



Variables' Mapping and Availability Matrix (Version 1), Sudan 2006 and 2010

Household Health Surveys (HHS)

**ECONOMIC
RESEARCH
FORUM**



**منتدى
البحوث
الاقتصادية**

OPEN ACCESS MICRO DATA INITIATIVE (OAMDI)
*for the Arab Countries,
Iran and Turkey*

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
Source variable columns: Indicate the variables available in the original datasets of both years 2006 and 2010.						
If source variables exist in both survey years, a level of harmonization (fully/partially) is identified by a (√) in the relevant column.						
Fully harmonized means that the 2 variables have the same definition, universe, and categories.						
Partially harmonized means that the 2 variables have different universe, or categories.						
If two variables are identified to be partially harmonized, the differences between them is further elaborated in the comments column.						
COMMON VARIABLES IN ALL MODULES						
FILE IDENTIFICATION AND INFORMATION						
COUNTRY	Country			√		Generated by ERF
YEAR	Year	HH5Y	HH5Y	√		
CASESER	Unique household identifier	STATE HH1 HH2	HH1S HH1C HH2	√		A household identifier is generated by ERF, using the variables (STATE, CLSTR & HNUM) in both 2006 and 2010 datasets, to uniquely identify each household.
HNUM	Household number	HH2	HH2	√		
CLSTR	Cluster number	HH1	HH1C	√		
HWEIGHT	Household weight	hhweight	hhweight	√		Continuous variables
WWEIGHT	Woman weight	wmweight	-			
CWEIGHT	Children weight	chweight	-			
WSCORE	Wealth index score	wlthscor	wscore	√		Continuous variables
WQUINTL	Wealth index quintiles	wlthind5	windex5	√		
GEOGRAPHICAL CHARACTERISTICS						
STATE	State	STATE	HH1S HH7		√	The sample in 2006 covers both Northern and Southern Sudan, while that in 2010 covers only the Northern areas.
RURURB	Urban/Rural residence	HH6	HH6	√		
LOCL	Locality code	HH7	-			
LOCL_CO	Location: County/Mahaliya	-	HH7CM			
LOCL_AD	Location: Payam/Administrative unit	-	HH7PA			
LOCL_PA	Location: Boma/Popular AU	-	HH7BP			
LOCL_EA	Location: Enumeration Area	-	HH7EA			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
I HOUSEHOLDS' MODULE						
FILE IDENTIFICATION AND INFORMATION						
RPNUM	Respondent to household questionnaire	HH10	HH10	√		
RHINTRV	Result of household interview	HH9	HH9	√		
STRATUM	Stratum	stratum	-			
HOUSEHOLD COMPOSITION						
TPNUM	Total number of household members	HH11	HH11	√		
FEM15_49	Total number of females (15-49) years in the household	HH12	HH12	√		
CH_UND5	Total number of children under 5 years in the household	HH14	HH14	√		
HOUSEHOLD INCOME AND RESOURCES						
LNDFR	Household owns land for farming, grazing, or fishing	HI1	HC11	√		
LNDFR_N	Number of faddans of agricultural land are owned by household	-	HC12			
USLNDFR	Using land for farming	HI2	-			
LIVESTOK	Has livestock, herds, or farm animals	HI3	HC13	√		
CATTLE	Numbers of cattle	HI4	HC14A		√	The two variables have different categories.
CHICKN	Numbers of chickens	HI5	-			
CHPIDU	Numbers of chickens, pigeons and ducks	-	HC14E			
GOAT	Numbers of goats	HI6	HC14C		√	The two variables have different categories.
COW	Numbers of milk cows	HI7	HC14AA		√	
SHEEP	Numbers of sheep	HI8	HC14D		√	
HORSE	Numbers of horses, donkeys, mules	HI9	HC14AB		√	
CAMEL	Numbers of camels	HI10	HC14AG		√	
PIG	Number of pigs	-	HC14AF			

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DWELLING CHARACTERISTICS						
DW_OWN	Household owns the dwelling	-	HC10			
WAT	Main source of drinking water	WS1	WS1		√	The two variables have different categories.
WAT_OTHR	Main source of water used for cooking and other purposes	WS2	WS2		√	
WATIME	Time to get water and come back	WS3	WS4	√		
WATDIST	Distance to the water source from residence	-	WS4A			
WATFTCH	Individual who is fetching the water	WS4	WS5	√		
WATREAT	Treating water to make it safer for drinking	WS5	WS6	√		
WATREAT_X variables (9 Missing, 1 Yes)	X=1 Water treatment by boiling	WS6A	WS7A	√		
	X=2 Water treatment by adding bleach/chlorine	WS6B	WS7B	√		
	X=3 Water treatment by straining it through a cloth	-	WS7C			
	X=4 Water treatment by using water filter	WS6C	WS7D	√		
	X=5 Water treatment by solar disinfection	WS6D	WS7E	√		
	X=6 Water treatment by letting it stand and settle	WS6E	WS7F	√		
	X=7 Water treatment: Other	WS6X	WS7X	√		
	X=8 Water treatment: DK	WS6Z	WS7Z	√		
TOIF	Type of toilet facility	WS7	WS8	√		
TOIF_SH	Toilet facility shared	WS8	WS9	√		
TOIF_PUB	Toilet facility shared with other known household or open to the use of general public	-	WS10			
TOIF_NHH	Numbers of households using this toilet facility	WS9	WS11		√	The two variables have different categories where zero in 2010 indicates less than 10 households
GRBG_DSP	Garbage disposal method	-	WS11A			
ROOM	Number of rooms / tukuls	HC2	HC02	√		
ROOM_SL	Number of rooms used for sleeping	-	HC2			
FLOOR	Main material of floor	HC3	HC3		√	The two variables have different categories.
ROOF	Main material of roof	HC4	HC4		√	
WALL	Main material of the exterior walls	-	HC5			
SCOOK	Source of energy for cooking	HC6	HC6	√		
KTCHEF_SH	Kitchen facility shared	HC8	HC7		√	The two variables have different categories.
ELECT	Connection to electricity	HC9A	HC8A	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
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OWNERSHIP OF DURABLES						
RADIO	Has a radio	HC9B	HC8B	√		
TELV	Has a TV, LCD, LED, etc.	HC9C	HC8C	√		
TELPHC	Has a cell phone	HC9D	HC9B	√		
TELPHL	Has a landline phone	HC9E	HC8D	√		
REFRG	Has a refrigerator	HC9F	HC8E	√		
COMPUTER	Has a computer	HC9G	HC8F	√		
INTERNET	Has an internet line and related equipment	HC9H	HC8G	√		
SATD_REC	Has a digital receiver	-	HC8H			
WATCH	Has a watch	HC10A	HC9A	√		
BIKE	Has a bicycle	HC10B	HC9C	√		
MTRCYCL	Has a motorcycle or scooter	HC10C	HC9D	√		
CART	Has an animal-drawn cart	HC10D	HC9E	√		
CAR	Has a car or truck	HC10E	HC9F	√		
BOAT	Has a boat with motor	HC10F	HC9G	√		
ELECT_A	Access to electricity	HC9_AA	-			
RADIO_A	Access to Radio	HC9_AB	-			
TELV_A	Access to television	HC9_AC	-			
TELPHC_A	Access to mobile phone	HC9_AD	-			
TELPHL_A	Access to non-mobile phone	HC9_AE	-			
REFRG_A	Access to refrigerator	HC9_AF	-			
COMPUTER_A	Access to computer	HC9_AG	-			
INTERNET_A	Access to internet	HC9_AH	-			
WATCH_A	Access to watch	HC10_AA	-			
BIKE_A	Access to bicycle	HC10_AB	-			
MTRCYCL_A	Access to motorcycle or scooter	HC10_AC	-			
CART_A	Access to animal-drawn cart	HC10_AD	-			
CAR_A	Access to car or truck	HC10_AE	-			
BOAT_A	Access to boat with motor	HC10_AF	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
INSECTICIDE TREATED NETS						
MOSQNET	Has mosquito nets	TN1	TN1	√		
LLNET	Number of long lasting treated nets	-	TN2A			
TNET	Number of treated nets	TN2A	TN2B		√	The two variables have different categories.
UNET	Number of untreated nets	TN2B	TN2C		√	
OTNET	Number of other/unknown nets	TN2C	TN2D		√	
TNETUSD	Number of treated nets used	TN3A	-			
UNETUSD	Number of untreated nets used	TN3B	-			
OTNETUSD	Number of other nets used	TN3C	-			
CHNET	Number of children under 5 sleep under a treated net	TN4	-			
PNET	Place of acquiring the most recent mosquito net	TN5	-			
MNTNET	Number of months since recently acquired a treated mosquito net	-	TN6			
SNET	Sleeping under the mosquito net last night	-	TN11			
SALT IODIZATION						
SALT	Testing cooking salt contain iodine	SI1	SI1	√		
PSALT	Place of acquiring the salt	SI2	SI2	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
II INDIVIDUALS' MODULE						
FILE IDENTIFICATION AND INFORMATION						
PNUM	Individual identifier	HL1 ED1	HL1 ED1			The individual identifier variable relates to each year
DEMOGRAPHICS						
REL	Relationship to the head	HL3	HL3		√	The two variables have different categories.
SEX	Gender	HL4	HL4	√		
AGE	Age	HL5	HL6	√		
MART	Marital status	HL5_X	HL6A	√		
FNUM	Line number of females (15-49) years	HL6	HL7	√		
MNUM	Line number of male (15-49) years	-	HL7A			
CHNUM	Line number of mother/caretaker for children under 5 years	HL8	HL9	√		
STYLN	Staying in the house last night	-	HL10			
MALIV	Mother is alive	HL9	HL11		√	The two variables have different universe. In 2006, data is collected for individuals younger than 18 years, while in 2010, it is collected for all individuals in household.
MONUM	Mother's line number in household	HL10	HL12		√	
FALIV	Father is alive	HL11	HL13		√	
FANUM	Father's line number in HH	HL12	HL14		√	
CURRENT LABOR STATUS						
EMPS	Employment status	HL12_X	HL15		√	The two variables have different universe. In 2006, data is collected for individuals older than 10 years, while in 2010, it is collected for individuals aged 15 years or older.
EDUCATION						
CHNUM_2_9	Line number of child (2-9) years	-	HL15A			
LIT	Literacy status	ED2_X	ED0	√		
EVERATTD	Ever attended school	ED2	ED3		√	The two variables have different categories.
EDUC	Highest level of education attended	ED3A	ED4A	√		
GRADE	Highest grade completed at that level	ED3B	ED4B	√		
ATTSCH	School attendance status during current school year	ED4	ED5	√		
EDUC_CR	Level of education attended at current school year	ED6A	ED6A	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
GRADE_CR	Grade of education attended at current school year	ED6B	ED6B	√		
ATTSCH_PR	School attendance status during previous school year	ED7	ED7	√		
EDUC_PR	Level of education attended during previous school year	ED8A	ED8A	√		
GRADE_PR	Grade of education attended during previous school year	ED8B	ED8B	√		
<u>DISABILITY</u>						
DISABL	Disability status	-	DA1			
TDISABL_X variables (9 Missing, 1 Yes)	X=1 Type of disability: Difficulty in seeing	-	DA2A			
	X=2 Type of disability: Blindness	-	DA2B			
	X=3 Type of disability: Difficulty in hearing	-	DA2C			
	X=4 Type of disability: Deafness	-	DA2D			
	X=5 Type of disability: Difficulty in speaking	-	DA2E			
	X=6 Type of disability: Mute/Dumb	-	DA2F			
	X=7 Type of disability: Physical disability	-	DA2G			
	X=8 Type of disability: Mental retardation	-	DA2H			
	X=9 Type of disability: Epilepsy	-	DA2I			
	X=10 Type of disability: Others	-	DA2Z			
<u>FEMALE GENITAL MUTILATION/CUTTING</u>						
CRFNUM	Line number of female answered the genital mutilation/cutting module	FM1	FGMC0	√		
CRCM	Circumcision status	FM3	FGMC1	√		
CRCM_BY	Circumcision processed by ...	FM4	FGMC2	√		
<u>INSECTICIDE TREATED NETS</u>						
MOSQNET	Has mosquito nets	-	TN1			
LLNET	Number of long lasting treated nets	-	TN2A			
TNET	Number of treated nets	-	TN2B			
UNET	Number of untreated nets	-	TN2C			
OTNET	Number of other/unknown nets	-	TN2D			
MNTNET	Number of months since recently acquired a treated mosquito net	-	TN6			
SNET	Sleeping under the mosquito net last night	-	TN11			
TMOSQNET	Type of mosquito net	-	TN12			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
III WOMEN's MODULE						
FILE IDENTIFICATION AND INFORMATION						
FNUM	Line number of females (15-49) years	WM4 LN	WM3 LN	√		
RWINTRV	Result of women's interview	WM7	WM7		√	The two variables have different categories.
DEMOGRAPHICS						
FMBIR	Woman's month of birth	WM8M	-			
FYBIR	Woman's year of birth	WM8Y	-			
FAGE	Age of woman	WM9	WB2	√		
EDUCATION						
FEVERATTD	Ever attended school	WM10	WB3	√		
FEDUC	Highest level of education attended	WM11	WB4		√	The two variables have different categories.
FGRADE	Highest grade completed at that level	WM12	WB5	√		
FLIT	Literacy status	WM14	WB7	√		
MARRIAGE AND UNION						
FMART	Marital status	MA1	MA1 MA5 MA6	√	√	In 2010, the 3 variables MA1, MA5 & MA6 should be merged to match with the variable MA1 in 2006.
FUN_M	Month of first union	MA6M	-			
FUN_Y	Year of first union	MA6Y	-			
AGEFUN	Age at first union	MA8	MA9	√		
KINSH	Having kinship with spouse	MA3	-			
MLTSPS	Having other spouses or partners	MA10A	MA3		√	The two variables have different categories.
MLTSPS_N	Number of other spouses or partners	MA10B	MA4	√		
REPRODUCTION AND CHILD SURVIVAL						
BIRTH	Ever given birth	CM1	CM1	√		
YBIRTH	Years since first birth	-	CM3			
SDRESH	Sons or daughters resident at home	CM3	CM4	√		
SRESH_N	Number of sons resident at home	CM4A	CM5A	√		
DRESH_N	Number of daughters resident at home	CM4B	CM5B	√		
SDRESW	Sons or daughters resident elsewhere	CM5	CM6	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
SRESW_N	Number of sons resident elsewhere	CM6A	CM7A	✓		
DRESW_N	Number of daughters resident elsewhere	CM6B	CM7B	✓		
CHDEAD	Ever had child who later died	CM7	CM8	✓		
BDEAD_N	Number of boys children are dead	CM8A	CM9A	✓		
GDEAD_N	Number of girls children are dead	CM8B	CM9B	✓		
CHBORN_N	Total number of children ever born	CM9	CM10	✓		
CHBORN	Any live births?	CM10_X	-			
LBIRTH_D	Day of last birth	-	CM12D			
LBIRTH_M	Month of last birth	-	CM12M			
LBIRTH_Y	Year of last birth	-	CM12Y			
LBIRTH_2Y	Last birth have been occurred in last two years	-	CM13			
MATERNAL AND NEWBORN HEALTH						
PREGDSR	Desire of being pregnant for the last birth within last 2 years	-	DB1			
CHDSR	Desiring of having more children later on or not	-	DB2			
TIMDSR_U	Desired waiting time (units)	-	DB3U			
TIMDSR_N	Desired waiting time (number)	-	DB3N			
PRGNT	Have been pregnant during the last 2 years	MN1_X	MN00		✓	The two variables have different categories.
PRGNT_N	Number of pregnancies during the last 2 years	MN2_X	MN01		✓	
PRGNT_LB	Number of pregnancies ended by live birth	MN3_X2	MN02A		✓	
PRGNT_SB	Number of pregnancies ended by child still birth	MN3_X3	MN02B		✓	
PRGNT_MS	Number of pregnancies ended by miscarriage	MN3_X4	MN02C		✓	
PRGNT_OUT	Outcome of last completed pregnancy	MN3_XA	-			
ANTCAR	Receiving antenatal care during last completed pregnancy	-	MN1			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
ANTCAR_X variables (9 Missing, 1 Yes)	X=1 Antenatal care: Doctor	MN2A	MN2A	✓		
	X=2 Antenatal care: Nurse / Midwife	MN2B	MN2B	✓		
	X=3 Antenatal care: Health Visitor	-	MN2C			
	X=4 Antenatal care: Midwife	MN2C	MN2D	✓		
	X=5 Antenatal care: Traditional birth attendant	MN2D	MN2E	✓		
	X=6 Antenatal care: Community health worker	MN2E	MN2F	✓		
	X=7 Antenatal care: Relative/Friend	MN2F	MN2G	✓		
	X=8 Antenatal care: Other	MN2X	MN2X	✓		
	X=9 Antenatal care: No one	MN2Y	-			
FRCHPR_M	First check on this pregnancy at month ...	MN5_X	-			
ANTCH_N	Number of antenatal checks during this pregnancy	MN6_X	MN3	✓		
BLODPR	Measuring blood pressure during this pregnancy	MN3A	MN4A	✓		
URINSM	Giving a urine sample during this pregnancy	MN3B	MN4B	✓		
BLODSM	Giving a blood sample during this pregnancy	MN3C	MN4C	✓		
MODE_PR	During antenatal visits, discussed the mode of delivery (Normal/CS)	MN8_X1	MN4DA	✓		
PLACE_PR	During antenatal visits, discussed place of delivery	MN8_X2	MN4DB	✓		
IRON_PR	Taking iron supplement during pregnancy	MN10_X	MN4E	✓		
IMNCARD	Has immunization card	TT1	MN5		✓	The two variables have different universe. In 2006, it is collected for all women, while in 2010, it covers all women who have been completed pregnancy, in last 2 years. The two variables (TT3 & MN7) have different categories.
TTINJC	Receiving any tetanus toxoid injection	TT2	MN6		✓	
TTINJC_N	Doses of tetanus toxoid	TT3	MN7		✓	
TTINJC_BPR	Receiving any tetanus toxoid injection before last pregnancy	-	MN9			
TTINJC_NBPR	Doses of tetanus toxoid before last pregnancy	-	MN10			
TTINJC_YBPR	Years ago from last tetanus toxoid received before last pregnancy	-	MN11			
MALMED	Taking medicine in order to prevent malaria during pregnancy	-	MN13			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MALMED_X variables (9 Missing, 1 Yes)	X=1 Medicines taken to prevent malaria: SP/Fansidar	-	MN14A			
	X=2 Medicines taken to prevent malaria: Chloroquine	-	MN14B			
	X=3 Medicines taken to prevent malaria: Other	-	MN14X			
	X=4 Medicines taken to prevent malaria: DK	-	MN14Z			
MALMED_N	Number of times that have been taking SP/Fansidar during pregnancy	-	MN16			
SYMPT_X variables (9 Missing, 1 Yes)	X=1 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: High fever	-	MN16AA			
	X=2 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Severe headache/Blurred Vision	-	MN16AB			
	X=3 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: High blood pressure	-	MN16AC			
	X=4 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Convulsions/Fainting	-	MN16AD			
	X=5 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Vaginal bleeding	-	MN16AE			
	X=6 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Decreased or no fetal movements	-	MN16AF			
	X=7 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Green or brown fluid leaking from vagina	-	MN16AG			
	X=8 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Foul smelling discharge from the vagina	-	MN16AH			
	X=9 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Breathing difficulty	-	MN16AI			
	X=10 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Severe lower abdominal pain/ back pain	-	MN16AJ			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
	X=11 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Lower limb pain/redness	-	MN16AK			
	X=12 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Don't Know	-	MN16AZ			
	X=13 Symptoms if happened during pregnancy, childbirth/postpartum period, women should seek health care: Other	-	MN16AX			
BLEED_PR	Experienced excessive vaginal bleeding during this pregnancy	MN11_X1	MN23CAP	√		
HTN_PR	Experienced hypertension during this pregnancy	MN11_X2	MN23CBP	√		
EDEMA_PR	Experienced face or body swelling during this pregnancy	MN11_X3	-			
HADACH_PR	Experienced severe headache during this pregnancy	MN11_X4	-			
FEVER_PR	Experienced very high fever during this pregnancy	MN11_X5	MN23CDP	√		
ABDOMNP_PR	Experienced abdominal pain during this pregnancy	MN11_X6	-			
ABDBCKP_PR	Experienced lower abdominal/back pain during this pregnancy	-	MN23CFP			
CONVLN_PR	Experienced convulsions during this pregnancy	MN11_X7	MN23CCP	√		
URINP_PR	Experienced urinary pain during this pregnancy	MN11_X8	MN23CEP	√		
JANDC_PR	Experienced jaundice during this pregnancy	MN11_X9	MN23CHP	√		
PLACE_CH	The place where gave birth to last child	MN8	MN18		√	
MODE_CH	The mode of delivery of last child	MN14_X	MN19	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
SYMPTNB_X variables (9 Missing, 1 Yes)	X=1 Symptoms that alert a mother to seek health care for her newborn: High Fever	-	MN19AA			
	X=2 Symptoms that alert a mother to seek health care for her newborn: Convulsions	-	MN19AB			
	X=3 Symptoms that alert a mother to seek health care for her newborn: Jaundice (Yellowing of skin)	-	MN19AC			
	X=4 Symptoms that alert a mother to seek health care for her newborn: Very sleepy	-	MN19AD			
	X=5 Symptoms that alert a mother to seek health care for her newborn: Not suckling	-	MN19AE			
	X=6 Symptoms that alert a mother to seek health care for her newborn: White spots in mouth or tongue	-	MN19AF			
	X=7 Symptoms that alert a mother to seek health care for her newborn: Vomiting/spitting/shooting out a lot	-	MN19AG			
	X=8 Symptoms that alert a mother to seek health care for her newborn: Diarrhea	-	MN19AH			
	X=9 Symptoms that alert a mother to seek health care for her newborn: Less than 6 wet diapers/day	-	MN19AI			
	X=10 Symptoms that alert a mother to seek health care for her newborn: Skin rash	-	MN19AK			
	X=11 Symptoms that alert a mother to seek health care for her newborn: Don't Know	-	MN19AZ			
	X=12 Symptoms that alert a mother to seek health care for her newborn: Other	-	MN19AX			
MNSTPRD	Menstrual period returned since the birth of child	-	MN23			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
PSNTCHK_X variables (9 Missing, 1 Yes)	X=1 In first 6 weeks after the last delivery, received a postnatal check up by: Doctor	MN16_X1	MN23AA	√		
	X=2 In first 6 weeks after the last delivery, received a postnatal check up by: Nurse midwife	MN16_X2	MN23AC	√		
	X=3 In first 6 weeks after the last delivery, received a postnatal check up by: Midwife	MN16_X3	-			
	X=4 In first 6 weeks after the last delivery, received a postnatal check up by: Health visitor	-	MN23AB			
	X=5 In first 6 weeks after the last delivery, received a postnatal check up by: Village midwife	-	MN23AD			
	X=6 In first 6 weeks after the last delivery, received a postnatal check up by: Medical assistant	-	MN23AE			
	X=7 In first 6 weeks after the last delivery, received a postnatal check up by: Traditional birth attendant	MN16_X4	MN23AF	√		
	X=8 In first 6 weeks after the last delivery, received a postnatal check up by: Community health worker	MN16_X5	MN23AG	√		
	X=9 In first 6 weeks after the last delivery, received a postnatal check up by: Relative/friend	MN16_X6	-			
	X=10 In first 6 weeks after the last delivery, received a postnatal check up by: Other	MN16_X7	MN23AX	√		
	X=11 In first 6 weeks after the last delivery, received a postnatal check up by: No one	MN16_X8	MN23AY	√		
PSNTCHK_R	Main reason for not receiving a postnatal check up	MN17_X	-			
VITA	In first 6 weeks after the last delivery, received Vitamin A	MN1	MN23B	√		
PROLNG_L	Experienced prolonged labor lasting more than 12 hours of last completed pregnancy	MN15_X1	MN23CI	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
FEVER_L	Experienced very high fever during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN15_X2	MN23CDL	√		
CONVLN_L	Experienced convulsions during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN15_X3	MN23CCL	√		
BLEED_L	Experienced excessive vaginal bleeding during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN15_X4 MN18_X1	MN23CAL	√		
EDEMA_L	Experienced swelling pain and redness in legs during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X2	MN23CJ	√		
FSVDIS_L	Experienced foul smelling vaginal discharge during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X3	MN23CGL	√		
ABDOMNP_L	Experienced abdominal pain during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X4	-			
LBACKP_L	Experienced lower back pain during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X5	-			
UBACKP_L	Experienced upper back pain during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X6	-			
ABDOMNP_L	Experienced lower Abdominal/ Back pain during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	-	MN23CFL			
URINP_L	Experienced urinary pain during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X7	MN23CEL	√		
SWLNP_L	Experienced swollen painful breast during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X8	MN23CK	√		
DRIBURN_L	Experienced dribbling of urine during labor, soon after delivery, or within 6 weeks after delivery of last completed pregnancy	MN18_X9	MN23CL	√		
MCMISCRG	Received medical care after miscarriage	MN19_X	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
CONTRACEPTION						
CONTRCP	Ever heard about contraceptive methods	-	CP00			
KNCONTR_X variables (9 Missing, 1 Yes)	X=1 Knowledge about contraceptive methods: Male condom	CP1_W1	CP01A	√		
	X=2 Knowledge about contraceptive methods: Female condom	CP1_W2	CP01B	√		
	X=3 Knowledge about contraceptive methods: Spermicide	CP1_W3	CP01C	√		
	X=4 Knowledge about contraceptive methods: IUD	CP1_W4	CP01D	√		
	X=5 Knowledge about contraceptive methods: Oral hormonal contraceptives (pills)	CP1_W5	CP01E	√		
	X=6 Knowledge about contraceptive methods: Hormonal injections	CP1_W7	CP01F	√		
	X=7 Knowledge about contraceptive methods: Hormonal implants	CP1_W6	CP01G	√		
	X=8 Knowledge about contraceptive methods: Emergency contraception	CP1_W8	CP01H	√		
	X=9 Knowledge about contraceptive methods: Lactation amenorrhea method	CP1_W9	CP01I	√		
	X=10 Knowledge about contraceptive methods: Withdrawal	CP1_W10	CP01J	√		
	X=11 Knowledge about contraceptive methods: Calendar method	CP1_W11	CP01K	√		
	X=12 Knowledge about contraceptive methods: Periodic abstinence	CP1_W12	CP01L	√		
	X=13 Knowledge about contraceptive methods: Douching	CP1_W13	CP01M	√		
	X=14 Knowledge about contraceptive methods: Female sterilization	CP1_W14	CP01N	√		
	X=15 Knowledge about contraceptive methods: Male sterilization	CP1_W15	CP01O	√		
	X=16 Knowledge about contraceptive methods: Other methods	CP1_W16	CP01X	√		
	X=17 Knowledge about contraceptive methods: Don't know	CP1_W17	CP01Z	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
CONDOM_H	Ever heard about male condom	-	CP02			
CONDOM_P	Knowing a place to get a condom	-	CP03			
CONDOM_Y	Ability to get a condom by yourself	-	CP04			
CONTRCP_U	Ever used any contraceptive methods	CP1_X	CP06	√		
PRGNT_CR	Currently pregnant	-	CP1			
CONTRCP_CR	Currently using a contraceptive method	CP2	CP2		√	The two variables have different categories.
CONTRCP_X variables (9 Missing, 1 Yes)	X=1 Contraceptive methods currently using: Female sterilization	CP3A	CP3A	√		
	X=2 Contraceptive methods currently using: Male sterilization	CP3B	CP3B	√		
	X=3 Contraceptive methods currently using: Pill	CP3C	CP3F	√		
	X=4 Contraceptive methods currently using: IUD	CP3D	CP3C	√		
	X=5 Contraceptive methods currently using: Injections	CP3E	CP3D	√		
	X=6 Contraceptive methods currently using: Implants	CP3F	CP3E	√		
	X=7 Contraceptive methods currently using: Condom	CP3G	CP3G	√		
	X=8 Contraceptive methods currently using: Female condom	CP3H	CP3H	√		
	X=9 Contraceptive methods currently using: Diaphragm	CP3I	CP3I	√		
	X=10 Contraceptive methods currently using: Foam/jelly	CP3J	CP3J	√		
	X=11 Contraceptive methods currently using: Lactation amenorrhea method	CP3K	CP3K	√		
	X=12 Contraceptive methods currently using: Periodic abstinence	CP3L	CP3L	√		
	X=13 Contraceptive methods currently using: Withdrawal	CP3M	CP3M	√		
	X=14 Contraceptive methods currently using: Other, DK	CP3X_Z	-			
	X=15 Contraceptive methods currently using: Other	CP3X	CP3X	√		
	X=16 Contraceptive methods currently using: Don't know	CP3Z_X	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
CONTRCP_P	The place where you obtained the current contraceptive method the last time	CP6_X	-			
NOCONTRCP_X variables (9 Missing, 1 Yes)	X=1 Reasons for not using contraceptive methods: Want to have more children	CP7_X1	-			
	X=2 Reasons for not using contraceptive methods: Religious beliefs against	CP7_X2	-			
	X=3 Reasons for not using contraceptive methods: Woman does not agree	CP7_X3	-			
	X=4 Reasons for not using contraceptive methods: Man does not agree	CP7_X4	-			
	X=5 Reasons for not using contraceptive methods: Relative do not agree	CP7_X5	-			
	X=6 Reasons for not using contraceptive methods: Afraid of side effects	CP7_X6	-			
	X=7 Reasons for not using contraceptive methods: Not aware of methods	CP7_X7	-			
	X=8 Reasons for not using contraceptive methods: Difficulty in finding methods	CP7_X8	-			
	X=9 Reasons for not using contraceptive methods: High cost	CP7_X9	-			
	X=10 Reasons for not using contraceptive methods: Difficult to use	CP7_X10	-			
	X=11 Reasons for not using contraceptive methods: Menopause/Infertility	CP7_X11	-			
	X=12 Reasons for not using contraceptive methods: Husband/partner not present	CP7_X12	-			
	X=13 Reasons for not using contraceptive methods: Other	CP7_X13	-			
	X=14 Reasons for not using contraceptive methods: Don't know	CP7_X14	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
UNMET NEED						
PRGDS_CR	Currently pregnant: the desire of being pregnant when	CP3_X	UN2		√	The two variables have different categories.
PRGNTDS_CR	Currently pregnant and didn't want to be pregnant: wanted baby later or did not want more children	-	UN3			
DSRACH_CR	Currently pregnant: the desire of having another child in the future	-	UN4			
PREGDSR_NCR	Not pregnant: the desire of being pregnant	CP4_X	UN6		√	The two variables have different categories.
DSRWT_U	Not pregnant: the desired waiting time (unit)	-	UN7U			
DSRWT_N	Not pregnant: the desired waiting time (number)	-	UN7N			
PHABLPR	Not pregnant: physical ability to get pregnant	-	UN10			
NOTPHPR_X variables (9 Missing, 1 Yes)	X=1 Reasons for not being physically able to get pregnant: Infrequent sex / No sex	-	UN11A			
	X=2 Reasons for not being physically able to get pregnant: Menopausal	-	UN11B			
	X=3 Reasons for not being physically able to get pregnant: Never menstruated	-	UN11C			
	X=4 Reasons for not being physically able to get pregnant: Hysterectomy	-	UN11D			
	X=5 Reasons for not being physically able to get pregnant: Trying to get pregnant for 2 years without result	-	UN11E			
	X=6 Reasons for not being physically able to get pregnant: Postpartum amenorrhea	-	UN11F			
	X=7 Reasons for not being physically able to get pregnant: Breastfeeding	-	UN11G			
	X=8 Reasons for not being physically able to get pregnant: Too old	-	UN11H			
	X=9 Reasons for not being physically able to get pregnant: Fatalistic	-	UN11I			
	X=10 Reasons for not being physically able to get pregnant: Other	-	UN11X			
	X=11 Reasons for not being physically able to get pregnant: Don't know	-	UN11Z			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MNSTPRD_U	Start of last menstrual period (unit)	-	UN13U			
MNSTPRD_N	Start of last menstrual period (number)	-	UN13N			
FEMALE GENITAL MUTILATION/CUTTING						
CIRC	Circumcision should be continued or discontinued	FC1	FG17		√	The two variables have different categories.
CIRCD	Intention to circumcise your daughters	FC2	FG00	√		
HIV/ AIDS						
HIV	Ever heard of HIV or AIDS	HA1	HA1		√	The two variables have different categories.
HIVIN_X variables (9 Missing, 1 Yes)	X=1 Individual could be infected by HIV through: Sexual intercourse	HA2_X1	-			
	X=2 Individual could be infected by HIV through: Not using condom	HA2_X2	-			
	X=3 Individual could be infected by HIV through: Blood transfusion	HA2_X3	-			
	X=4 Individual could be infected by HIV through: injection with needle already used by someone	HA7A	-			
	X=5 Individual could be infected by HIV through: mosquito bites	HA5	HA5		√	The two variables have different categories.
	X=6 Individual could be infected by HIV through: supernatural means/ witchcraft	HA3	HA3		√	
	X=7 Individual could be infected by HIV through: sharing food with person with HIV virus	HA7	HA6		√	
	X=8 Individual could be infected by HIV through: other means	HA2_X4	-			
	X=9 Don't know how HIV is transmitted	HA2_X5	-			
HIVAV	Avoiding infected by HIV	HA3_X	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
HIVAV_X variables (9 Missing, 1 Yes)	X=1 Ways to avoid HIV by: having one uninfected partner	HA2	HA2		√	The two variables have different categories.
	X=2 Ways to avoid HIV by: not having sex at all	HA6	-			
	X=3 Ways to avoid HIV by: using a condom correctly every time	HA4	HA4		√	The two variables have different categories.
	X=4 Ways to avoid HIV by: avoiding blood transfusion	HA3_X1	-			
	X=5 Ways to avoid HIV by: avoiding injections	HA3_X2	-			
	X=6 Ways to avoid HIV by: other means of avoidance	HA3_X3	-			
	X=7 Don't know how to avoid HIV	HA3_X4	-			
HLPHIV	Healthy-looking person may have HIV	HA8	HA7	√		
HIVCH_PR	HIV can be transmitted from mother to her child: during pregnancy	HA9A	HA8A	√		
HIVCH_DL	HIV can be transmitted from mother to her child: during delivery	HA9B	HA8B	√		
HIVCH_BR	HIV can be transmitted from mother to her child: by breastfeeding	HA9C	HA8C	√		
HIV_FTCH	Allowing to female teacher infected with HIV to teach in school	-	HA9			
HIV_SHKPR	Buying fresh vegetables from shopkeeper infected with HIV	-	HA10			
HIV_KS	If a household member became infected with HIV, you keep that a secret	-	HA11			
HIV_CM	Willing to care for a household member infected with HIV in your household	-	HA12			
HIV_AC	Received information/counselling or made discussions about HIV/AIDS during antenatal visits	MN4	HA15	√		
THIV_AC	Tested for HIV during antenatal care	-	HA16			
RHIV_AC	Received results of HIV test during antenatal care	-	HA17			
CHIV_AC	Received consultation after HIV test during antenatal care	-	HA18			
THIV_DL	Tested for HIV during delivery	-	HA20			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
RHIV_DL	Received results of HIV test during delivery	-	HA21			
HIV_PR	Tested for HIV during pregnancy	-	HA22			
HIV_TPR	Last time you were tested for HIV	-	HA23			
HIV_TS	Ever been tested for HIV (for those who never received antenatal care)	-	HA24			
HIV_TT	Last time you were tested for HIV (for those who never received antenatal care and ever tested)	-	HA25			
RHIV	Received results of HIV test (for those who never received antenatal care and ever tested)	-	HA26			
HIV_P	Knowing a place where people get tested for HIV	-	HA27			
DMVLNC_OUT	Attitudes toward domestic violence: going out without telling husband	-	DV1A			
DMVLNC_CH	Attitudes toward domestic violence: neglecting the children	-	DV1B			
DMVLNC_ARH	Attitudes toward domestic violence: arguing with husband	-	DV1C			
DMVLNC_SH	Attitudes toward domestic violence: refusing sex with husband	-	DV1D			
DMVLNC_FD	Attitudes toward domestic violence: burning the food	-	DV1E			
ABGNDIS	Having an abnormal genital discharge during the last 12 months	-	STI2			
GNSOR	Having a genital sore or ulcer during the last 12 months	-	STI3			
ADVTR	Seeking any kind of advice or treatment for the genital sore or abnormal genital discharge	-	STI5			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
IV CHILDREN's MODULE						
FILE IDENTIFICATION AND INFORMATION						
CHNUM	Child's line number	ln uf4	LN UF4	√		
MCNUM	Mother / Caretaker's line number	uf6	UF6	√		
RCINTRV	Result of interview for children under 5	uf9	UF9	√		
DEMOGRAPHICS						
CHDBIR	Child's day of birth	uf10d	AG1D	√		
CHMBIR	Child's month of birth	uf10m	AG1M	√		
CHYBIR	Child's year of birth	uf10y	AG1Y	√		
CHAGE_Y	Child age in years	-	AG2Y			
CHAGE_M	Child age in months	uf11	AG2M	√		
BIRTH REGISTRATION						
BIRCRTF	Birth certificate	br1	BR1	√		
BIRGSTR	Birth registered	-	BR2			
KNBIRGSTR	Know how to register child's birth	-	BR3			
NBIRCRTF_R	Reason for not having a birth certificate for the child	br3	BR4	√		
VITAMIN A						
CHVITA	Child ever received vitamin A	VA1	IM18	√		
CHVITA_M	Month when child last took Vitamin A dose	VA2	IM18A	√		
CHVITA_P	Place where child got last Vitamin A dose	VA3	IM18B	√		
EARLY CHILDHOOD DEVELOPMENT						
CHEDPR	Attends early childhood education program	-	EC5			
CHEDPR_D	Within last week of school year 2009-2010, Number of days attend	-	EC6			
CARE OF ILLNESS						
DIARH	Child had diarrhea in last 2 weeks	CA1	CA1	√		
DIARH_ORs	Drank fluid from ORS packet	CA2A	CA4A	√		
DIARH_HM	Recommended homemade fluid	CA2B	CA4B	√		
ADVTR_DR	Seeking advice or treatment for illness (diarrhea)	-	CA1A			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
SADVTD_X variables (99 Missing, 1 Yes)	X=1 Seeking advice or treatment for diarrhea from: Government hospital	-	CA1BA			
	X=2 Seeking advice or treatment for diarrhea from: Government health center	-	CA1BB			
	X=3 Seeking advice or treatment for diarrhea from: Government health unit	-	CA1BC			
	X=4 Seeking advice or treatment for diarrhea from: Village health worker	-	CA1BD			
	X=5 Seeking advice or treatment for diarrhea from: Mobile/outreach clinic	-	CA1BE			
	X=6 Seeking advice or treatment for diarrhea from: Other public sector	-	CA1BF			
	X=7 Seeking advice or treatment for diarrhea from: Private hospital	-	CA1BG			
	X=8 Seeking advice or treatment for diarrhea from: Private physician	-	CA1BH			
	X=9 Seeking advice or treatment for diarrhea from: Private pharmacy	-	CA1BI			
	X=10 Seeking advice or treatment for diarrhea from: Private mobile clinic	-	CA1BJ			
	X=11 Seeking advice or treatment for diarrhea from: Other private sector	-	CA1BK			
	X=12 Seeking advice or treatment for diarrhea from: Religious healer	-	CA1BL			
	X=13 Seeking advice or treatment for diarrhea from: Traditional healer	-	CA1BM			
	X=14 Seeking advice or treatment for diarrhea from: Relative or friend	-	CA1BN			
	X=15 Seeking advice or treatment for diarrhea from: Other	-	CA1BX			
DRNK	Drinking liquids less or more than usual during illness	CA3	CA2		✓	The two variables have different categories. In 2006, the questionnaire mentioned the illness in general, while in 2010, it specified the diarrhea.
EAT	Eating foods less or more than usual during illness	CA4	CA3		✓	

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
ORS_X variables (99 Missing, 1 Yes)	X=1 Get ORS from: Government hospital	-	CA4CA			
	X=2 Get ORS from: Government health center	-	CA4CB			
	X=3 Get ORS from: Government health unit	-	CA4CC			
	X=4 Get ORS from: Community health worker	-	CA4CD			
	X=5 Get ORS from: Mobile/outreach clinic	-	CA4CE			
	X=6 Get ORS from: Other public sector	-	CA4CF			
	X=7 Get ORS from: Private hospital	-	CA4CG			
	X=8 Get ORS from: Private physician	-	CA4CH			
	X=9 Get ORS from: Private pharmacy	-	CA4CI			
	X=10 Get ORS from: Private mobile clinic	-	CA4CJ			
	X=11 Get ORS from: Other private sector	-	CA4CK			
	X=12 Get ORS from: Relative or friend	-	CA4CN			
	X=13 Get ORS from: Other	-	CA4CX			
OTDIARH	Anything else given to treat diarrhea	-	CA5			
OTDIARH_X variables (99 Missing, 1 Yes)	X=1 Other treatment for diarrhea: (pill or syrup) Antibiotic	-	CA6A			
	X=2 Other treatment for diarrhea: (pill or syrup) Antimotility	-	CA6B			
	X=3 Other treatment for diarrhea: (pill or syrup) Zinc	-	CA6C			
	X=4 Other treatment for diarrhea: (pill or syrup) Other (not antibiotic, antimotility or zinc)	-	CA6G			
	X=5 Other treatment for diarrhea: (pill or syrup) Unknown	-	CA6H			
	X=6 Other treatment for diarrhea: (injection) Antibiotic	-	CA6L			
	X=7 Other treatment for diarrhea: (injection) Non-antibiotic	-	CA6M			
	X=8 Other treatment for diarrhea: (injection) Unknown	-	CA6N			
	X=9 Other treatment for diarrhea: Intravenous	-	CA6O			
	X=10 Other treatment for diarrhea: Home remedy/Herbal medicine	-	CA6Q			
	X=11 Other treatment for diarrhea: Other	-	CA6X			
COUGH	Child ill with cough in last 2 weeks	CA5	CA7	√		
COUGH_DB	Difficulty breathing during illness with cough	CA6	CA8	√		
ADVTR_CO	Seeking advice or treatment for illness (cough)	CA8	CA10	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
SADVTRC_X variables (99 Missing, 1 Yes)	X=1 Seeking advice or treatment for cough from: Government hospital	CA9A	CA11A	✓		
	X=2 Seeking advice or treatment for cough from: Government health center	CA9B	CA11B	✓		
	X=3 Seeking advice or treatment for cough from: Government health unit	CA9C	CA11C	✓		
	X=4 Seeking advice or treatment for cough from: Village health worker	CA9D	CA11D	✓		
	X=5 Seeking advice or treatment for cough from: Mobile/outreach clinic	CA9E	CA11E	✓		
	X=6 Seeking advice or treatment for cough from: Other public sector	CA9H	CA11F	✓		
	X=7 Seeking advice or treatment for cough from: Private hospital	CA9I	CA11G	✓		
	X=8 Seeking advice or treatment for cough from: Private physician	CA9J	CA11H	✓		
	X=9 Seeking advice or treatment for cough from: Private pharmacy	CA9K	CA11I	✓		
	X=10 Seeking advice or treatment for cough from: Private mobile clinic	CA9L	CA11J	✓		
	X=11 Seeking advice or treatment for cough from: Other private sector	CA9O	CA11K	✓		
	X=12 Seeking advice or treatment for cough from: Religious healer	CA8_X1	CA11L	✓		
	X=13 Seeking advice or treatment for cough from: Witch doctor	CA8_X2	-			
	X=14 Seeking advice or treatment for cough from: Traditional healer	CA9R	CA11M	✓		
	X=15 Seeking advice or treatment for cough from: Relative or friend	CA9P	CA11N	✓		
	X=16 Seeking advice or treatment for cough from: Other	CA9X	CA11X	✓		
MEDCO	Taking medicine to treat cough	-	CA12			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MEDCO_X variables (99 Missing, 1 Yes)	X=1 Medicine taken to treat cough: Antibiotic pill / syrup	-	CA13A			
	X=2 Medicine taken to treat cough: Antibiotic injection	-	CA13B			
	X=3 Medicine taken to treat cough: Anti-malarial	-	CA13M			
	X=4 Medicine taken to treat cough: Paracetamol / Panadol / Acetaminophen	-	CA13P			
	X=5 Medicine taken to treat cough: Aspirin	-	CA13Q			
	X=6 Medicine taken to treat cough: Ibuprofen	-	CA13R			
	X=7 Medicine taken to treat cough: Other	-	CA13X			
	X=8 Medicine taken to treat cough: DK	-	CA13Z			
SYMPTCH_X Dummy variables (99 Missing, 1 Yes)	X=1 Symptom if happened to child, mother should take him/her urgently to a health facility: Child unable to drink or breastfeed	CA14A	CA13AA	√		
	X=2 Symptom if happened to child, mother should take him/her urgently to a health facility: Child becomes sicker	CA14B	CA13AB	√		
	X=3 Symptom if happened to child, mother should take him/her urgently to a health facility: Child develops a fever	CA14C	CA13AC	√		
	X=4 Symptom if happened to child, mother should take him/her urgently to a health facility: Child has faster breathing	CA14D	CA13AD	√		
	X=5 Symptom if happened to child, mother should take him/her urgently to a health facility: Child has difficulty breathing	CA14E	CA13AE	√		
	X=6 Symptom if happened to child, mother should take him/her urgently to a health facility: Child has blood in stool	CA14F	CA13AF	√		
	X=7 Symptom if happened to child, mother should take him/her urgently to a health facility: Child is drinking poorly	CA14G	CA13AG	√		
	X=8 Symptom if happened to child, mother should take him/her urgently to a health facility: Convulsions	-	CA13AH			
	X=9 Symptom if happened to child, mother should take him/her urgently to a health facility: Drowsiness	-	CA13AI			
	X=10 Symptom if happened to child, mother should take him/her urgently to a health facility: Other	CA14X	CA13AX	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
DISTOL	How to dispose the stools of child	-	CA15			
<u>MALARIA</u>						
MALRIA	Child ill with fever or malaria in last 2 weeks	ML1	ML1	√		
BLDTST	Blood taken for testing during illness	-	ML2			
HLTHF_M	Child was taken to health facility during illness (malaria)	ML2	ML4	√		
MEDCMA	Child took medicine prescribed at health facility	ML3	ML5	√		
MEDMA_X variables (99 Missing, 1 Yes)	X=1 Medicine was given or prescribed at health facility: SP/Fansidar tablet	ML4A	ML6A	√		
	X=2 Medicine was given or prescribed at health facility: Chloroquine tablet	ML4B	ML6B	√		
	X=3 Medicine was given or prescribed at health facility: Chloroquine injection	ML4C_X	ML6C	√		
	X=4 Medicine was given or prescribed at health facility: Chloroquine syrup	ML4C_Y	ML6D	√		
	X=5 Medicine was given or prescribed at health facility: Amodiaquine tablet	ML4C	ML6E	√		
	X=6 Medicine was given or prescribed at health facility: Amodiaquine injection	ML4E_X	ML6F	√		
	X=7 Medicine was given or prescribed at health facility: Metacalfin tablet	ML4F_X	ML6G	√		
	X=8 Medicine was given or prescribed at health facility: Quinine pills	ML4G_X	ML6H	√		
	X=9 Medicine was given or prescribed at health facility: Quinine drip	ML4D	ML6I	√		
	X=10 Medicine was given or prescribed at health facility: Artemisinin-based combinations	ML4E	ML6J	√		
	X=11 Medicine was given or prescribed at health facility: Paracetamol/Panadol/Acetaminophen	ML4P	ML6P	√		
	X=12 Medicine was given or prescribed at health facility: Aspirin	ML4Q	ML6Q	√		
	X=13 Medicine was given or prescribed at health facility: Ibuprofen	ML4R	ML6R	√		
	X=14 Medicine was given or prescribed at health facility: Other	ML4X	ML6X	√		
	X=15 Medicine was given or prescribed at health facility: DK	ML4Z	ML6Z	√		
MEDPLC	The place where medicine was obtained	ML5_X	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MEDPLC_X variables (99 Missing, 1 Yes)	X=1 Place where medicine was obtained: Government hospital	-	ML6AA			
	X=2 Place where medicine was obtained: Government health center	-	ML6AB			
	X=3 Place where medicine was obtained: Government health unit	-	ML6AC			
	X=4 Place where medicine was obtained: Village health worker	-	ML6AD			
	X=5 Place where medicine was obtained: Mobile/outreach Clinic	-	ML6AE			
	X=6 Place where medicine was obtained: Other public sector	-	ML6AF			
	X=7 Place where medicine was obtained: Private hospital	-	ML6AG			
	X=8 Place where medicine was obtained: Private physician	-	ML6AH			
	X=9 Place where medicine was obtained: Private pharmacy	-	ML6AI			
	X=10 Place where medicine was obtained: Private mobile clinic	-	ML6AJ			
	X=11 Place where medicine was obtained: Other private sector	-	ML6AK			
	X=12 Place where medicine was obtained: Religious healer	-	ML6AL			
	X=13 Place where medicine was obtained: Traditional healer	-	ML6AM			
	X=14 Place where medicine was obtained: Relative or friend	-	ML6AN			
	X=15 Place where medicine was obtained: Other	-	ML6AX			
MEDCMA_BV	Child was given medicine for fever or malaria before visiting health facility	ML5	ML7			
MEDCMA_DI	Child was given medicine for fever or malaria during illness (for those who didn't visit health facility)	ML6	ML8			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MEDMNHF_X variables (99 Missing, 1 Yes)	X=1 Medicine given (for those who didn't visit health facility or before being taken there): SP/Fansidar tablet	ML7A	ML9A			
	X=2 Medicine given (for those who didn't visit health facility or before being taken there): Chloroquine tablet	ML7B	ML9B			
	X=3 Medicine given (for those who didn't visit health facility or before being taken there): Chloroquine injection	ML7C_X	ML9C			
	X=4 Medicine given (for those who didn't visit health facility or before being taken there): Chloroquine Syrup	-	ML9D			
	X=5 Medicine given (for those who didn't visit health facility or before being taken there): Amodiaquine Tablets	ML7C	ML9E			
	X=6 Medicine given (for those who didn't visit health facility or before being taken there): Amodiaquine Injection	ML7E_X	ML9F			
	X=7 Medicine given (for those who didn't visit health facility or before being taken there): Metacalfin Tablets	ML7F_X	ML9G			
	X=8 Medicine given (for those who didn't visit health facility or before being taken there): Quinine drip	ML7D	-			
	X=9 Medicine given (for those who didn't visit health facility or before being taken there): Quinine pills	ML7G_X	ML9H			
	X=10 Medicine given (for those who didn't visit health facility or before being taken there): Quinine injection	-	ML9I			
	X=11 Medicine given (for those who didn't visit health facility or before being taken there): Combination with artemisinin	ML7E	ML9J			
	X=12 Medicine given (for those who didn't visit health facility or before being taken there): Paracetamol / Panadol / Acetaminophen	ML7P	ML9P			
	X=13 Medicine given (for those who didn't visit health facility or before being taken there): Aspirin	ML7Q	ML9Q			
	X=14 Medicine given (for those who didn't visit health facility or before being taken there): Ibuprofen	ML7R	ML9R			
	X=15 Medicine given (for those who didn't visit health facility or before being taken there): Other	ML7X	ML9X			
	X=16 Medicine given (for those who didn't visit health facility or before being taken there): DK	ML7Z	ML9Z			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
MEDMAF	Child started by taking anti-malarial first after fever	-	ML11			
MEDMAF_1	Child started by taking SP/Fansidar first after fever	ML9A_X	-			
MEDMAF_2	Child started by taking Chloroquine tablet first after fever	ML9B_X	-			
MEDMAF_3	Child started by taking Chloroquine injection first after fever	ML9C_X	-			
MEDMAF_4	Child started by taking Chloroquine syrup first after fever	ML9C_Y	-			
MEDMAF_5	Child started by taking Amodiaquine tablet first after fever	ML9D_X	-			
MEDMAF_6	Child started by taking Amodiaquine injection first after fever	ML9E_X	-			
MEDMAF_7	Child started by taking Metacalfin tablet first after fever	ML9F_X	-			
MEDMAF_8	Child started by taking Quinine pills first after fever	ML9G_X	-			
MEDMAF_9	Child started by taking Quinine drip first after fever	ML9I_X	-			
MEDMAF_10	Child started by taking Artemisinin-based combinations first after fever	ML9J_X	-			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
BREASTFEEDING						
CHBRFD	Child has ever been breastfed	BF1	BF1	√		
CHBRFDF_H	First time child was breastfed after birth: Hours	BF2A_X1	BF1A	√		
CHBRFDF_D	First time child was breastfed after birth: Days	BF2A_X2	BF1A	√		
OTHRLF	Child received any other liquids or solids besides breastmilk in the first 6 months	BF3_X	BF1B	√		
CHSBRFD	Child is still being breastfed	BF2	BF2	√		
BRFDS_M	Age at which breastfeeding stopped (in months)	BF5_X	BF2A	√		
STRTF	Started to have food beside breastfeeding	BF6_X	BF2B	√		
STRTF_M	Age at which additional food started (in months)	BF7_X	BF2C	√		
RCVIT	Child received vitamin, mineral supplements or medicine yesterday	BF3A	BF10	√		
RCVWTR	Child received plain water yesterday	BF3B	BF3	√		
RCVJUC	Child received sweetened water or juice yesterday	BF3C	BF8	√		
RCVORS	Child received oral rehydration solution yesterday	BF3D	BF11	√		
RCVINP	Child received infant formula yesterday	BF3E	BF4	√		
TINFORM	Number of times child drank infant formula	-	BF5			
RCVMLK	Child received milk yesterday	BF3F	BF6	√		
TMLK	Number of times child drank milk	-	BF7			
RCVOTLQ	Child received other liquids yesterday	BF3G	BF12	√		
RCVSOLD	Child received solid or semi-solid food yesterday	BF3H	BF16	√		
TSOLD	Number of times child ate solid or semi-solid food	BF5	BF17		√	
SOUP	Child drank soup yesterday	-	BF9			
YOGRT	Child drank or ate yogurt yesterday	-	BF13			
TYOGRT	Number of times drank or ate yogurt	-	BF14			
PORDG	Child ate thin porridge yesterday	-	BF15			
DRNKOT	Child drank anything else from the bottle with a nipple yesterday	-	BF18			

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
<u>IMMUNIZATION</u>						
VACCARD	Child has a vaccination card	IM1	IM1	√		
BCGIM_D	Day of BCG immunization	IM2D	IM300D	√		
BCGIM_M	Month of BCG immunization	IM2M	IM3BM	√		
BCGIM_Y	Year of BCG immunization	IM2Y	IM3BY	√		
OPV0IM_D	Day of OPV0 immunization	IM3AD	IM301D	√		
OPV0IM_M	Month of OPV0 immunization	IM3AM	IM301M	√		
OPV0IM_Y	Year of OPV0 immunization	IM3AY	IM301Y	√		
OPV1IM_D	Day of OPV1 immunization	IM3BD	IM301AD	√		
OPV1IM_M	Month of OPV1 immunization	IM3BM	IM301AM	√		
OPV1IM_Y	Year of OPV1 immunization	IM3BY	IM301AY	√		
OPV2IM_D	Day of OPV2 immunization	IM3CD	IM301BD	√		
OPV2IM_M	Month of OPV2 immunization	IM3CM	IM301BM	√		
OPV2IM_Y	Year of OPV2 immunization	IM3CY	IM301BY	√		
OPV3IM_D	Day of OPV3 immunization	IM3DD	IM301CD	√		
OPV3IM_M	Month of OPV3 immunization	IM3DM	IM301CM	√		
OPV3IM_Y	Year of OPV3 immunization	IM3DY	IM301CY	√		
DPT1IM_D	Day of DPT1 immunization	IM4AD	IM302D	√		
DPT1IM_M	Month of DPT1 immunization	IM4AM	IM302M	√		
DPT1IM_Y	Year of DPT1 immunization	IM4AY	IM302Y	√		
DPT2IM_D	Day of DPT2 immunization	IM4BD	IM302AD	√		
DPT2IM_M	Month of DPT2 immunization	IM4BM	IM302AM	√		
DPT2IM_Y	Year of DPT2 immunization	IM4BY	IM302AY	√		
DPT3IM_D	Day of DPT3 immunization	IM4CD	IM302BD	√		
DPT3IM_M	Month of DPT3 immunization	IM4CM	IM302BM	√		
DPT3IM_Y	Year of DPT3 immunization	IM4CY	IM302BY	√		
MMRIM_D	Day measles or MMR immunization	IM6D	IM303D	√		
MMRIM_M	Month Measles or MMR immunization	IM6M	IM303M	√		
MMRIM_Y	Year of Measles or MMR immunization	IM6Y	IM303Y	√		

Variable Name	Variable Label	Source Variable		Fully Harmonized	Partially Harmonized	Comments
		2006	2010			
CHVAC	Child has ever received any vaccinations (for those who has no vaccination card or card was not checked)	IM10	IM6	✓		
CHBCG	Child has ever been given BCG (for those who has no vaccination card or card was not checked)	IM11	IM7	✓		
SCAR	Tuberculosis has caused a scar	-	IM7A			
CHPOL	Child has ever been given Polio (for those who has no vaccination card or card was not checked)	IM12	IM8	✓		
CHAGPOL	Age of child at first dose of polio	IM13	IM9	✓		
TCHPOL	Number of times child was given polio	IM14	IM10	✓		
CHDPT	Child has ever been given DPT (for those who has no vaccination card or card was not checked)	IM15	IM12A	✓		
TCHDPT	Number of times child was given DPT	IM16	IM12B	✓		
CHMMR	Child has ever been given Measles or MMR (for those who has no vaccination card or card was not checked)	IM17	IM16	✓		
CHDSEN	Child is suffering from any difficulties in seeing at night	-	IM18C			
ANTHROPOMETRY						
RSMSR	Result of measurement	an4	AN2	✓		
MLYST	Measuring child lying down or standing	an2a	AN4A	✓		
CHWGHT	Child's weight (kilograms)	an1	AN3		✓	
CHIGHT	Child's length or height (Cm)	an2	AN4	✓		
ODEMA	Child has oedema	an5_x	AN5	✓		