at a community event in the past 6 months	discrete	numeric	
V1299	s113a	Messages seen/heard in the past 6 months: if have fever go to health facility	discrete	numeric	
V1300	s113b	Messages seen/heard in the past 6 months: sleep under an insecticide-treated mos	discrete	numeric	
V1301	s113c	Messages seen/heard in the past 6 months: pregnant women should take drugs to pr	discrete	numeric	
V1302	s113d	Messages seen/heard in the past 6 months: SP protects pregnant women and unborn	discrete	numeric	
V1303	s113e	Messages seen/heard in the past 6 months: always test before treating malaria	discrete	numeric	
V1304	s113f	Messages seen/heard in the past 6 months: treat malaria with ACTs	discrete	numeric	
V1305	s113g	Messages seen/heard in the past 6 months: malaria kills	discrete	numeric	
V1306	s113h	Messages seen/heard in the past 6 months: clean environment/spray rooms with ins	discrete	numeric	
V1307	s113i	Messages seen/heard in the past 6 months: avoid eating cold/ oily/ contaminated/	discrete	numeric	
V1308	s113j	Messages seen/heard in the past 6 months: personal hygiene	discrete	numeric	
V1309	s113x	Messages seen/heard in the past 6 months: other	discrete	numeric	
V1310	s113z	Messages seen/heard in the past 6 months: don't know/ don't remember	discrete	numeric	
V1311	s114a	Seen/heard message 'Mea menya me net, Ntontom mpo suro' music video/song in the	discrete	numeric	
V1312	s114b	Seen/heard advert recommending everyone to sleep under treated net by musician K	discrete	numeric	
V1313	s114c	Seen/heard advert where people were asked to test first before taking malaria me	discrete	numeric	
V1314	s115	Seen/heard any advert on the use of ACTs/malaria medicines in the past 6 months	discrete	numeric	
V1315	s116a	Where saw/heard the advert on the use of ACTs/malaria medicines: television	discrete	numeric	
V1316	s116b	Where saw/heard the advert on the use of ACTs/malaria medicines: radio	discrete	numeric	
V1317	s116c	Where saw/heard the advert on the use of ACTs/malaria medicines: newspaper/magaz	discrete	numeric	
V1318	s116d	Where saw/heard the advert on the use of ACTs/malaria medicines: poster/leaflets	discrete	numeric	
V1319	s116e	Where saw/heard the advert on the use of ACTs/malaria medicines: billboard	discrete	numeric	
V1320	s116f	Where saw/heard the advert on the use of ACTs/malaria medicines: health worker	discrete	numeric	
V1321	s116x	Where saw/heard the advert on the use of ACTs/malaria medicines: other	discrete	numeric	
V1322	s116z	Where saw/heard the advert on the use of ACTs/malaria medicines: don't know/ don	discrete	numeric	
V1323	s117	Participated in any community event educating members on prevention/control of m	discrete	numeric	
V1324	s120	Experienced an episode of malaria in the past the 12 months	discrete	numeric	
V1325	s121	Sought advice/treatment the last time had malaria	discrete	numeric	
V1326	s122a	Place sought advice/treatment: government hospital	discrete	numeric	
V1327	s122b	Place sought advice/treatment: government health center/clinic	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1328	s122c	Place sought advice/treatment: Government health post/CHPS	discrete	numeric	
V1329	s122d	Place sought advice/treatment: mobile clinic	discrete	numeric	
V1330	s122e	Place sought advice/treatment: fieldworker/community health worker	discrete	numeric	
V1331	s122f	Place sought advice/treatment: other public sector	discrete	numeric	
V1332	s122g	Place sought advice/treatment: private hospital/clinic	discrete	numeric	
V1333	s122h	Place sought advice/treatment: pharmacy	discrete	numeric	
V1334	s122i	Place sought advice/treatment: chemist/drug store	discrete	numeric	
V1335	s122j	Place sought advice/treatment: FPG/PPAG clinic	discrete	numeric	
V1336	s122k	Place sought advice/treatment: private doctor	discrete	numeric	
V1337	s122l	Place sought advice/treatment: mobile clinic	discrete	numeric	
V1338	s122m	Place sought advice/treatment: fieldworker/community health worker	discrete	numeric	
V1339	s122n	Place sought advice/treatment: other private medical sector	discrete	numeric	
V1340	s122x	Place sought advice/treatment: other	discrete	numeric	
V1341	s123	Laboratory test conducted to confirm the malaria diagnosis	discrete	numeric	
V1342	s124	Any antimalaria medicine prescribed to treat the malaria or took medicines witho	discrete	numeric	
V1343	s125a	Antimalaria medicines prescribed or taken: SP/Sulphadoxine Pyrimethamine	discrete	numeric	
V1344	s125b	Antimalaria medicines prescribed or taken: chloroquine	discrete	numeric	
V1345	s125c	Antimalaria medicines prescribed or taken: DP/Dihydroartemisinin-Piperaquine	discrete	numeric	
V1346	s125d	Antimalaria medicines prescribed or taken: quinine	discrete	numeric	
V1347	s125e	Antimalaria medicines prescribed or taken: AA/Artesunate Amodiaquine	discrete	numeric	
V1348	s125f	Antimalaria medicines prescribed or taken: artemisinin	discrete	numeric	
V1349	s125g	Antimalaria medicines prescribed or taken: AL/Artemether-Lumefantrine	discrete	numeric	
V1350	s125h	Antimalaria medicines prescribed or taken: herbal medicine	discrete	numeric	
V1351	s125i	Antimalaria medicines prescribed or taken: non-antimalarial (paracetamol, antibi	discrete	numeric	
V1352	s125x	Antimalaria medicines prescribed or taken: other	discrete	numeric	
V1353	s125z	Antimalaria medicines prescribed or taken: don't know	discrete	numeric	
V1354	s126	Antimalaria medicine purchased	discrete	numeric	
V1355	s127	Paid out of pocket for the antimalaria medicines	discrete	numeric	
V1356	s129	Antimalaria medicine purchased at the same place sought care	discrete	numeric	
V1357	s130a	Place purchased antimalaria medicine: government hospital	discrete	numeric	
V1358	s130b	Place purchased antimalaria medicine: government health center	discrete	numeric	
V1359	s130c	Place purchased antimalaria medicine: government health post/chips	discrete	numeric	
V1360	s130d	Place purchased antimalaria medicine: mobile clinic	discrete	numeric	
V1361	s130e	Place purchased antimalaria medicine: fieldworker/community health worker	discrete	numeric	
V1362	s130f	Place purchased antimalaria medicine: other public sector	discrete	numeric	
V1363	s130g	Place purchased antimalaria medicine: private hospital/clinic	discrete	numeric	
V1364	s130h	Place purchased antimalaria medicine: pharmacy	discrete	numeric	
V1365	s130i	Place purchased antimalaria medicine: chemist/drug store	discrete	numeric	
V1366	s130j	Place purchased antimalaria medicine: FPG/PPAG clinic	discrete	numeric	
V1367	s130k	Place purchased antimalaria medicine: private doctor	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1368	s130l	Place purchased antimalaria medicine: mobile clinic	discrete	numeric	
V1369	s130m	Place purchased antimalaria medicine: Fieldworker/CHW	discrete	numeric	
V1370	s130n	Place purchased antimalaria medicine: other private medical sector	discrete	numeric	
V1371	s130o	Place purchased antimalaria medicine: shop	discrete	numeric	
V1372	s130p	Place purchased antimalaria medicine: traditional practitioner	discrete	numeric	
V1373	s130q	Place purchased antimalaria medicine: market	discrete	numeric	
V1374	s130r	Place purchased antimalaria medicine: itinerant drug seller	discrete	numeric	
V1375	s130x	Place purchased antimalaria medicine: other	discrete	numeric	
V1376	s131	Paid out of pocket for other services received related to the malaria infection	discrete	numeric	
V1377	s132	Aware that malaria is covered under the NHIS	discrete	numeric	
V1378	s211	Number of births in 2011-2016	discrete	numeric	

## REC95

Content	WOMAN - Country specific Health and Vaccination variables
Cases	3235
Variable(s)	14
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1379	hhid	Case Identification	discrete	character	
V1380	caseid	Case Identification	discrete	character	
V1381	idx95	Index to Birth History	discrete	numeric	
V1382	s403a	In 2015, enrolled in program to receive medicine monthly for 4 months to prevent	discrete	numeric	
V1383	s403b1	Number of doses taken in 2015	discrete	numeric	
V1384	s403b2	Number of doses taken in 2016	discrete	numeric	
V1385	s405a	Result of malaria blood test	discrete	numeric	
V1386	s412f	Drugs for fever: Artesunate amodiaquine rectal	discrete	numeric	
V1387	s412g	Drugs for fever: Artesunate amodiaquine injection/IV	discrete	numeric	
V1388	s412h	Drugs for fever: Artemisinin	discrete	numeric	
V1389	s412n	Drugs for fever: Paracetamol/Panadol	discrete	numeric	
V1390	s412o	Drugs for fever: Acetaminophen	discrete	numeric	
V1391	s423	How long after fever started did first take Artesunate with amodiaquine	discrete	numeric	
V1392	s425	How long after fever started did first take Artemisinin	discrete	numeric	

## RECML

Content	WOMAN - Malaria
Cases	3235
Variable(s)	69
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1393	hhid	Case Identification	discrete	character	
V1394	caseid	Case Identification	discrete	character	
V1395	idxml	Index to Birth History	discrete	numeric	
V1396	ml0	Type of mosquito bed net(s) child slept under last night	discrete	numeric	
V1397	ml1	Number of times took fansidar during pregnancy	discrete	numeric	
V1398	ml2	Source of antimalarial during pregnancy	discrete	numeric	
V1399	ml11	NA - Child has fever/cough now	discrete	numeric	
V1400	ml12	NA - Child has had convulsions in last 2 weeks	discrete	numeric	
V1401	ml13a	SP/Sulphadoxine-Pyrimethamine taken for fever	discrete	numeric	
V1402	ml13b	Chloroquine taken for fever	discrete	numeric	
V1403	ml13c	NA - Amodiaquine taken for fever	discrete	numeric	
V1404	ml13d	Quinine taken for fever	discrete	numeric	
V1405	ml13da	Quinine injection/IV taken for fever	discrete	numeric	
V1406	ml13e	Combination with artemisinin taken for fever	discrete	numeric	
V1407	ml13aa	NA - Artesunate rectal taken for fever	discrete	numeric	
V1408	ml13ab	NA - Artesunate injection/IV taken for fever	discrete	numeric	
V1409	ml13f	DP/Dihydroartemisinin-Piperaquine taken for fever	discrete	numeric	
V1410	ml13g	AL/Artemether Lumefantrine taken for fever	discrete	numeric	
V1411	ml13h	Other antimalarial taken for fever	discrete	numeric	
V1412	ml13i	Antibiotic pill/syrup taken for fever	discrete	numeric	
V1413	ml13j	Antibiotic injection/IV taken for fever	discrete	numeric	
V1414	ml13k	Aspirin taken for fever	discrete	numeric	
V1415	ml13l	Acetaminophen/paracetamol/panadol taken for fever	discrete	numeric	
V1416	ml13m	Ibuprofen taken for fever	discrete	numeric	
V1417	ml13n	Herbal medicine taken for fever	discrete	numeric	
V1418	ml13o	Supplements taken for fever	discrete	numeric	
V1419	ml13p	NA - CS other taken for fever	discrete	numeric	
V1420	ml13x	Other taken for fever	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1421	ml13y	Nothing taken and didn't seek treatment for fever	discrete	numeric	
V1422	ml13z	Don't know if or what was taken for fever	discrete	numeric	
V1423	ml14a	NA - Injection given for fever/convulsion***	discrete	numeric	
V1424	ml14b	NA - Suppository given for fever/convulsion***	discrete	numeric	
V1425	ml14y	NA - No suppository or injection given for fever/convulsion***	discrete	numeric	
V1426	ml14z	NA - Don't know if suppository or injection given for fever/convulsion***	discrete	numeric	
V1427	ml15a	Timing of start of SP/Sulphadoxine-Pyrimethamine	discrete	numeric	
V1428	ml15b	NA - Number of days child took fansidar	discrete	numeric	
V1429	ml15c	NA - First source for fansidar	discrete	numeric	
V1430	ml16a	Timing of start of chloroquine	discrete	numeric	
V1431	ml16b	NA - Number of days child took chloroquine	discrete	numeric	
V1432	ml16c	NA - First source for chloroquine	discrete	numeric	
V1433	ml17a	NA - Timing of start of amodiaquine	discrete	numeric	
V1434	ml17b	NA - Number of days child took amodiaquine	discrete	numeric	
V1435	ml17c	NA - First source for amodiaquine	discrete	numeric	
V1436	ml18a	Timing of start of quinine	discrete	numeric	
V1437	ml18b	NA - Number of days child took quinine	discrete	numeric	
V1438	ml18c	NA - First source for quinine	discrete	numeric	
V1439	ml19a	NA - For fever/convulsion: consulted traditional healer***	discrete	numeric	
V1440	ml19b	NA - For fever/convulsion: gave tepid sponging***	discrete	numeric	
V1441	ml19c	NA - For fever/convulsion: gave herbs***	discrete	numeric	
V1442	ml19d	NA - For fever/convulsion: CS***	discrete	numeric	
V1443	ml19e	NA - For fever/convulsion: CS***	discrete	numeric	
V1444	ml19f	NA - For fever/convulsion: CS***	discrete	numeric	
V1445	ml19x	NA - For fever/convulsion: other***	discrete	numeric	
V1446	ml19y	NA - For fever/convulsion: gave/did nothing***	discrete	numeric	
V1447	ml19z	NA - For fever/convulsion: don't know if something else was done***	discrete	numeric	
V1448	ml20a	Timing of start of combination with artemisinin	discrete	numeric	
V1449	ml20b	NA - Number of days child took combination with artemisinin	discrete	numeric	
V1450	ml20c	NA - First source for combination with artemisinin	discrete	numeric	
V1451	ml21a	Timing of start of DP/Dihydroartemisinin-Piperaquine	discrete	numeric	
V1452	ml21b	NA - Number of days child took CS antimalarial	discrete	numeric	
V1453	ml21c	NA - First source for CS antimalarial	discrete	numeric	
V1454	ml22a	Timing of start of AL/Artemether Lumefantrine	discrete	numeric	
V1455	ml22b	NA - Number of days child took CS antimalarial	discrete	numeric	
V1456	ml22c	NA - First source for CS antimalarial	discrete	numeric	
V1457	ml23a	Timing of start of other anti-malarial use	discrete	numeric	
V1458	ml23b	NA - Number of days child took other anti-malarial	discrete	numeric	
V1459	ml23c	NA - First source for other anti-malarial	discrete	numeric	
V1460	ml24c	NA - First source for antibiotic pill/syrup	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1461	ml25a	NA - Timing of start of artesunate	discrete	numeric	



## FWRECORD

Content	FIELDWORKER - Fieldworker record
Cases	61
Variable(s)	34
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

## Variables

ID	Name	Label	Type	Format	Question
V1462	fw101	Fieldworker code	contin	numeric	
V1463	fw000	Country code and phase	discrete	character	
V1464	fw102	Fieldworker region of residence	discrete	numeric	
V1465	fw103	Fieldworker type of place of residence	discrete	numeric	
V1466	fw104	Fieldworker age	contin	numeric	
V1467	fw105	Fieldworker sex	discrete	numeric	
V1468	fw106	Fieldworker marital status	discrete	numeric	
V1469	fw107	Fieldworker number of living children	discrete	numeric	
V1470	fw108	Fieldworker ever had a child who died	discrete	numeric	
V1471	fw109	Highest level of school attended by fieldworker	discrete	numeric	
V1472	fw110	Highest grade/form/year at that level completed by fieldworker	discrete	numeric	
V1473	fw111	Fieldworker religion	discrete	numeric	
V1474	fw112	Fieldworker ethnicity	discrete	numeric	
V1475	fw113	Other languages spoken by fieldworker	discrete	character	
V1476	fw113a	Akan	discrete	character	
V1477	fw113b	Ga	discrete	character	
V1478	fw113c	Ewe	discrete	character	
V1479	fw113d	English	discrete	character	
V1480	fw113e	Language E	discrete	character	
V1481	fw113f	Language F	discrete	character	
V1482	fw113g	Language G	discrete	character	
V1483	fw113h	Language H	discrete	character	
V1484	fw113i	Language I	discrete	character	
V1485	fw113j	Language J	discrete	character	
V1486	fw113k	Language K	discrete	character	
V1487	fw113l	Language L	discrete	character	
V1488	fw113m	Language M	discrete	character	
V1489	fw113x	Other language	discrete	character	

ID	Name	Label	Type	Format	Question
V1490	fw113y	No other language	discrete	character	
V1491	fw114	Fieldworker's mother tongue/native language	discrete	numeric	
V1492	fw115	Has fieldworker ever worked on a DHS	discrete	numeric	
V1493	fw116	Has fieldworker ever worked on any other survey	discrete	numeric	
V1494	fw117	Was fieldworker working for agency at the time employed for DHS	discrete	numeric	
V1495	fw118	Is fieldworker permanent or te temporary employed of agency	discrete	numeric	



## Case Identification (hhid)

File: RECH0

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Country code and phase (hv000)

File: RECH0

**Overview**

Type: Discrete  
 Format: character  
 Width: 3

## Cluster number (hv001)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 1-200

## Household number (hv002)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1-1030

Respondent's line number (answering Household questionnaire)  
(hv003)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-12

## Ultimate area unit (hv004)

File: RECH0

## Ultimate area unit (hv004)

File: RECH0

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-200

## Household sample weight (6 decimals) (hv005)

File: RECH0

### Overview

Type: Continuous  
Format: numeric  
Width: 7  
Decimals: 0  
Range: 0-5577687

## Month of interview (hv006)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-12

## Year of interview (hv007)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 2016-2016

## Date of interview (CMC) (hv008)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1402-1404

## Date of interview Century Day Code (CDC) (hv008a)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 5  
 Decimals: 0  
 Range: 42646-42711

## Number of household members (hv009)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-21

## Number of eligible women in household (hv010)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-7

## Number of de jure members (hv012)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-21

## Number of de facto members (hv013)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-20

## Number of children 5 and under (de jure) (hv014)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-6

## Result of household interview (hv015)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

## Day of interview (hv016)

File: RECH0

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-31

## Number of visits (hv017)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

## Interviewer identification (hv018)

File: RECH0

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1000-2103

## Ever-married sample (hv020)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Primary sampling unit (hv021)

File: RECH0

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-200

## Sample strata for sampling errors (hv022)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-20

## Stratification used in sample design (hv023)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-20

## Region (hv024)

File: RECH0

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-10



## Type of place of residence (hv025)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

## Field supervisor (hv030)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1000-2100

## Number of eligible children for height and weight (hv035)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

## Cluster altitude in meters (hv040)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 5-9999

## Household selected for hemoglobin (hv042)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Language of questionnaire (hv045a)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Language of interview (hv045b)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

## Native language of respondent (hv045c)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

## Translator used (hv046)

File: RECH0

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Time interview started (hhmm - 24 hour clock) (hv801)

File: RECH0

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 509-2235

Time interview ended (hhmm - 24 hour clock) (hv802)

File: RECH0

#### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 519-2248

Length of interview in minutes (hv803)

File: RECH0

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-97

Number of visits for biomarker (hv804)

File: RECH0

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

Day of biomarker visit (hv807d)

File: RECH0

#### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-31

Month of biomarker visit (hv807m)

File: RECH0

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-12

## Year of biomarker visit (hv807y)

File: RECH0

### Overview

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 2016-2016

## Date of biomarker (CMC) (hv807c)

File: RECH0

### Overview

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1402-1404

## Date of biomarker Century Day Code (CDC) (hv807a)

File: RECH0

### Overview

Type: Continuous  
 Format: numeric  
 Width: 5  
 Decimals: 0  
 Range: 42646-42712

## Case Identification (hhid)

File: RECH1

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Line number (hvidx)

File: RECH1

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-21

## Relationship to head (hv101)

File: RECH1

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-98

## Usual resident (hv102)

File: RECH1

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Slept last night (hv103)

File: RECH1

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Sex of household member (hv104)

File: RECH1

## Sex of household member (hv104)

File: RECH1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Age of household members (hv105)

File: RECH1

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-98

## Eligibility for female interview (hv117)

File: RECH1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Children eligibility for height/weight and hemoglobin (hv120)

File: RECH1

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Date of birth 0-6 years: day (sh07ad)

File: RECH1

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-98

Date of birth 0-6 years: month (sh07am)

File: RECH1

**Overview**

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-98

Date of birth 0-6 years: year (sh07ay)

File: RECH1

**Overview**

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 2009-9998

## Case Identification (hhid)

File: RECH2

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Source of drinking water (hv201)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-96

## Source of non-drinking water (hv202)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-96

## Time to get to water source (minutes) (hv204)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 0-998

## Type of toilet facility (hv205)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-96

## Has electricity (hv206)

File: RECH2



## Has electricity (hv206)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has radio (hv207)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has television (hv208)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has refrigerator (hv209)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has bicycle (hv210)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has motorcycle/scooter (hv211)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has car/truck (hv212)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Main floor material (hv213)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-96

## Main wall material (hv214)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-96

## Main roof material (hv215)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-96

## Number of rooms used for sleeping (hv216)

File: RECH2

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-22

## Relationship structure (hv217)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-5

## Line number of head of household (hv218)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-1

## Sex of head of household (hv219)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Age of head of household (hv220)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 16-98

## Has telephone (land-line) (hv221)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Share toilet with other households (hv225)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Type of cooking fuel (hv226)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-96

## Has mosquito bed net for sleeping (hv227)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Children under 5 slept under mosquito bed net last night (hv228)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

## Location of source for water (hv235)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

## Number of households sharing toilet (hv238)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 2-98

## Has mobile telephone (hv243a)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has wrist watch (hv243b)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Has animal-drawn cart (hv243c)

File: RECH2

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Has boat with a motor (hv243d)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Has a computer or tablet (hv243e)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Owns land usable for agriculture (hv244)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Hectares of agricultural land (1 decimal) (hv245)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 0-998

Owns livestock, herds or farm animals (hv246)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Owns cattle (hv246a)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns cows/ bulls (hv246b)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns horses/ donkeys/ mules (hv246c)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns goats (hv246d)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns sheep (hv246e)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns chickens/poultry (hv246f)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns pigs (hv246g)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns rabbits (hv246h)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Owns grasscutter (hv246i)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## NA - Owns CS (hv246j)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98



NA - Owns CS (hv246k)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-98

Has bank account (hv247)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Has dwelling been sprayed against mosquitoes in last 12 months (hv253)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

Dwelling sprayed by: government worker/program (hv253a)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

Dwelling sprayed by: private company (hv253b)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

Dwelling sprayed by: NGO (hv253c)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - Dwelling sprayed by: CS (hv253d)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - Dwelling sprayed by: CS (hv253e)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - Dwelling sprayed by: CS (hv253f)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - Dwelling sprayed by: CS (hv253g)

File: RECH2

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Dwelling sprayed by: CS (hv253h)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Dwelling sprayed by: other (hv253x)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Dwelling sprayed by: don't know (hv253z)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Wealth index combined (hv270)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-5

## Wealth index factor score combined (5 decimals) (hv271)

File: RECH2

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 7  
 Decimals: 0  
 Range: -284575-306302

## Wealth index for urban/rural (hv270a)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-5

## Wealth index factor score for urban/rural (5 decimals) (hv271a)

File: RECH2

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 7  
 Decimals: 0  
 Range: -425519-444970

## Number of mosquito bed nets (hml1)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Number of mosquito bed nets with specific information (hml1a)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-7

## Number of children under mosquito bed net previous night (hml2)

File: RECH2

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-5

## Case Identification (hhid)

File: RECH3

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## District (shdistrict)

File: RECH3

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-29

## Hectares for agricultural land (unit) (sh113u)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

## Hectares for agricultural land (number) (sh113n)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 17  
 Decimals: 0  
 Range: 0.100000001490116-99.8000030517578

## Freezer (sh114g)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Electric generator/invertor (sh114h)

File: RECH3

## Electric generator/invertor (sh114h)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Washing machine (sh114i)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Camera (sh114j)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Video/DVD/VCD (sh114k)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Sewing machine (sh114l)

File: RECH3

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Bed (sh114m)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Table (sh114n)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Chair (sh114o)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Cabinet/cupboard (sh114p)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Boat without a motor (sh115h)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Language of questionnaire (biomarker visit) (sblangq)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-4

## Language of interview (biomarker visit) (sblangi)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

## Language of respondent (biomarker visit) (sblangr)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

## Translator used (biomarker visit) (sbtrans)

File: RECH3

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



## Case Identification (hhid)

File: RECH6

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Index to Household Schedule (hc0)

File: RECH6

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 2-20

## Child's age in months (hc1)

File: RECH6

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-59

## Child's age in days (hc1a)

File: RECH6

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 0-1826

## Day of birth (hc16)

File: RECH6

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-98

## Date measured (day) (hc17)

File: RECH6

## Date measured (day) (hc17)

File: RECH6

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-31

## Date measured (month) (hc18)

File: RECH6

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-12

## Date measured (year) (hc19)

File: RECH6

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 2016-2016

## Century Day Code (CDC) of measurement (hc20)

File: RECH6

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 5  
 Decimals: 0  
 Range: 42646-42712

## Fieldworker measurer code (hc21)

File: RECH6

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1005-2105

## Sex (hc27)

### File: RECH6

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Month of birth (hc30)

### File: RECH6

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-98

## Year of birth (hc31)

### File: RECH6

#### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 2011-9998

## Date of birth (CMC) (hc32)

### File: RECH6

#### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1342-1403

## Century Day Code (CDC) of birth (hc32a)

### File: RECH6

#### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 40823-42695

## Completeness of HC32 information (hc33)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Line number of parent/caretaker (hc51)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-16

## Read consent statement - hemoglobin (hc52)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

## Hemoglobin level (g/dl - 1 decimal) (hc53)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 20-996

## Result of measurement - hemoglobin (hc55)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-6

## Hemoglobin level adjusted for altitude (g/dl - 1 decimal) (hc56)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 20-999

## Anemia level (hc57)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

## Mother's line number (woman's questionnaire) (hc60)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-995

## Mother's highest educational level (hc61)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## Mother's highest year of education (hc62)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-98

## Preceding birth interval (months) (hc63)

File: RECH6

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 9-999

## Birth order number (hc64)

File: RECH6

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-99

## Mother's highest educational level (for preliminary and final report) (hc68)

File: RECH6

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## Case Identification (hhid)

File: RECHMH

### Overview

Type: Discrete  
Format: character  
Width: 7

## Index to Household Schedule (hmhidx)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-21

## Type of Mosquito Bed Net(s) person slept under last night (hml12)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

## Net Designation Number (HMLIDX) for 1st net person slept under last night (hml13)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

## Net Designation Number (HMLIDX) for 2nd net person slept under last night (hml14)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 2-7

NA - Net Designation Number (HMLIDX) for 3rd net person slept under last night (hml15)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0

Corrected age from Individual file (hml16)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-98

Age in months (for children) (hml16a)

File: RECHMH

#### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 6-59

Flag for age from Individual file (hml17)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

Pregnancy status from Individual file (hml18)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



## Person slept under an ever-treated net (hml19)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Person slept under an LLIN net (hml20)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Line number of parent/caretaker (for malaria testing) (hml30)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-16

## Read consent statement for malaria (hml31)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

## Final result of malaria from blood smear test (hml32)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

## NA - Presence of species: falciparum (Pf) (hml32a)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: malariae (Pm) (hml32b)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: ovale (Po) (hml32c)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: vivax (Pv) (hml32d)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: CS (hml32e)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: CS (hml32f)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Presence of species: CS (hml32g)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Result of malaria measurement (hml33)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

## Bar code for blood smear sample (hml34)

File: RECHMH

**Overview**

Type: Discrete  
 Format: character  
 Width: 5

## Result of malaria rapid test (hml35)

File: RECHMH

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

## Result of the malaria RDT (sb115)

File: RECHMH

## Result of the malaria RDT (sb115)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

## Child suffering any illnesses or symptoms: Extreme weakness (sb118a)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Child suffering any illnesses or symptoms: Inability to drink or breastfeed (sb118b)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Child suffering any illnesses or symptoms: Vomiting everything (sb118c)

File: RECHMH

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Child suffering any illnesses or symptoms: Loss of consciousness (sb118d)

File: RECHMH

### Overview

Child suffering any illnesses or symptoms: Loss of consciousness (sb118d)

File: RECHMH

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Child suffering any illnesses or symptoms: Deep and labored breathing (sb118e)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Child suffering any illnesses or symptoms: Multiple convulsions (sb118f)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Child suffering any illnesses or symptoms: Abnormal spontaneous bleeding (sb118g)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Child suffering any illnesses or symptoms: Yellow eyes/jaundice (sb118h)

File: RECHMH

#### Overview

Child suffering any illnesses or symptoms: Yellow eyes/jaundice  
(sb118h)

File: RECHMH

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Taking ACT given by a doctor/health center to treat the malaria  
(sb121)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Accepted medicine for malaria treatment (sb125)

File: RECHMH

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

## Case Identification (hhid)

File: RECHML

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Mosquito Bed Net Designation Number (hmlidx)

File: RECHML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-7

## Net observed by interviewer (hml3)

File: RECHML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Months ago net obtained (hml4)

File: RECHML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## NA - Net treated with insecticide when bought (hml5)

File: RECHML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - Net treatment status (hml6)

File: RECHML

## NA - Net treatment status (hml6)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Brand of net (hml7)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-98

## Net treated since receiving (hml8)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Time since last re-treatment (months) (hml9)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-98

## Insecticide-Treated Net (ITN) (hml10)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



## Number of persons who slept under this net (hml11)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-5

## Someone slept under this net last night (hml21)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Line number of person who slept in this net (hmla)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-16

## Line number of person who slept in this net (hmlb)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-18

## Line number of person who slept in this net (hmlc)

File: RECHML

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-20

Line number of person who slept in this net (hml1)

File: RECHML

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-15

NA - Line number of person who slept in this net (hml2)

File: RECHML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0

Obtained net from campaign, antenatal or immunization visit (hml22)

File: RECHML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Place where net was obtained (hml23)

File: RECHML

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-98

Shown Net (sh121)

File: RECHML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

## Case Identification (hhid)

File: REC01

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC01

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Country code and phase (v000)

File: REC01

**Overview**

Type: Discrete  
 Format: character  
 Width: 3

## Cluster number (v001)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 1-200

## Household number (v002)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-30

## Respondent's line number (v003)

File: REC01

**Overview**

## Respondent's line number (v003)

File: REC01

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-17

## Ultimate area unit (v004)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 1-200

## Women's individual sample weight (6 decimals) (v005)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 7  
 Decimals: 0  
 Range: 0-5875519

## Month of interview (v006)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-12

## Year of interview (v007)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 2016-2016

## Date of interview (CMC) (v008)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1402-1404

## Date of interview Century Day Code (CDC) (v008a)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 5  
 Decimals: 0  
 Range: 42646-42711

## Respondent's month of birth (v009)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-12

## Respondent's year of birth (v010)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1967-2001

## Date of birth (CMC) (v011)

File: REC01

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 805-1223

## Respondent's current age (v012)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 15-49

## Age in 5-year groups (v013)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-7

## Completeness of age information (v014)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-8

## Result of individual interview (v015)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-7

## Day of interview (v016)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-31

## Ever-married sample (v020)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Primary sampling unit (v021)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-200

## Sample strata for sampling errors (v022)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-20

## Stratification used in sample design (v023)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-20

## Region (v024)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-10

## Type of place of residence (v025)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Number of visits (v027)

File: REC01

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

## Interviewer identification (v028)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1000-2103

## Field supervisor (v030)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1000-2100

## Cluster altitude in meters (v040)

File: REC01

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 5-9999



## Household selected for hemoglobin (v042)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Language of questionnaire (v045a)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Language of interview (v045b)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

## Native language of respondent (v045c)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

## Translator used (v046)

File: REC01

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Case Identification (hhid)

File: REC11

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC11

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Region (v101)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-10

## Type of place of residence (v102)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

## Highest educational level (v106)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-3

## Highest year of education (v107)

File: REC11

**Overview**

## Highest year of education (v107)

File: REC11

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Source of drinking water (v113)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-97

## Time to get to water source (v115)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 3  
Decimals: 0  
Range: 1-998

## Type of toilet facility (v116)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 10-97

## Household has: electricity (v119)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Household has: radio (v120)

File: REC11

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Household has: television (v121)

File: REC11

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Household has: refrigerator (v122)

File: REC11

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Household has: bicycle (v123)

File: REC11

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Household has: motorcycle/scooter (v124)

File: REC11

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

## Household has: car/truck (v125)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-7

## Main floor material (v127)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-97

## Main wall material (v128)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-97

## Main roof material (v129)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-97

## Religion (v130)

File: REC11

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-96

## Ethnicity (v131)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-96

## Education in single years (v133)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-97

## Usual resident or visitor (v135)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Number of household members (listed) (v136)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-21

## Number of children 5 and under in household (de jure) (v137)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-6

## Number of eligible women in household (de facto) (v138)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-7

## De jure region of residence (v139)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-97

## De jure type of place of residence (v140)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

## Educational attainment (v149)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-5

## Relationship to household head (v150)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-98

## Sex of household head (v151)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Age of household head (v152)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 16-98

## Household has: telephone (land-line) (v153)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

## Literacy (v155)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-4

## Toilet facilities shared with other households (v160)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7



## Type of cooking fuel (v161)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-97

## Wealth index combined (v190)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

## Wealth index factor score combined (5 decimals) (v191)

File: REC11

### Overview

Type: Continuous  
Format: numeric  
Width: 7  
Decimals: 0  
Range: -284575-306302

## Wealth index for urban/rural (v190a)

File: REC11

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

## Wealth index factor score for urban/rural (5 decimals) (v191a)

File: REC11

### Overview

Type: Continuous  
Format: numeric  
Width: 7  
Decimals: 0  
Range: -425519-444970

# Type of mosquito bed net(s) slept under last night (ml101)

File: REC11

## Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

## Case Identification (hhid)

File: REC21

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC21

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Birth column number (bidx)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Birth order number (bord)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Child is twin (b0)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-5

## Month of birth (b1)

File: REC21

**Overview**

## Month of birth (b1)

File: REC21

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-12

## Year of birth (b2)

File: REC21

### Overview

Type: Discrete  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 2011-2016

## Date of birth (CMC) (b3)

File: REC21

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1333-1403

## Sex of child (b4)

File: REC21

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Child is alive (b5)

File: REC21

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Current age of child (b8)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-5

## Child lives with whom (b9)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-4

## Completeness of information (b10)

File: REC21

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Preceding birth interval (months) (b11)

File: REC21

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 9-67

## Succeeding birth interval (months) (b12)

File: REC21

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 9-67

## Live birth between births (b15)

File: REC21

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Child's line number in household (b16)

File: REC21

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-20

## Day of birth (b17)

File: REC21

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-31

## Century Day Code of birth (CDC) (b18)

File: REC21

### Overview

Type: Continuous  
Format: numeric  
Width: 5  
Decimals: 0  
Range: 40544-42695

## Current age of child in months (months since birth for dead children) (b19)

File: REC21

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-70



## Case Identification (hhid)

File: REC22

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC22

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Total children ever born (v201)

File: REC22

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-18

## Sons at home (v202)

File: REC22

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-7

## Daughters at home (v203)

File: REC22

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

## Sons elsewhere (v204)

File: REC22

**Overview**



## Sons elsewhere (v204)

File: REC22

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-6

## Daughters elsewhere (v205)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## Sons who have died (v206)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-5

## Daughters who have died (v207)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-4

## Births in last five years (v208)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-4

## Births in past year (v209)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

## Births in month of interview (v210)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

## Currently pregnant (v213)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Duration of current pregnancy (v214)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

## Number of living children (v218)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-13

## Living children + current pregnancy (v219)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-13

## Living children + current pregnancy (grouped) (v220)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-6

## Last birth to interview (months) (v222)

File: REC22

### Overview

Type: Continuous  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 0-70

## Completeness of current pregnancy information (v223)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## Entries in birth history (v224)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-4

## Birth between last and interview (v237)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Births in last three years (v238)

File: REC22

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-4

## Case Identification (hhid)

File: REC41

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC41

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Index to Birth History (midx)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-1

## Prenatal: doctor (m2a)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Prenatal: nurse/midwife (m2b)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Prenatal: community health officer/nurse (m2c)

File: REC41

**Overview**

## Prenatal: community health officer/nurse (m2c)

File: REC41

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS health professional (m2d)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS health professional (m2e)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS health professional (m2f)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Prenatal: traditional birth attendant (m2g)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Prenatal: community/village health worker (m2h)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Prenatal: traditional health practitioner (m2i)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS other person (m2j)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Prenatal: other (m2k)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS other (m2l)

File: REC41

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Prenatal: CS other (m2m)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Prenatal: no one (m2n)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## During pregnancy took: SP/fansidar for malaria (m49a)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - During pregnancy took: chloroquine for malaria (m49b)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - During pregnancy took: CS drug for malaria (m49c)

File: REC41

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8



NA - During pregnancy took: CS drug for malaria (m49d)

File: REC41

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: CS drug for malaria (m49e)

File: REC41

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: CS drug for malaria (m49f)

File: REC41

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: CS drug for malaria (m49g)

File: REC41

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: other drug for malaria (m49x)

File: REC41

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: don't know (m49z)

File: REC41

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

NA - During pregnancy took: no drug for malaria (m49y)

File: REC41

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Case Identification (hhid)

File: REC42

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC42

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Entries in pregnancy and postnatal care roster (v417)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Entries in child health roster (v418a)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-4

## Entries in height/weight roster (v419)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-4

## Have mosquito bed net for sleeping (from household questionnaire) (v459)

File: REC42

Have mosquito bed net for sleeping (from household questionnaire)  
(v459)

File: REC42

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Children under 5 slept under mosquito bed net last night  
(household questionnaire (v460))

File: REC42

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Respondent slept under mosquito bed net (v461)

File: REC42

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Record for Last Birth (v468)

File: REC42

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Covered by health insurance (v481)

File: REC42

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Health insurance type: mutual/community organization (v481a)

### File: REC42

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Health insurance type: provided by employer (v481b)

### File: REC42

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Health insurance type: social security (National/district health insurance by NH (v481c)

### File: REC42

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Health insurance type: private/commercially purchased (v481d)

### File: REC42

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Health insurance type: CS (v481e)

### File: REC42

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Health insurance type: CS (v481f)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Health insurance type: CS (v481g)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Health insurance type: CS (v481h)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Health insurance type: other (v481x)

File: REC42

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Case Identification (hhid)

File: REC44

**Overview**

Type: Discrete

Format: character

Width: 7

## Case Identification (caseid)

File: REC44

**Overview**

Type: Discrete

Format: character

Width: 10

## Index to Birth History (hwidx)

File: REC44

**Overview**

Type: Discrete

Format: numeric

Width: 1

Decimals: 0

Range: 1-4

## Child's age in months (hw1)

File: REC44

**Overview**

Type: Continuous

Format: numeric

Width: 2

Decimals: 0

Range: 0-59

## Day of birth of child (hw16)

File: REC44

**Overview**

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: 1-98

## Date measured (day) (hw17)

File: REC44

**Overview**

Date measured (day) (hw17)

File: REC44

Type: Continuous

Format: numeric

Width: 2

Decimals: 0

Range: 1-31

Date measured (month) (hw18)

File: REC44

#### Overview

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: 1-12

Date measured (year) (hw19)

File: REC44

#### Overview

Type: Discrete

Format: numeric

Width: 4

Decimals: 0

Range: 2016-2016

Line number of parent/caretaker (hw51)

File: REC44

#### Overview

Type: Discrete

Format: numeric

Width: 2

Decimals: 0

Range: 0-16

Read consent statement - hemoglobin (hw52)

File: REC44

#### Overview

Type: Discrete

Format: numeric

Width: 1

Decimals: 0

Range: 1-3



## Hemoglobin level (g/dl - 1 decimal) (hw53)

File: REC44

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 3  
 Decimals: 0  
 Range: 44-996

## Result of measurement - hemoglobin (hw55)

File: REC44

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-7

## Hemoglobin level adjusted for altitude (g/dl - 1 decimal) (hw56)

File: REC44

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 44-9999

## Anemia level (hw57)

File: REC44

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

## Case Identification (hhid)

File: REC4A

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC4A

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Index to birth history (hidxa)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Had fever in last two weeks (h22)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Fever/cough: government hospital (h32a)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: government health center (h32b)

File: REC4A

**Overview**

Fever/cough: government health center (h32b)

File: REC4A

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: government health post/CHPS (h32c)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: mobile clinic (h32d)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: fieldworker/community health worker (h32e)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: other public sector (h32f)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Fever/cough: CS public sector (h32g)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Fever/cough: CS public sector (h32h)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Fever/cough: CS public sector (h32i)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: private hospital/ clinic (h32j)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: private pharmacy (h32k)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

Fever/cough: private doctor (h32l)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: chemist/drug store (h32m)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: FPG/PPAG clinic (h32n)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: mobile clinic (h32o)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Fever/cough: fieldworker/community health worker (h32p)

File: REC4A

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Fever/cough: other private medical sector (h32q)

File: REC4A

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Fever/cough: CS private medical (h32r)

File: REC4A

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Fever/cough: shop (h32s)

File: REC4A

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Fever/cough: traditional practitioner (h32t)

File: REC4A

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Fever/cough: market (h32u)

File: REC4A

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Fever/cough: itinerant drug seller (h32v)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Fever/cough: CS other sector (h32w)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: other (h32x)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: no treatment (h32y)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Fever/cough: medical treatment (h32z)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place first sought treatment for fever (h46a)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 10-96

## Number of days after fever began sought advice or treatment (h46b)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-98

## Blood taken from child's finger/heel for testing (h47)

File: REC4A

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8



## Case Identification (hhid)

File: REC81

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC81

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Time interview started (hhmm - 24 hour clock) (v801)

File: REC81

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 543-2249

## Time interview ended (hhmm - 24 hour clock) (v802)

File: REC81

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 548-2254

## Length of interview in minutes (v803)

File: REC81

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-97

## Number of visits (v804)

File: REC81

**Overview**

## Number of visits (v804)

File: REC81

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-5

## Interviewer identification (v805)

File: REC81

### Overview

Type: Continuous  
Format: numeric  
Width: 4  
Decimals: 0  
Range: 1000-2103

## Case Identification (hhid)

File: REC91

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC91

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## District (sdistrict)

File: REC91

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-29

## Highest educational level (s105)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-6

## Highest educational level final report (s105a)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-3

## Causes of malaria: eating sweet foods (s110aa)

File: REC91

**Overview**

## Causes of malaria: eating sweet foods (s110aa)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: standing/working in the sun (s110ab)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: eating contaminated food (s110ac)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: mosquito bites (s110ad)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: malaria parasite (P. Falciparum) (s110ae)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: hereditary (s110af)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: dirty surroundings (s110ag)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: weedy surroundings (s110ah)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: stagnant water (s110ai)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: eating oily food (s110aj)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: insects, houseflies (s110ak)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: personal hygiene (s110al)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: other (s110ax)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Causes of malaria: don't know (s110az)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: hot body fever (s110ba)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: vomiting/diarrhea (s110bb) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: strong headaches/dizziness (s110bc) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: loss of appetite (s110bd) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: weakness of the body (s110be) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: cough (s110bf) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: chills (s110bg)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: bitterness in the mouth (s110bh)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: urine color (s110bi)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: eye color (s110bj)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to know if someone has malaria: other (s110bx)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



How to know if someone has malaria: don't know (s110bz)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: sleep under a mosquito net (s110ca)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: sleep under an insecticide-treated mosquito net (s110cb)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: use mosquito repellent (s110cc)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: spray the house/rooms with insecticide (s110cd)

File: REC91

#### Overview

How to protect against malaria: spray the house/rooms with insecticide (s110cd)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: clear weeds around the house (s110ce)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: fill in stagnant waters (puddles) (s110cf)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: keep surrounding clean (s110cg)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: put mosquito screen on windows (s110ch)

File: REC91

#### Overview

How to protect against malaria: put mosquito screen on windows (s110ch)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: avoid sitting/staying outside for long/staying i (s110ci)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: avoid eating oily/cold food (s110cj)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: avoid contaminated food (s110ck)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

How to protect against malaria: personal hygiene (s110cl)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to protect against malaria: wearing protective clothes (s110cm)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to protect against malaria: other (s110cx)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How to protect against malaria: don't know (s110cz)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Malaria can be treated (s110d)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Seen or heard any messages about malaria in the past 6 months (s111)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Where saw or heard malaria messages: radio (s112aa)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: television (s112ab)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: poster/billboard (s112ac)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: newspaper/magazine (s112ad)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: leaflet/brochure (s112ae)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: health worker (s112af)

### File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Where saw or heard malaria messages: community health worker (s112ag)

### File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Where saw or heard malaria messages: community volunteer/CBA (s112ah)

### File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Where saw or heard malaria messages: word of mouth/Viva Voce (s112ai)

### File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Where saw or heard malaria messages: community event (s112aj)

### File: REC91

#### Overview

## Where saw or heard malaria messages: community event (s112aj)

File: REC91

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: school (s112ak)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: anywhere else (s112ax)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Where saw or heard malaria messages: don't remember (s112az)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Heard malaria message on the radio in the past 6 months (s112a)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-2

Seen malaria message on the television in the past 6 months  
(s112b)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Seen malaria message on a poster or billboard in the past 6 months (s112c)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Seen malaria message on a newspaper or magazine in the past 6 months (s112d)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Seen malaria message on a leaflet or brochure in the past 6 months (s112e)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Heard malaria message from a health worker in the past 6 months (s112f)

File: REC91

#### Overview



Heard malaria message from a health worker in the past 6 months (s112f)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Heard malaria message from a Community Health Worker in the past 6 months (s112g)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Heard malaria message from a community volunteer or a CBA the past 6 months (s112h)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Heard malaria message from a word of moth in the past 6 months (s112i)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Heard malaria message at a community event in the past 6 months (s112j)

File: REC91

#### Overview

Heard malaria message at a community event in the past 6 months (s112j)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

Messages seen/heard in the past 6 months: if have fever go to health facility (s113a)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: sleep under an insecticide-treated mos (s113b)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: pregnant women should take drugs to pr (s113c)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: SP protects pregnant women and unborn (s113d)

File: REC91

#### Overview

Messages seen/heard in the past 6 months: SP protects pregnant women and unborn (s113d)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: always test before treating malaria (s113e)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: treat malaria with ACTs (s113f)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: malaria kills (s113g)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: clean environment/spray rooms with ins (s113h)

File: REC91

#### Overview

Messages seen/heard in the past 6 months: clean environment/spray rooms with ins (s113h)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: avoid eating cold/ oily/ contaminated/ (s113i)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: personal hygiene (s113j)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: other (s113x)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Messages seen/heard in the past 6 months: don't know/ don't remember (s113z)

File: REC91

#### Overview

Messages seen/heard in the past 6 months: don't know/ don't remember (s113z)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Seen/heard message 'Mea menya me net, Ntontom mpo suro' music video/song in the (s114a)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Seen/heard advert recommending everyone to sleep under treated net by musician K (s114b)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Seen/heard advert where people were asked to test first before taking malaria me (s114c)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-3

Seen/heard any advert on the use of ACTs/malaria medicines in the past 6 months (s115)

File: REC91

#### Overview

Seen/heard any advert on the use of ACTs/malaria medicines in the past 6 months (s115)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines: television (s116a)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines: radio (s116b)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines: newspaper/magaz (s116c)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines: poster/leaflets (s116d)

File: REC91

#### Overview

Where saw/heard the advert on the use of ACTs/malaria medicines:  
poster/leaflets (s116d)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines:  
billboard (s116e)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines:  
health worker (s116f)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines:  
other (s116x)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Where saw/heard the advert on the use of ACTs/malaria medicines:  
don't know/ don (s116z)

File: REC91

#### Overview

Where saw/heard the advert on the use of ACTs/malaria medicines:  
don't know/ don (s116z)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Participated in any community event educating members on  
prevention/control of m (s117)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Experienced an episode of malaria in the past the 12 months (s120)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Sought advice/treatment the last time had malaria (s121)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: government hospital (s122a)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



Place sought advice/treatment: government health center/clinic (s122b)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: Government health post/CHPS (s122c)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: mobile clinic (s122d)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: fieldworker/community health worker (s122e)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: other public sector (s122f)

File: REC91

#### Overview

Place sought advice/treatment: other public sector (s122f)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: private hospital/clinic (s122g)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: pharmacy (s122h)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: chemist/drug store (s122i)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: FPG/PPAG clinic (s122j)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: private doctor (s122k)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: mobile clinic (s122l)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: fieldworker/community health worker (s122m)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: other private medical sector (s122n)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place sought advice/treatment: other (s122x)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Laboratory test conducted to confirm the malaria diagnosis (s123) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Any antimalaria medicine prescribed to treat the malaria or took medicines witho (s124) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-2

## Antimalaria medicines prescribed or taken: SP/Sulphadoxine Pyrimethamine (s125a) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: chloroquine (s125b) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: DP/Dihydroartemisinin-Piperaquine (s125c) File: REC91

### Overview

## Antimalaria medicines prescribed or taken: DP/Dihydroartemisinin-Piperaquine (s125c) File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: quinine (s125d) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: AA/Artesunate Amodiaquine (s125e) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: artemisinin (s125f) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: AL/Artemether-Lumefantrine (s125g) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: herbal medicine (s125h)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: non-antimalarial (paracetamol, antibi (s125i)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: other (s125x)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicines prescribed or taken: don't know (s125z)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicine purchased (s126)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Paid out of pocket for the antimalaria medicines (s127)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antimalaria medicine purchased at the same place sought care (s129)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: government hospital (s130a)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: government health center (s130b)

File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: government health post/chips (s130c)

File: REC91

### Overview

Place purchased antimalaria medicine: government health post/chips (s130c)

File: REC91

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place purchased antimalaria medicine: mobile clinic (s130d)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place purchased antimalaria medicine: fieldworker/community health worker (s130e)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place purchased antimalaria medicine: other public sector (s130f)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

Place purchased antimalaria medicine: private hospital/clinic (s130g)

File: REC91

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1



## Place purchased antimalaria medicine: pharmacy (s130h)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: chemist/drug store (s130i)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: FPG/PPAG clinic (s130j)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: private doctor (s130k)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: mobile clinic (s130l)

File: REC91

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: Fieldworker/CHW (s130m) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: other private medical sector (s130n) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: shop (s130o) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: traditional practitioner (s130p) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: market (s130q) File: REC91

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Place purchased antimalaria medicine: itinerant drug seller (s130r)

### File: REC91

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Place purchased antimalaria medicine: other (s130x)

### File: REC91

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Paid out of pocket for other services received related to the malaria infection (s131)

### File: REC91

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Aware that malaria is covered under the NHIS (s132)

### File: REC91

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Number of births in 2011-2016 (s211)

### File: REC91

#### Overview

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-4



## Case Identification (hhid)

File: REC95

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: REC95

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Index to Birth History (idx95)

File: REC95

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## In 2015, enrolled in program to receive medicine monthly for 4 months to prevent (s403a)

File: REC95

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-3

## Number of doses taken in 2015 (s403b1)

File: REC95

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-12

## Number of doses taken in 2016 (s403b2)

File: REC95

## Number of doses taken in 2016 (s403b2)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-12

## Result of malaria blood test (s405a)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Drugs for fever: Artesunate amodiaquine rectal (s412f)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Drugs for fever: Artesunate amodiaquine injection/IV (s412g)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Drugs for fever: Artemisinin (s412h)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Drugs for fever: Paracetamol/Panadol (s412n)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Drugs for fever: Acetaminophen (s412o)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## How long after fever started did first take Artesunate with amodiaquine (s423)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## How long after fever started did first take Artemisinin (s425)

File: REC95

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Case Identification (hhid)

File: RECML

**Overview**

Type: Discrete  
 Format: character  
 Width: 7

## Case Identification (caseid)

File: RECML

**Overview**

Type: Discrete  
 Format: character  
 Width: 10

## Index to Birth History (idxml)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-4

## Type of mosquito bed net(s) child slept under last night (ml0)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-3

## Number of times took fansidar during pregnancy (ml1)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-98

## Source of antimalarial during pregnancy (ml2)

File: RECML

**Overview**



## Source of antimalarial during pregnancy (ml2)

File: RECML

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-6

## NA - Child has fever/cough now (ml11)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Child has had convulsions in last 2 weeks (ml12)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## SP/Sulphadoxine-Pyrimethamine taken for fever (ml13a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Chloroquine taken for fever (ml13b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Amodiaquine taken for fever (ml13c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Quinine taken for fever (ml13d)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Quinine injection/IV taken for fever (ml13da)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Combination with artemisinin taken for fever (ml13e)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Artesunate rectal taken for fever (ml13aa)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## NA - Artesunate injection/IV taken for fever (ml13ab)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## DP/Dihydroartemisinin-Piperaquine taken for fever (ml13f)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## AL/Artemether Lumefantrine taken for fever (ml13g)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Other antimalarial taken for fever (ml13h)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antibiotic pill/syrup taken for fever (ml13i)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Antibiotic injection/IV taken for fever (ml13j)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Aspirin taken for fever (ml13k)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Acetaminophen/paracetamol/panadol taken for fever (ml13l)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Ibuprofen taken for fever (ml13m)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Herbal medicine taken for fever (ml13n)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Supplements taken for fever (ml13o)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - CS other taken for fever (ml13p)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Other taken for fever (ml13x)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Nothing taken and didn't seek treatment for fever (ml13y)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Don't know if or what was taken for fever (ml13z)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Injection given for fever/convulsion\*\*\* (ml14a)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Suppository given for fever/convulsion\*\*\* (ml14b)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - No suppository or injection given for fever/convulsion\*\*\* (ml14y)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - Don't know if suppository or injection given for fever/convulsion\*\*\* (ml14z)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## Timing of start of SP/Sulphadoxine-Pyrimethamine (ml15a)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - Number of days child took fansidar (ml15b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for fansidar (ml15c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Timing of start of chloroquine (ml16a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Number of days child took chloroquine (ml16b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for chloroquine (ml16c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Timing of start of amodiaquine (ml17a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Number of days child took amodiaquine (ml17b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for amodiaquine (ml17c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Timing of start of quinine (ml18a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## NA - Number of days child took quinine (ml18b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8



## NA - First source for quinine (ml18c)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - For fever/convulsion: consulted traditional healer\*\*\* (ml19a)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - For fever/convulsion: gave tepid sponging\*\*\* (ml19b)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - For fever/convulsion: gave herbs\*\*\* (ml19c)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

## NA - For fever/convulsion: CS\*\*\* (ml19d)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-1

NA - For fever/convulsion: CS\*\*\* (ml19e)

File: RECML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

NA - For fever/convulsion: CS\*\*\* (ml19f)

File: RECML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

NA - For fever/convulsion: other\*\*\* (ml19x)

File: RECML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

NA - For fever/convulsion: gave/did nothing\*\*\* (ml19y)

File: RECML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

NA - For fever/convulsion: don't know if something else was done\*\*\* (ml19z)

File: RECML

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-1

## Timing of start of combination with artemisinin (ml20a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-9

## NA - Number of days child took combination with artemisinin (ml20b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for combination with artemisinin (ml20c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Timing of start of DP/Dihydroartemisinin-Piperaquine (ml21a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Number of days child took CS antimalarial (ml21b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for CS antimalarial (ml21c)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Timing of start of AL/Artemether Lumefantrine (ml22a)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-9

## NA - Number of days child took CS antimalarial (ml22b)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 7-8

## NA - First source for CS antimalarial (ml22c)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## Timing of start of other anti-malarial use (ml23a)

File: RECML

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 0-8

## NA - Number of days child took other anti-malarial (ml23b)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 7-8

## NA - First source for other anti-malarial (ml23c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - First source for antibiotic pill/syrup (ml24c)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## NA - Timing of start of artesunate (ml25a)

File: RECML

### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-8

## Fieldworker code (fw101)

File: FWRECORD

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 4  
 Decimals: 0  
 Range: 1000-2105

## Country code and phase (fw000)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: character  
 Width: 3

## Fieldworker region of residence (fw102)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 1-10

## Fieldworker type of place of residence (fw103)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

## Fieldworker age (fw104)

File: FWRECORD

**Overview**

Type: Continuous  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 24-57

## Fieldworker sex (fw105)

File: FWRECORD

## Fieldworker sex (fw105)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-2

## Fieldworker marital status (fw106)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

## Fieldworker number of living children (fw107)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 2  
 Decimals: 0  
 Range: 0-99

## Fieldworker ever had a child who died (fw108)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-9

## Highest level of school attended by fieldworker (fw109)

File: FWRECORD

**Overview**

Type: Discrete  
 Format: numeric  
 Width: 1  
 Decimals: 0  
 Range: 1-6

Highest grade/form/year at that level completed by fieldworker (fw110)

File: FWRECORD

#### Overview

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 0-7

Fieldworker religion (fw111)

File: FWRECORD

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-96

Fieldworker ethnicity (fw112)

File: FWRECORD

#### Overview

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-96

Other languages spoken by fieldworker (fw113)

File: FWRECORD

#### Overview

Type: Discrete  
Format: character  
Width: 5

Akan (fw113a)

File: FWRECORD

#### Overview

Type: Discrete  
Format: character  
Width: 1

Ga (fw113b)

File: FWRECORD



Ga (fw113b)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

Ewe (fw113c)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

English (fw113d)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

Language E (fw113e)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

Language F (fw113f)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

Language G (fw113g)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language H (fw113h)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language I (fw113i)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language J (fw113j)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language K (fw113k)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language L (fw113l)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

## Language M (fw113m)

File: FWRECORD

**Overview**

Type: Discrete

Format: character

Width: 1

Other language (fw113x)

File: FWRECORD

**Overview**

Type: Discrete  
Format: character  
Width: 1

No other language (fw113y)

File: FWRECORD

**Overview**

Type: Discrete  
Format: character  
Width: 1

Fieldworker's mother tongue/native language (fw114)

File: FWRECORD

**Overview**

Type: Discrete  
Format: numeric  
Width: 2  
Decimals: 0  
Range: 1-96

Has fieldworker ever worked on a DHS (fw115)

File: FWRECORD

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

Has fieldworker ever worked on any other survey (fw116)

File: FWRECORD

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-9

Was fieldworker working for agency at the time employed for DHS (fw117)

File: FWRECORD

Was fieldworker working for agency at the time employed for DHS  
(fw117)

File: FWRECORD

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-3

Is fieldworker permanent or te temporary employed of agency  
(fw118)

File: FWRECORD

**Overview**

Type: Discrete  
Format: numeric  
Width: 1  
Decimals: 0  
Range: 1-2

## Related Materials

### Questionnaires

#### 2016 Ghana Malaria Indicator Survey, Household Questionnaire

---

Title 2016 Ghana Malaria Indicator Survey, Household Questionnaire  
 Author(s) Ghana Statistical Services Ministry of Health  
 Date 2016-09-29  
 Country Ghana  
 Language English  
 Filename Ghana\_2016\_MIS\_hh\_questionnaire.pdf

---

#### 2016 Ghana Malaria Indicator Survey, Woman's Questionnaire

---

Title 2016 Ghana Malaria Indicator Survey, Woman's Questionnaire  
 Author(s) Ghana Statistical Services Ministry of Health  
 Date 2016-09-29  
 Country Ghana  
 Language English  
 Filename Ghana\_2016\_MIS\_woman\_questionnaire.pdf

---

#### 2016 Ghana Malaria Indicator Survey, Biomarker Questionnaire

---

Title 2016 Ghana Malaria Indicator Survey, Biomarker Questionnaire  
 Author(s) Ghana Statistical Services Ministry of Health  
 Date 2016-09-29  
 Country Ghana  
 Language English  
 Filename Ghana\_2016\_MIS\_biomarker\_questionnaire.pdf

---

#### 2016 Ghana Malaria Indicator Survey, Fieldworker Questionnaire

---

Title 2016 Ghana Malaria Indicator Survey, Fieldworker Questionnaire  
 Author(s) Ghana Statistical Services Ministry of Health  
 Date 2016-09-26  
 Country Ghana  
 Language English  
 Filename Ghana\_2016\_MIS\_fieldworker\_questionnaire.pdf

---

### Reports

#### Ghana Malaria Indicator Survey 2016, Final Report

---

Title Ghana Malaria Indicator Survey 2016, Final Report  
 Author(s) Ghana Statistical Service, Accra, Ghana National Malaria Control Programme, Accra, Ghana National Public Health Reference Laboratory, Accra, Ghana The DHS Program, ICF, Rockville, Maryland, USA

Date 2017-05-01

Country Ghana

Language English

TABLES AND FIGURES

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1.3 Questionnaires

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APPENDIX C DATA QUALITY TABLES

APPENDIX D PERSONS INVOLVED IN THE 2016 GMIS

APPENDIX E QUESTIONNAIRES

Filename <http://dhsprogram.com/pubs/pdf/MIS26/MIS26.pdf>

## Ghana Malaria Indicator Survey 2016, Key Indicators

Title Ghana Malaria Indicator Survey 2016, Key Indicators

Author(s) Ghana Statistical Service, Accra, Ghana National Malaria Control Programme, Accra, Ghana National Public Health Reference Laboratory, Accra, Ghana The DHS Program, ICF, Rockville, Maryland, USA  
 Date 2017-02-01  
 Country Ghana  
 Language English  
 Filename Ghana\_2016\_MIS\_key\_indicators\_PR86.pdf

---

## Fast Facts from The 2016 Ghana MIS

---

Title Fast Facts from The 2016 Ghana MIS  
 Author(s) The DHS Program  
 Date 2017-05-01  
 Country Ghana  
 Language English  
 Filename <http://dhsprogram.com/pubs/pdf/DM111/DM111.pdf>

---

## Ghana Malaria Indicator Survey 2016, Malaria Prevalence by Region

---

Title Ghana Malaria Indicator Survey 2016, Malaria Prevalence by Region  
 Author(s) The DHS Program  
 Date 2017-05-01  
 Country Ghana  
 Language English  
 Filename <http://dhsprogram.com/pubs/pdf/MF20/MF20.pdf>

---

## Ghana Malaria Indicator Survey 2016, Wall Chart

---

Title Ghana Malaria Indicator Survey 2016, Wall Chart  
 Author(s) The DHS Program  
 Date 2017-05-01  
 Country Ghana  
 Language English  
 Filename <http://dhsprogram.com/pubs/pdf/DM110/DM110.pdf>

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