

## Rural codebook of variables

Variable name	Variable label	Value labels for categorical variables	Missing values	Notes (general and on how data were collected)
ROUND	Round number	90 Feb-Mar 2005 91 Apr-May 2005 92 Jun-Jul 2005 93 Aug-Sep 2005 94 Oct-Nov 2005 95 Dec 2005-Jan 2006	None	The NSP conducts six 'rounds' of data collection each year to capture information on the six seasons in Bangladesh. Each round is given a unique number. In 2005, the rounds were numbered 90-95.
DIVISION	Division	1 Barisal 2 Chittagong (other than CHT) 3 Dhaka 4 Khulna 5 Rajshahi 6 Sylhet 7 Chittagong (Chittagong Hill Tracts)	None	This variable identifies the division where the data were collected.
UPAZILA	Upazila	5 Sreepur 6 Jamalpur Sadar 7 Serajdikhan 8 Atpara 9 Nabinagar 10 Hathazari 11 Chauddagram 12 Cox's Bazar 13 Naogaon Sadar 14 Kaunia 15 Shahjadpur 16 Pirgonj 17 Fakirhat 18 Kaligonj 19 Gangni 20 Debhata 21 Patharghata 22 Lalmohan 23 Rajapur 24 Patuakhali Sadar 25 Habiganj Sadar 26 Sreemangal 27 Jamalganj 28 Fenchuganj 70 Lama 71 Matiranga 72 Bilaichhari 73 Longdhu	None	This variable identifies the upazila (sub-district) where the data were collected.
MAUZA	Mauza code	[exact code]	None	This variable identifies the mauza where the data were collected.
HHNO	Household number	[exact code]	None	The households randomly sampled within each slum are numbered consecutively.

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DOV	Date of interview visit	[exact date]	None	This variable identifies the date of visit to the household.
CID	Child's identification number	1 Oldest child 2 Second oldest child 3 Third oldest child 4 Fourth oldest child	None	Anthropometric measurements and information are obtained from all children aged less than 5 years belonging to one mother in the household. The children are given an identification number from 1 to 4, where 1 is the oldest child.
DOB	Child's date of birth	[exact value]	None	This variable identifies the date of birth of the child. It is determined by asking the mother (or father) of the child. If the date is unknown, it is estimated to the nearest day using a Bangla, the Gregorian or a religious calendar and a list of notable events during the last five years.
CAGE	Child's age (months)	[exact value]	99.9	The age of the child is determined by asking the mother or father for the child's date of birth and then calculated with the date of visit to the household.
CAGE_CAT	Child's age groups (months)	1 0-5 months 2 6-11 months 3 12-23 months 4 24-35 months 5 36-47 months 6 48-59 months	None	The CAGE variable is recoded into commonly used age groups.
CSEX	Child's sex	1 Male 2 Female	9	This variable identifies the sex of the child.
CHAZ	Child's height for age Z-score	[exact value]	99.99	Taking the height, age (Height for Age) and sex of the child into account, this variable provides the calculated Z-score (standard deviations of the median of the NCHS reference population).
CWAZ	Child's weight for age Z-score	[exact value]	99.99	Taking the weight, age (Weight for Age) and sex of the child into account, this variable provides the calculated Z-score (standard deviations of the median of the NCHS reference population).
CWHZ	Child's weight for height Z-score	[exact value]	99.99	Taking the weight, height (Weight for Height) and sex of the child into account, this variable provides the calculated Z-score (standard deviations of the median of the NCHS reference population).
CHAZ_CAT	Child's stunting (<-2 SD HFA Z-score)	1 < -2 SD HFA 2 >= -2 SD HFA	None	This variable categorizes those children being stunted and those not.
CWAZ_CAT	Child's underweight (<-2 SD WFA Z-score)	1 < -2 SD WFA 2 >= -2 SD WFA	None	This variable categorizes those children being underweight and those not.
CWHZ_CAT	Child's wasting (<-2 SD WFH Z-score)	1 < -2 SD WFH 2 >= -2 SD WFH	None	This variable categorizes those children being wasted and those not.
CMUAC	Child's Mid Upper Arm Circumference (mm)	[exact value]	999	An insertion tape is used to measure the mid-upper-arm circumference (MUAC) of the child to the nearest 1 mm.
CNBL	Child's night blindness (18-59m)	0 No 1 Yes 7 Don't know 8 N/A (child<18 months)	7, 8, 9	The mother is asked whether her child has <i>rat kana</i> (night blindness) or whether he/she has difficulty seeing and therefore moving around when there is insufficient light, for example, at dusk. They verify that this is due to night blindness and not to any other sight defect that could also affect sight when there is insufficient light.
CVID	Child's visual impairment during the day (18-59m)	0 No 1 Yes 7 Don't know 8 N/A (not night blind or child <18 months)	7, 8, 9	If the child is night blind, the mother is asked whether her child has any difficulty seeing during the day.

Variable name	Variable label	Value labels for categorical variables	Missing values	Notes (general and on how data were collected)
VAC6M	Child received vitamin A capsule in the last 6 months (round 90-92: child 12-59m, round 93-95: 6-59m)	0 VAC not received 1 Rd 90-92: VAC from NID/VA+ Camp, rd 93-95: VAC from VA+ Camp 2 VAC from other source 7 Don't know 8 N/A (Rd 90-92: child 0-11m, Rd 93-95: child 0-5m)	7, 8, 9	The NSP monitors vitamin A capsule (VAC) coverage during the last 6 months by source. The mother is asked whether her child received a VAC during the last 6 months and from which source h/she received it.
AGEMINJ	Age at measles injection (child 12-23 months)	0 Not received 1 6-11 months 2 12-23 months 7 Don't know 8 N/A (child 0-11m, child 24-59m)	7, 8, 9	The mother is asked how old the child was when it received the measles injection.
VAMINJ	Received vitamin A with measles injection (child 12-23 months)	0 Not received 1 Yes, with measles injection 7 Don't know 8 N/A (didn't receive measles inj./ child 0-11m, child 24-59m)	7, 8, 9	The mother is asked whether the child received vitamin A when he/she was given the measles immunization.
CDIAR	Child's diarrhea in the last 24 hours (mother's perception)	0 No 1 Yes	9	This variable provides the mother's perception of diarrhea of her child. She is asked whether her child had symptoms of diarrhea in the previous 24 hours.
CSTOOL	Child's number of stools in the last 24 hours	[exact value]	99	The mother is asked how many stools her child had in the last 24 hours.
CDIARHEA	Child's diarrhea in the last 24 hours	0 No 1 Yes	9	This is a calculated variable that takes into account the mother's perception of her child having diarrhea and the number of stools the child had in the last 24 hours ( $\geq 3$ ).
CBFED	Child's current breastfeeding status	0 Not currently breastfed 1 Currently breastfed	9	The mother is asked whether her child is currently breastfed.
FDRINK	Foods/drinks given to infant	0 None 1 Water, rice water, fruit juice/sugar water 2 Animal/powder milk 3 Gruel 4 Family food 5 Other	9	The mother is asked what kind of foods/ drinks the child has apart from breast milk. Data collectors start asking with the highest priority food (family food).
COLOST	Fed colostrum to newborn (child 0-11m)	0 Not fed to newborn 1 Fed to newborn 7 Don't know 8 N/A (child 12-59 months)	8, 9	The mother of children less than 12 months is asked whether the child received colostrum, the yellowish first breast milk in the first few days after delivery.
ANYLDF	Any liquid/drink/food ever given to infant (child 0-11m)	0 Never given any liquid/ drink/food (excl. prelacteal/ medicine) 1 Yes 8 N/A (child 12-59 months)	8, 9	The mother of children less than 12 months is asked whether the child has ever been given any liquid, drink (including water) or food other than breast milk, prelacteal feeds or medicine. Data collectors specifically ask about water.
MAGE	Maternal age	[exact value]	99	The mother is asked about her age. If she does not know her age, it is estimated to the nearest year by using a list of notable events that occurred in the past five decades.

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MWT	Maternal weight (kg)	[exact value]	99.9	The mother is weighed on an electronic scale to the nearest 0.1 kg.
MHT	Maternal height (cm)	[exact value]	999.9	The standing height of the mother is measured to the nearest 1 mm using a constructed height/length board.
MBMI_CAT	Maternal BMI (kg/m*m) - categories	1 Obese: BMI >=40 2 Grade 2 overweight: BMI 30.0-39.99 3 Grade 1 overweight: 25.0-29.99 4 Normal weight: BMI 18.5-24.99 5 Grade 1 CED: BMI 17.0-18.49 6 Grade 2 CED: BMI 16.0-16.99 7 Grade 3 CED: BMI <16	9	The weight and height of the mother is used to calculate the Body Mass Index (BMI, kg/m <sup>2</sup> ). This variable indicates commonly used categories of the BMI.
MMUAC	Maternal Mid Upper Arm Circumference (mm)	[exact value]	999	An insertion tape is used to measure the mid-upper-arm circumference (MUAC) of the mother to the nearest 1 mm.
MNBL	Maternal night blindness	0 No 1 Yes	9	The NSP data collectors ask the mother whether she has <i>rat kana</i> (night blindness) or whether she has difficulty seeing and therefore moving around when there is insufficient light, for example, at dusk. They verify that this is due to night blindness and not to any other sight defect that could also affect sight when there is insufficient light.
MVID	Maternal visual impairment during the day	0 No 1 Yes 8 N/A (not night blind)	8, 9	If the mother is night blind, she is asked whether she has any difficulty seeing during the day.
MDIAR	Maternal diarrhea in the last 24 hours (mother's perception)	0 No 1 Yes	9	This variable provides the mother's perception of diarrhea of herself. She is asked whether she had symptoms of diarrhea in the previous 24 hours
MSTOOL	Mother's number of stools in the last 24 hours	[exact value]	99	The mother is asked how many stools she had in the last 24 hours.
MDIARHEA	Maternal diarrhea in the last 24 hours	0 No 1 Yes	9	This is a calculated variable that takes into account the mother's perception of her having diarrhea and the number of stools she had in the last 24 hours (≥ 3).
MCBFED	Mother currently lactating	0 Not currently lactating 1 Currently lactating	9	The mother is asked whether she is currently breastfeeding a child.
MPREG	Maternal pregnancy status (months of pregnancy)	0 Not pregnant 77 Don't know/ not sure	77, 99	The mother is asked whether she is currently pregnant. If yes, she is asked to estimate the duration of her pregnancy in months. If she does not know whether she is pregnant, the response is coded 77.
PREG3YR	Pregnancy in the last 3 years (excluding current pregnancy)	0 No 1 Yes	9	The mother is asked whether she has had a pregnancy in the last 3 years, excluding her current pregnancy.
PREG89M	Last pregnancy lasting for 8-9 months	0 No 1 Yes 7 Don't know 8 N/A (Not pregnant in last 3 years)	7, 8, 9	The mother is asked whether her pregnancy in the last 3 years lasted at least 8 months. If she was not pregnant in the last 3 years (excluding a current pregnancy) data collectors record 8.

Variable name	Variable label	Value labels for categorical variables	Missing values	Notes (general and on how data were collected)
MVACAD	Mother received vitamin A capsule after her last delivery	0 No 1 VAC within 6 weeks delivery 7 Don't know/can't remember 8 N/A (didn't complete 6 wks/ not preg. in last 3 yrs/ pregnancy <8m)	7, 8, 9	The mother is asked whether she received a VAC within 6 weeks of delivery. Data collectors record 8 for mothers who have not yet completed the 6 weeks period at the time of interview regardless of VAC reception.
FS	Family size	[exact value]	99	The total number of household members is recorded. A household is defined as the group of people who live together and take food from the same cooking pot. Household members living elsewhere but staying at the house at least one night in 3 months are included. Non-family members who have lived with the household members for at least 6 months are included.
SHH	Sex of household head	1 Male 2 Female	9	The mother is asked for the name and sex of the person who makes the major household decisions. These decisions relate to the management of household resources including money, labor and food.
MATEDU	Maternal education (completed years)	0 No education 66 Functional education	99	The number of years of schooling completed in an educational institute by the mother of the child is recorded. A separate code is used if the mother was educated in a non-formal institute (functional education).
PATEDU	Paternal education (completed years)	0 No education 66 Functional education 77 Don't know 88 N/A (Father not alive/ divorced/ separated)	77, 88, 99	The number of years of schooling completed in an educational institute by the father of the child is recorded. A separate code is used if the father was educated in a non-formal institute (functional education), if the mother does not know about the years of paternal education or if the child's father is not alive/ divorced or living separated.
LENTH	Length of main living house (ft)	[exact value]	99	The data collectors measures and records the length of the main living house in feet.
WIDTH	Width of main living house (ft)	[exact value]	99	The data collectors measures and records the width of the main living house in feet.
HAREA	Area of main living house (sq ft)	[calculated value]	None	This is the calculated area variable derived from the length and width of the main living house. Those cases that have missing values for variable LENTH or WIDTH, have system missing values for HAREA.
HG	Type of home gardening practiced by household in the last 12 months	0 No home garden 1 Traditional garden 2 Improved garden 3 Developed garden	9	The mother is asked various questions to determine what type of home garden the household had during the last 12 months. Traditional gardens are characterized as growing vegetables seasonally in scattered plots; improved gardens are defined as growing vegetables throughout the year in both scattered and fixed plots, and developed gardens are defined as growing vegetables in fixed plots throughout the year.
OCLOWN	Amount of cultivable land (decimals) that the household owns	0 No land	9999	The mother is asked for the amount (decimals) of cultivable land that the household legally owns. Owned land only includes land that the household has the right to transfer.
FLAND	Amount of family land (decimals) that the household has access to	0 No land	9999	The mother is asked for the amount (decimals) of cultivable land that the household has access to and is due to inherit but does not own yet, that is, the household head does not have the papers for the land and cannot transfer it.

Variable name	Variable label	Value labels for categorical variables	Missing values	Notes (general and on how data were collected)
OCUMAIN	Occupation of main household earner	1 Farmer 2 Share cropper 3 Agriculture day laborer 4 Agriculture contract laborer 5 Skilled laborer 6 Unskilled laborer 7 Rickshaw/cart/van puller/ baby taxi driver/boatman 8 Household help 9 Fisherman 10 Professional 11 Salaried worker 12 Businessman 13 Petty businessman 14 Unemployed 15 Housewife 16 Retired 17 Jum farmer 18 Others	99	The respondent is asked for the primary income source of the main household earner in the last two months. The main household earner is the person who provides the majority of the household income.
FOODLOAN	Amount of money (BDT) for food loan taken by household in the last month	0 No loan for food [exact value]	9999	The mother is asked about the amount of money that the household took as a loan for food in the last month.
PD	Usual place of defecation of household	1 Closed latrine 2 Open latrine 3 River/pond side 4 Bush/open field 5 Drain/canal 6 Dustbin 7 Other	9	The respondent is asked where household members usually defecate.
SDW	Source of drinking water	1 Pond/river/canal water 2 Rain water 3 Open ring well 4 Closed ring well 5 Tap 6 Hand pump 7 Shallow tube well 8 Deep tube well 9 Spring water	99	The respondent is asked from where the household obtains drinking water.

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HHDAL7D	# days in last week that household consumed dal (lentils)	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate <i>dal</i> (lentils).
HHGLV7D	# days in last week that household consumed green leafy vegetables	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate green leafy vegetables.
HHYFV7D	# days in last week that household consumed yellow orange fruits & vegetables	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate yellow/orange fruits or vegetables.
HHEGG7D	# days in last week that household consumed eggs	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate eggs.
HHFISH7D	# days in last week that household consumed fish	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate fish.
HHCHI7D	# days in last week that household consumed poultry	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate poultry.
HHMEA7D	# days in last week that household consumed other meat (excl poultry & fish)	[exact value]	9	The mother is asked to recall on how many days in the last 7 days the household members ate other meat (excluding poultry and fish).
DWEIGHT	Divisional weight variable	[weight value]	None	This is a divisional weight variable that accounts for different population numbers among the Divisions. When analyzing overall (rural Bangladesh) data, the data should be weighed using this variable. The values are based on dwelling household numbers derived from the 1991 Census by the Bangladesh Bureau of Statistics, which is the most current and complete Census data available.