

PROGOTIR PATHEY



*Progress Towards
the Achievement of
the Goals for the 100*



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the Achievement of
the Goals for the 1990's



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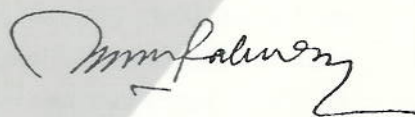
C O N T E N T S



This report, titled "PROGOTIR PATHEY", meaning "Road To Progress", is a sequel to "PROGOTI" which is the National Programme of Action (NPA) for achieving in Bangladesh the Child Survival and Development Goals for 1990's. The NPA was launched by the Honourable Prime Minister in June 1992. The present edition, prepared in close collaboration between UNICEF and BBS, captures for the first time, conditions of the disadvantaged section – the women and children of Bangladesh – in statistical terms. It also serves as a benchmark from where to chart the path to progress in achieving both Mid-Decade (end 1995) and Summit Goals (2000 AD).

The report provides information at two levels, national and sub-national levels. A number of indicators relating to child and maternal mortality, population and age structure, birth and death rate, age at marriage and others have been presented at the national level. The primary sources for the data of these indicators are several surveys conducted by BBS such as SRS, HDS, HES and CNS. Also, data regarding CPS are taken from surveys conducted by Mitra and Associates. At sub-national level, 16 essential indicators by district disintegration have been presented. Data for these sub-national district indicators have been obtained through rapid survey system carried out collaboratively by UNICEF, UN Statistics Division (UNSTAT) and Institute of Statistical Research and Training (ISRT) of Dhaka University. The rapid survey technique, which is a modification of the globally accepted "EPI Cluster Technique", can be integrated into BBS survey programmes for providing a more comprehensive composite picture of current status of women and children both at national and sub-national levels on a regular basis.

This new publication is a first step towards collaborative effort between BBS and UNICEF in institutionalizing, within the Bureau, a permanent and sustainable national mechanism to monitor Mid-Decade and Summit Goals in systematic manner. I would like to thank Mr. S. Y. Khanmajlish, Joint Chief, Statistics Division and his team members who have worked hard in collaboration with UNICEF to bring out this useful publication.



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Statistics Division & Director General

Bangladesh Bureau of Statistics

Ministry of Planning

Government of the People's Republic of Bangladesh

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In 1990, the leaders of the world agreed on an agenda for children and women in the 1990s. The World Summit Declaration, as it is called, identified 27 goals to be achieved for the well being of women and children of the world. The Summit also asked all countries to prepare a National Programme of Action for the implementation of programmes to achieve the identified goals.

By July 1993, 90% of the world's children were living in countries with their NPAs finalized: 83 countries had completed their programmes and were beginning to implement them.

In 1992, South Asian Association for Regional Cooperation (SAARC) adopted a resolution (Colombo and Dhaka) to achieve some of the World Summit Goals by 1995. It also agreed to accelerate the process and establish some mid-decade goals for 1995.

Bangladesh is a signatory to the World Summit, the Colombo Resolution and the SAARC Summit Declaration from Dhaka. In June 1992, the Honorable Prime Minister of Bangladesh, launched the National Programme of Action (called PROGOTI - meaning progress) for achieving the goals of the 1990s. Progotir Pathey (the path to progress) is the first attempt to document the progress towards the achievement of these goals.

Monitoring the National Programme of Action

Article 35, of the World Summit Declaration states that all relevant UN agencies, with special emphasis on UNICEF as the world's lead agency for children, would assist and advocate national governments in establishing an appropriate mechanism for timely collection, analysis and publication of data to monitor the relevant social indicators related to the Summit and the Mid-decade goals.

In the recent past, the major source of information on women and children was available from the various surveys conducted by the Bangladesh Bureau of Statistics (BBS). The surveys generated data which reflected the situation of women and children on some of the identified indicators at national and divisional levels. Information at district level was virtually absent. In order to achieve the goals on Child Survival and Development it is essential that information regarding the condition of women and children be available at a sub-national level (i.e., district level), so that realistic sub-national plans can be developed and monitored at regular intervals of time.

A recent collaborative effort of UNICEF, UN Statistics Division and Institute of Statistical Research and Training, Dhaka University resulted in the development of a statistically sound sampling design, which in a short interval of time could generate data from District level cost effectively. This Rapid Assessment Survey technique was carried out in 61 among 64 Districts of Bangladesh in May and June 1993 (3 districts in the Chittagong Hill Tracts are still being surveyed). In an attempt to institutionalize this methodology within the BBS a Technical Assistance Proposal between BBS and UNICEF is currently under preparation which would allow BBS to coordinate the survey on an annual basis and thus supplement the national information that are being generated through its regular surveys. Information on Child Survival and Development indicators would thus be available at national level from the existing BBS surveys and at sub-national level (district) from the Rapid Assessment Technique — a composite and holistic profile would thus emerge on the condition of women and children of Bangladesh.

Profile of Bangladesh

Bangladesh has a small land mass of 57,393 square miles or 148,393 square kilometers and with a population of 111.4 million has one of the largest population density in the world-over 8000 persons per 1000 hectares. Bangladesh is essentially a flat alluvial plain crisscrossed by seven major rivers and over two-hundred minor ones.

Bangladesh remains a poor country with a per capita GNP of US \$ 210 and a GDP annual growth rate of 4.1% despite devastation of war at its birth and regular buffet by natural disasters. In 1983/84, 66% of the urban population and 57% of the rural population were below poverty line (daily caloric intake less than 2122 k. cal/day/person). The figures have however, declined since then. By 1988/89, 44% of the urban population and 48% of the rural population consumed less than 2122 Kcal/day/person. However, the proportion of children who were normally nourished — 5.5% in 1985/86 and 6.1% in 1989/90 — has remained virtually unchanged over time. Food grain production in the country was 9 million metric tons in 1960 which increased to 19.3 million metric tons in 1992 and has thus reached self sufficiency in terms of food grain production.

The democratic government has taken a number of measures to stimulate the economy which results in reduction of fiscal deficit from 7.8% to 5.2% (as a proportion of GDP), inflation from 9.3% to 1.3% over last 2-3 years. The Government is also financing more of its own development expenditure; until recently the Annual Development Plan was entirely financed from aid, now the Government contributes around 25%.

Labour force of the country stands at 50.2 million; of which 65% are in agriculture, 16% in industry, 19% in services which leave approximately 1.2% of the population as unemployed.

According to 1991 Census 25% of Bangladeshis of all ages were literate. Ninety-five percent of children 5-9 years old attended primary school, approximately 10% more children attended primary school in 1991 than 1989, however pupil teacher ratio was high with an average sixty four primary school students per teacher in 1991. The completion rates for primary education stands at 30% - which has remained virtually unchanged over the decade.

Life expectancy in Bangladesh is 56 years for males and 54 years for females. The infant and under five mortality has shown a slight downward trend over the years. The successful implementation of the EPI programme in recent years along with increasing awareness and use of ORT has increased child survival to a large extent. However, morbidity and mortality rates are still unacceptably high and much needs to be done in the area of health and nutrition if the goals for the 1990s are to be met.

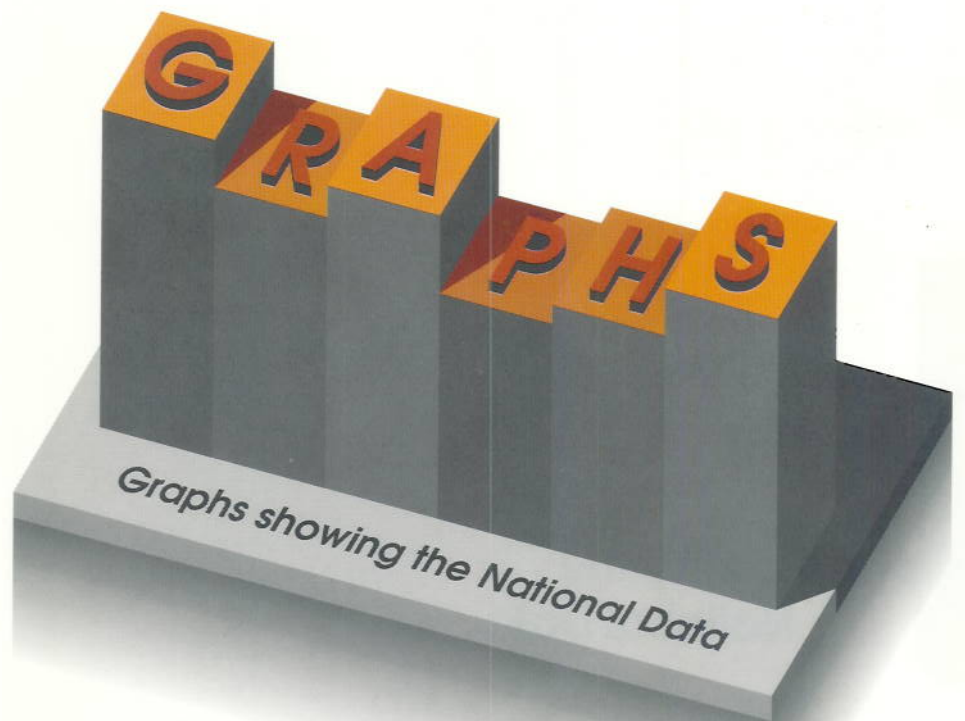
GOALS AND ACHIEVEMENTS

YEAR 2000 GOAL	MID-DECADE GOAL 1995	GOALS INDICATORS	STATUS (%)		TARGET (%)	
			1990	1992/3	1995	2000
Maintenance of high level of immunization coverage (at least 90% of children under 1 year of age by the year 2000) against diphtheria, pertussis, tetanus, measles, poliomyelitis, tuberculosis and against tetanus for women of child-bearing age.	Elevation of immunization coverage of the EPI to 80% or more	Proportion of 1 year old children immunized against diphtheria, pertussis and tetanus.	62	63	80	90
		Proportion of 1 year old children immunized against measles.	54	59	80	90
		Proportion of 1 year old children immunized against polio.	62	63	80	90
		Proportion of 1 year old children immunized against tuberculosis.	86	92	80	90
		Proportion of 1 year old children immunized against tetanus.	74	80	80	90
		Annual number of cases of neonatal tetanus.	NA	NA	0	0
Elimination of neonatal tetanus by 1995	Elimination of neonatal tetanus.	Proportion of pregnant women immunized against tetanus.	74	80	80	80
		Proportion of children protected against neonatal tetanus through immunization of their mother.	70	75	75	75
		proportion of births adopting clean birth practices.	NA	NA	-	-
		Annual number of under-five deaths due to measles. ²	45000 ⁴	NA	75% reduction	85% reduction
Reduction by 95% in measles death and reduction by 90% of measles cases compared to pre-immunization levels by 1995, as a major step to the global eradication of measles in the longer run.	Reduction of measles mortality by 95% and measles morbidity by 90% compared to pre-immunization levels.	Annual number of cases of polio. ²	1000 ⁴	NA	0	0
		Annual incidence of poliomyelitis per 1000 under-five children. ³	NA	0.15	0	0
Global eradication of poliomyelitis by the year 2000.	Elimination of poliomyelitis.	Annual number of cases of polio. ²	1000 ⁴	NA	0	0
		Annual incidence of poliomyelitis per 1000 under-five children. ³	NA	0.15	0	0

YEAR 2000 GOAL	MID-DECADE GOAL 1995	GOALS INDICATORS	STATUS (%)		TARGET (%)	
			1990	1992/3	1995	2000
Virtual elimination of vitamin A deficiency, and its consequences including blindness.	Virtual elimination of vitamin A deficiency.	Percentage of target age group receiving vitamin A high dose supplement.	60	60	70	80
Virtual elimination of iodine deficiency disorders.	Universal iodization of salt.	Proportion of salt manufactured/imported which is adequately iodized.	5	20	100	100
Reduction by 50% in deaths due to diarrhoea in children under the age of 5 years and 25% reduction in the diarrhoea incidence rate.	Achievement of 80% of usage of ORT and 50% current case management by health providers as part of the programme to control diarrhoeal diseases.	Proportion of all cases of diarrhoea in under-fives who seek care outside home and are treated with ORS.	NA	NA	50	75
		Proportion of all cases of diarrhoea in under-five treated with ORT (increased fluids and feeding).	24	52	60	80
Empowerment of all women to breast-feed their children exclusively for four to six months and to continue breastfeeding, with complementary food, well into the second year.	Making all hospitals and maternities "baby-friendly" by ending free and low-cost supplies of infant formula and breastmilk substitutes and following the ten steps recommended by UNICEF and WHO.	Proportion of infants less than 4 months of age who are exclusively breastfeed.	NA	37	-	-
		Proportion of children 20-30 months of age who are breastfeed.	NA	87	-	-
Between 1990 and the year 2000, reduction of severe and moderate malnutrition among under-five children by half.	Reduction of 1990 levels of severe and moderate malnutrition by one-fifth (20%) or more.	Proportion of under-fives who fall below minus 2 standard deviations from median weight for age of NCHS/WHO reference population.	66	64	-	33
		Proportion of under-five who fall below minus 3 standard deviations from median weight for age of NCHS/WHO reference population.	26	25	-	13
		Proportion of under-five who fall below minus 2 standard deviations from median weight for height of NCHS reference population.	15	17	-	-

YEAR 2000 GOAL	MID-DECADE GOAL 1995	GOALS INDICATORS	STATUS (%)		TARGET (%)	
			1990	1992/3	1995	2000
Universal access to basic education, and achievement of primary education by at least 80 per cent of primary school age children through formal schooling or non-formal education of comparable learning standard, with emphasis on reducing the current disparities between boys and girls.	Strengthen basic education by increasing	Proportion of under-five who fall bellow minus 3 standard deviations from median weight for height of NCHS reference population.	2	2	-	-
		Proportion of under-five who fall bellow minus 2 standard deviations from median height for age of NCHS reference population.	65	64	-	-
		Proportion of under-five who fall bellow minus 3 standard deviations from median height for age of NCHS reference population.	35	33	-	-
		Proportion (%) of children entering Grade I and completing Grade V				
		Boys	43	45	45	65
		Girls	42	43	45	65
		Combined	43	44	45	65
		Proportion of children of relevant age enrolled as (%) of total number in that age group (gross enrollment):				
		Boys	80	80	85	95
		Girls	79	79	85	95
Combined	80	80	85	95		
Universal access to safe drinking water.	Promote Universal access to safe drinking water	Proportion (%) of people with adequate quantity of safe drinking water within convenient distance:				
		Rural	88	91	91	91
		Urban	96	98	75	90
		Combined	89	94	-	-
Universal access to sanitary means of excreta disposal.	promote Universal access to sanitary means of excreta disposal	Proportion (%) of people with sanitary facility within convenient distance:				
		Rural	5	33	35	80
		Urban	35	43	-	-
		Combined	9	34	35	80

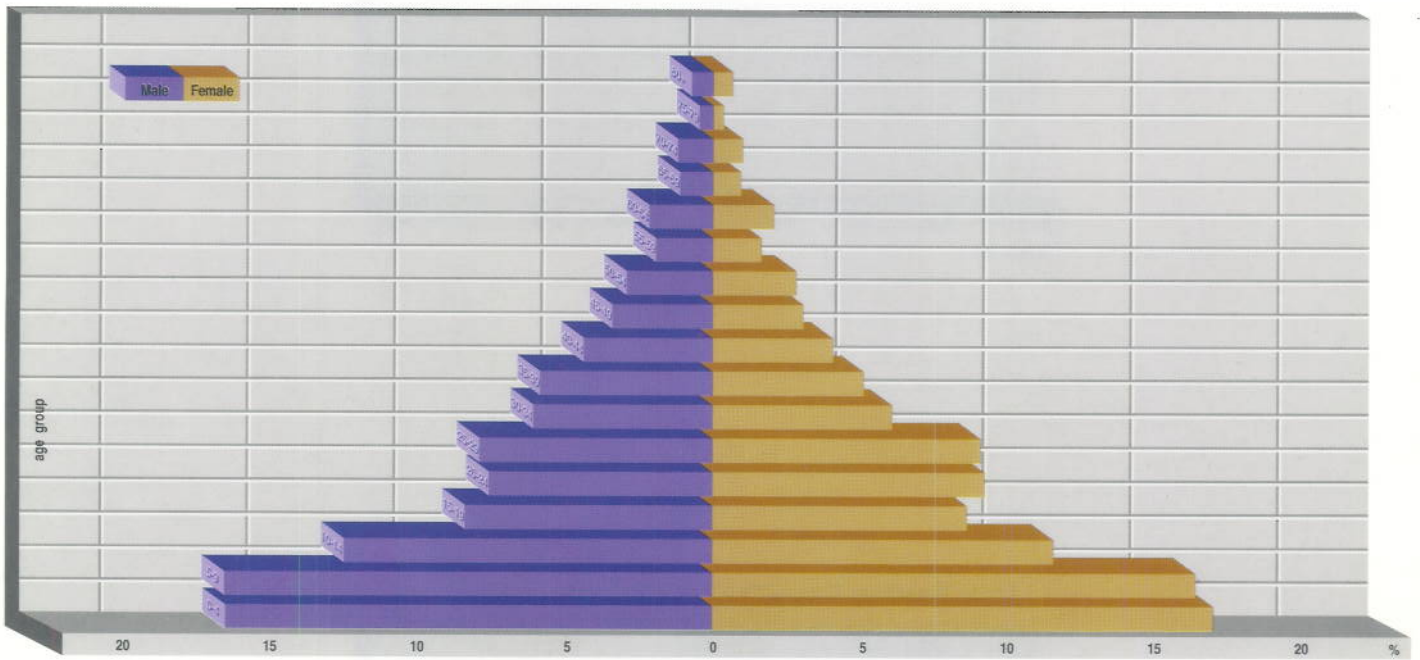
1 Proportionately calculated on the basis of pregnant women immunized against tetanus. 2 As per 1984/1986 estimates (measles/polio).
3 As per 1983 Lameness survey in 4 thanas. 4 Expressed in numbers.





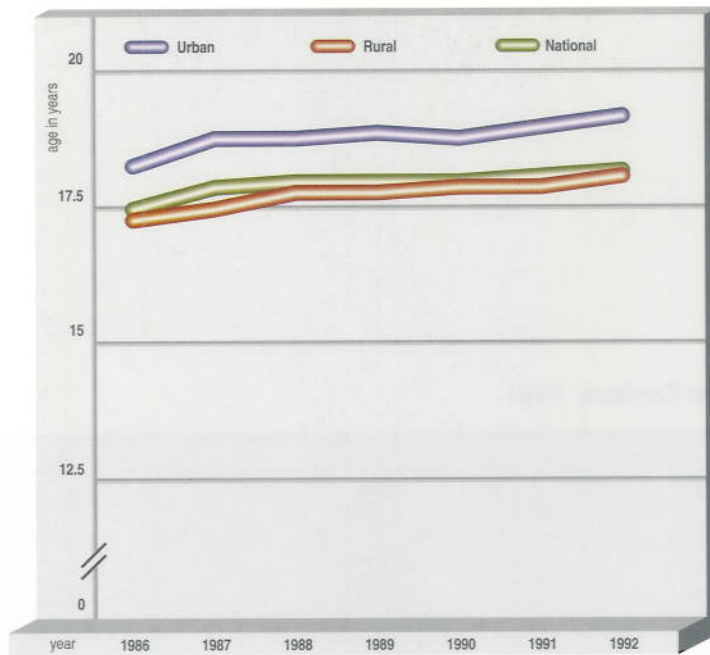
**Graphs showing the
National Data**

Base Population: Population Census, 1991



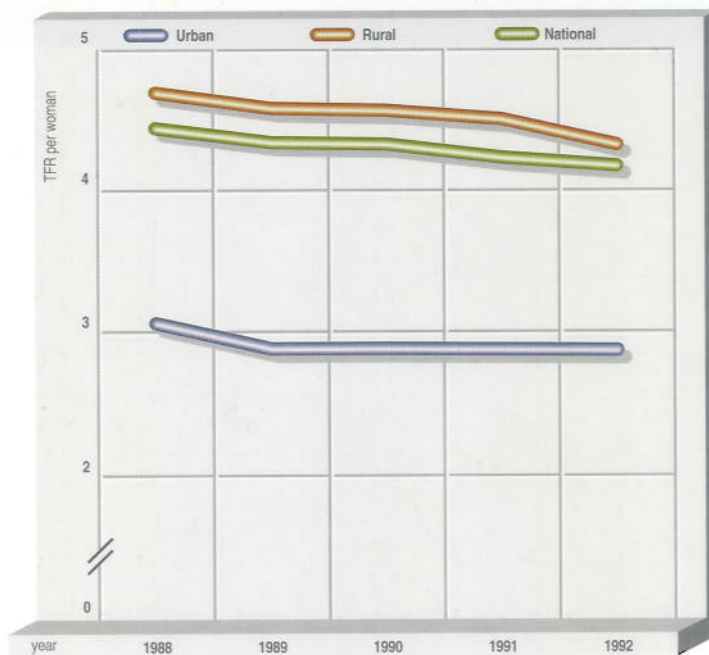
Source: BBS

Mean Age at Marriage (Female)



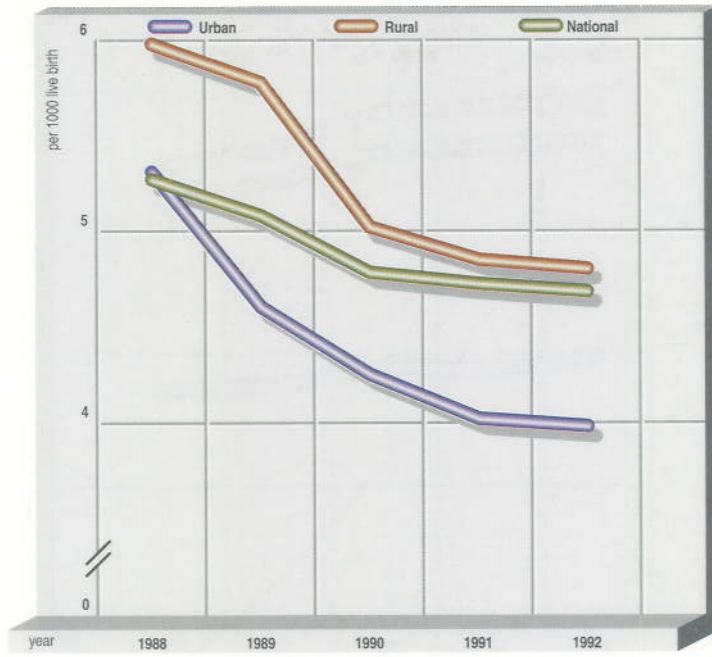
Source: BBS

Total Fertility Rate (TFR) Per Woman



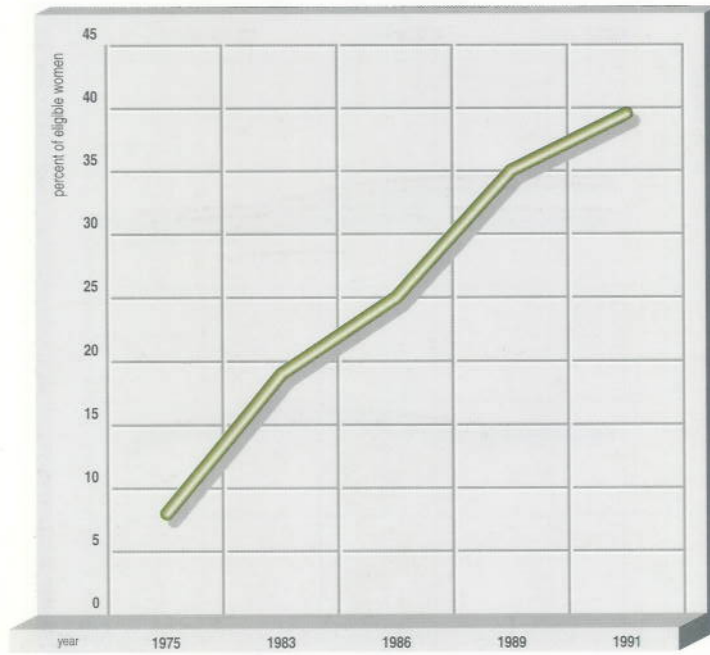
Source: BBS

Maternal Mortality Rate (MMR)



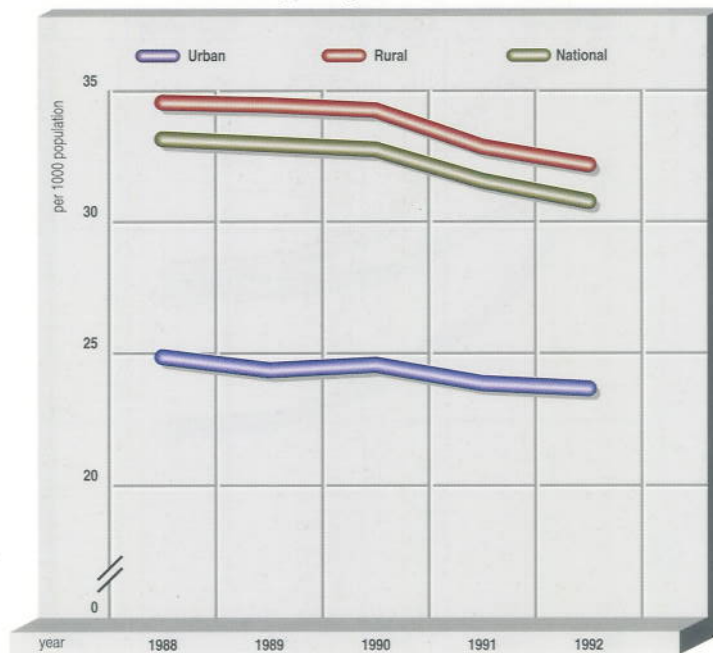
Source: BBS

Contraceptive Prevalence Rate (CPR)



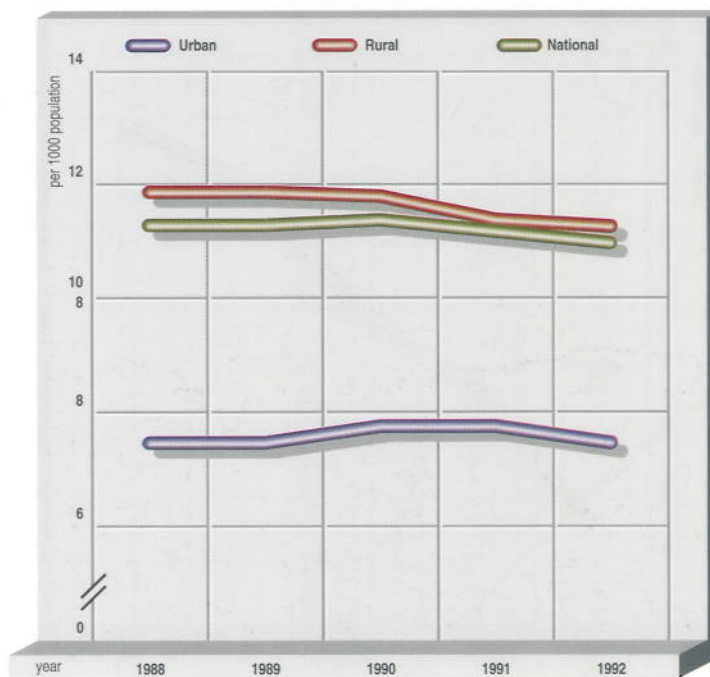
Source : BFS & CPS

Crude Birth Rate (CBR)



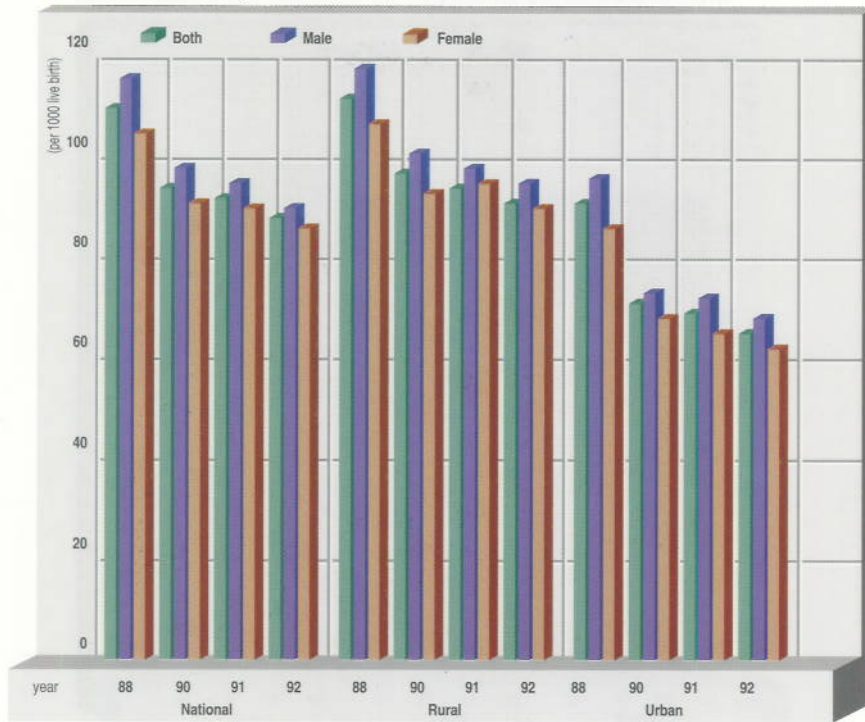
Source: BBS

Crude Death Rate (CDR)



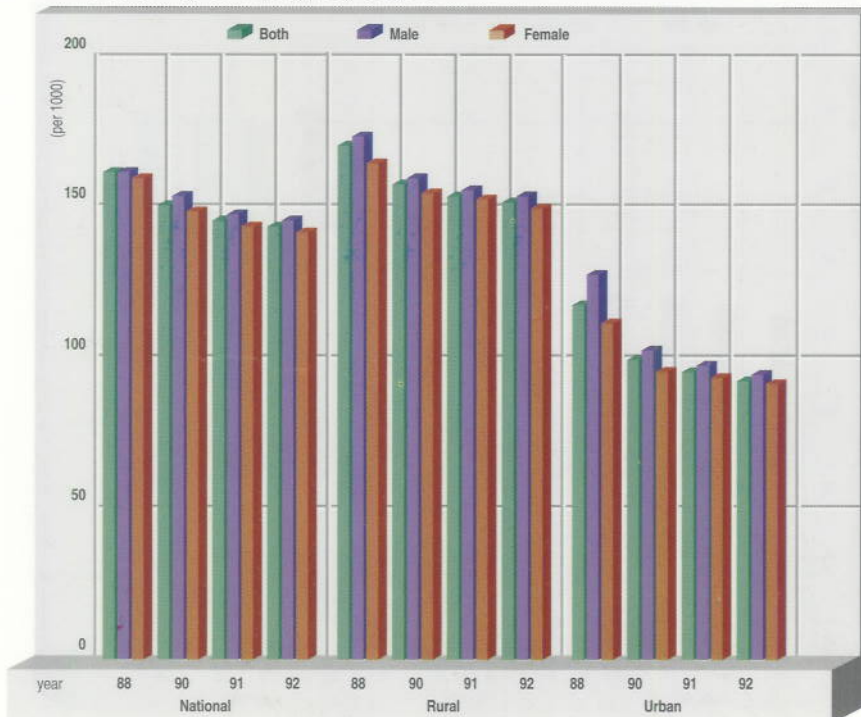
Source: BBS

Infant Mortality Rate (IMR)



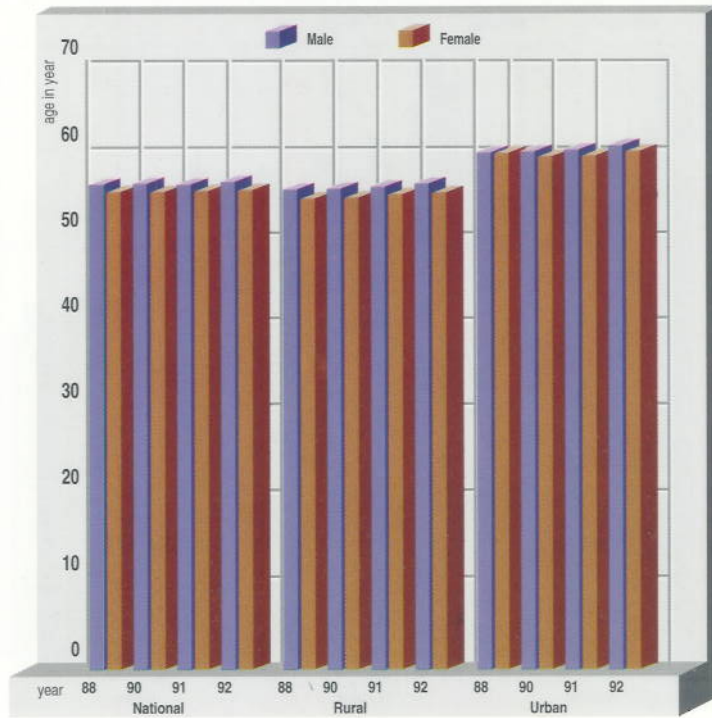
Source: BBS

Probability of Dying By Age 5



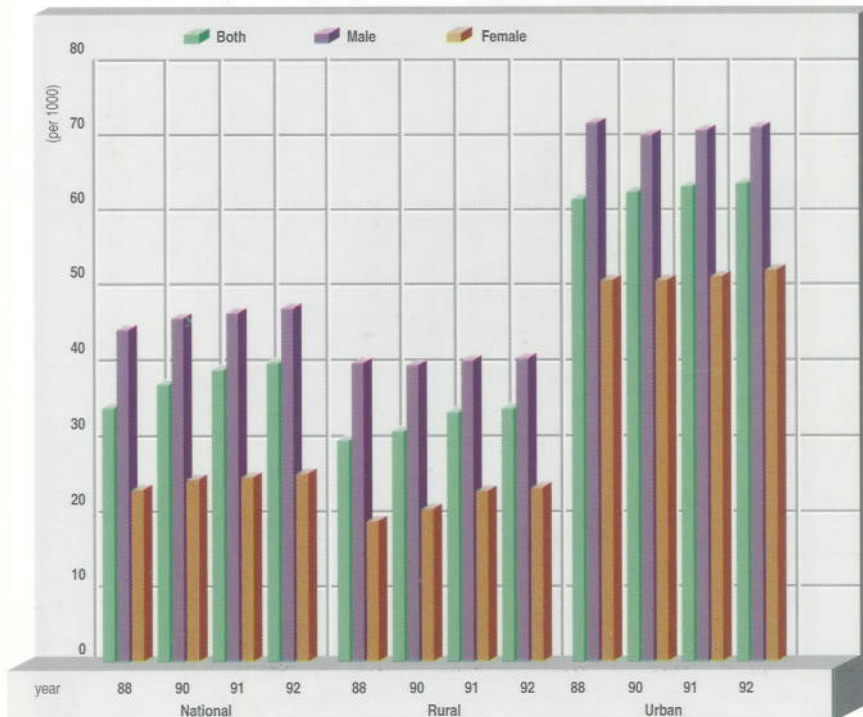
Source: BBS

Life Expectancy at Birth

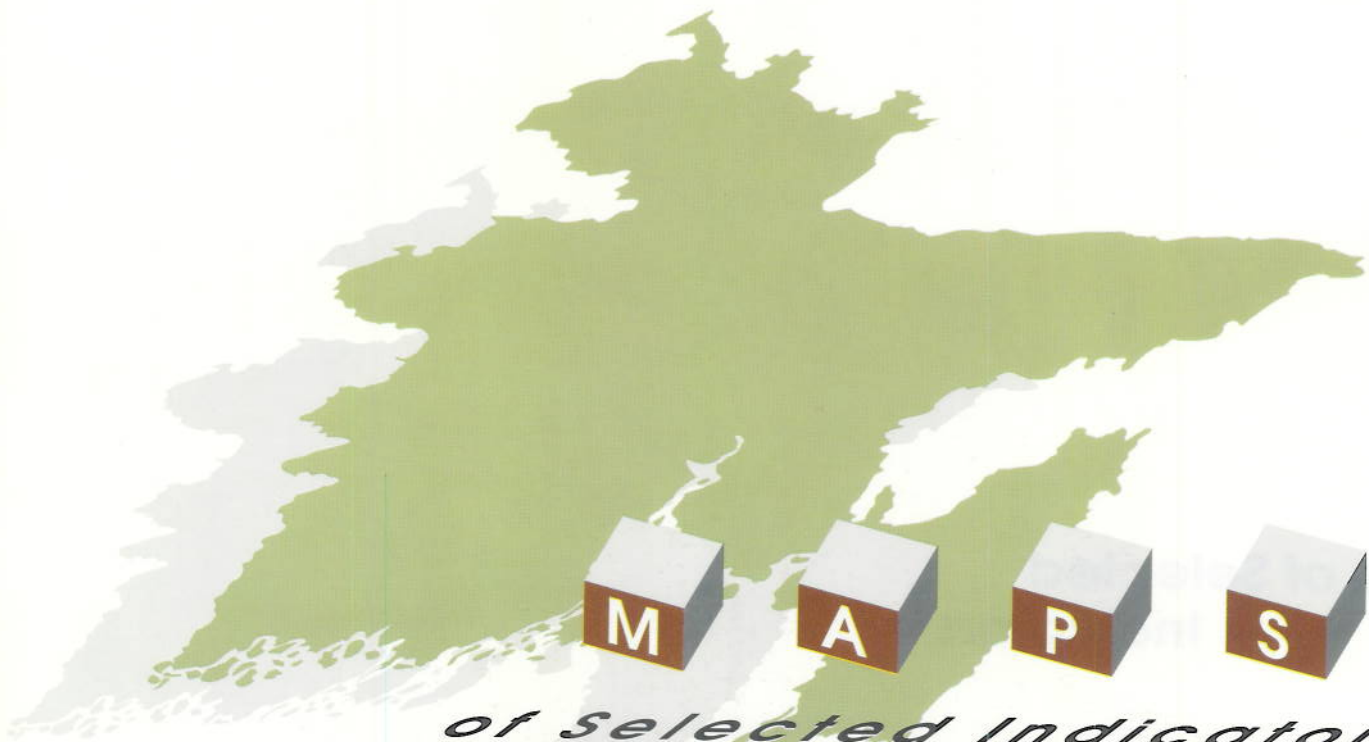


Source: BBS

Adult Literacy Rate (Population Aged 15 yrs)



Source: BBS

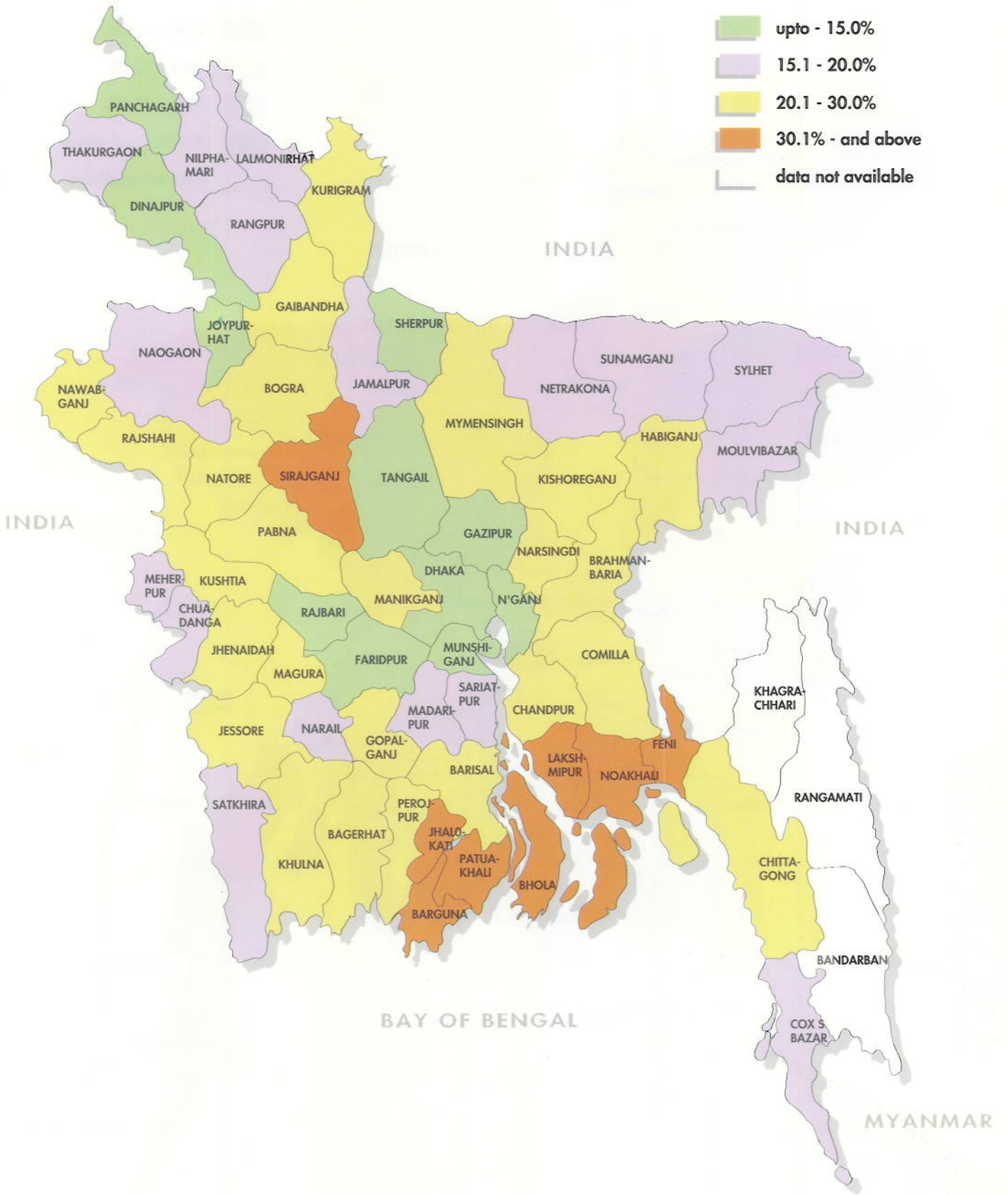


of Selected Indicators
of Selected Indicators

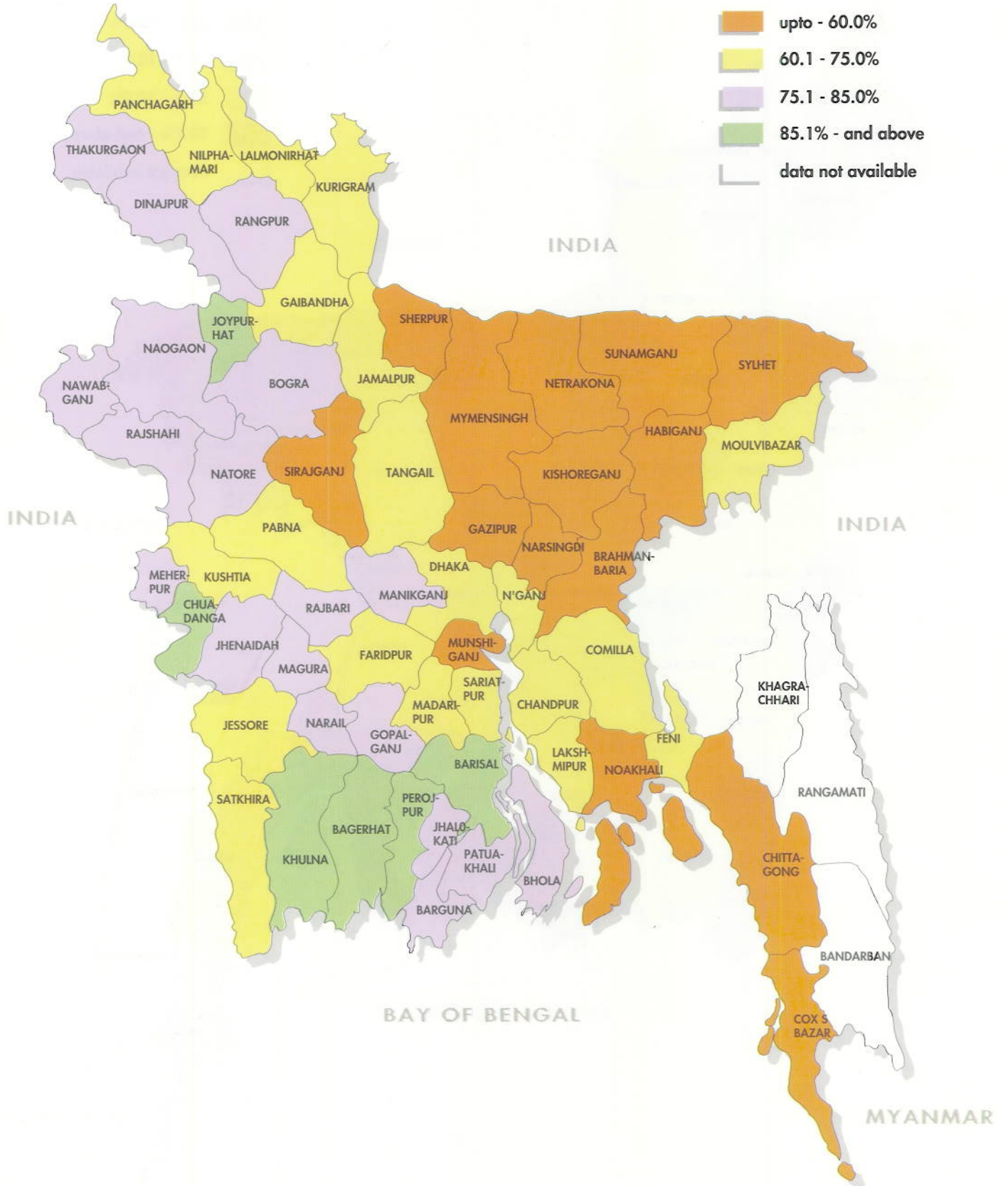


**Maps of Selected
Indicators**

PREVALENCE OF DIARRHOEA (<5YRS CHILDREN) WITHIN LAST 15 DAYS : 1993 (RURAL)

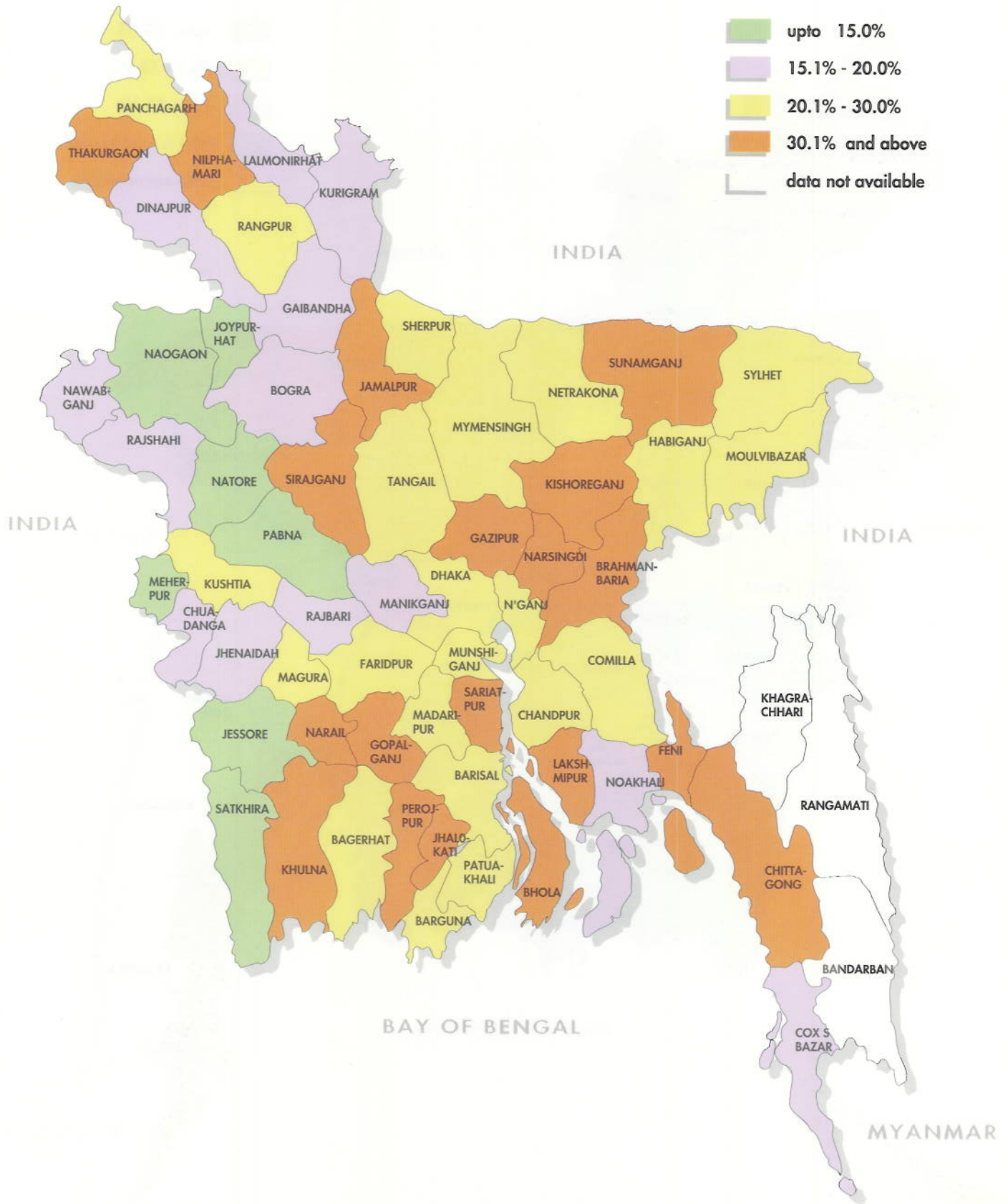


CHILDREN RECEIVING VITAMIN-A IN RURAL AREAS (YOUNGEST : 6 MONTHS - 5 YEARS) : 1993



PREVALENCE OF MALNUTRITION IN RURAL AREAS

(MUAC LESS THAN 12.5 CMS IN YOUNGEST CHILD 1-5 YEARS OF AGE) : 1993



MEASLES VACCINATION COVERAGE IN RURAL AREAS (CHILDREN 12-23 MONTHS OF AGE) : 1993



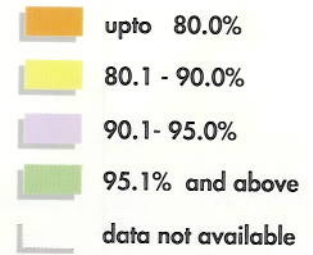
6-10 YEARS BOYS ENROLLED IN SCHOOL :1993 (RURAL)



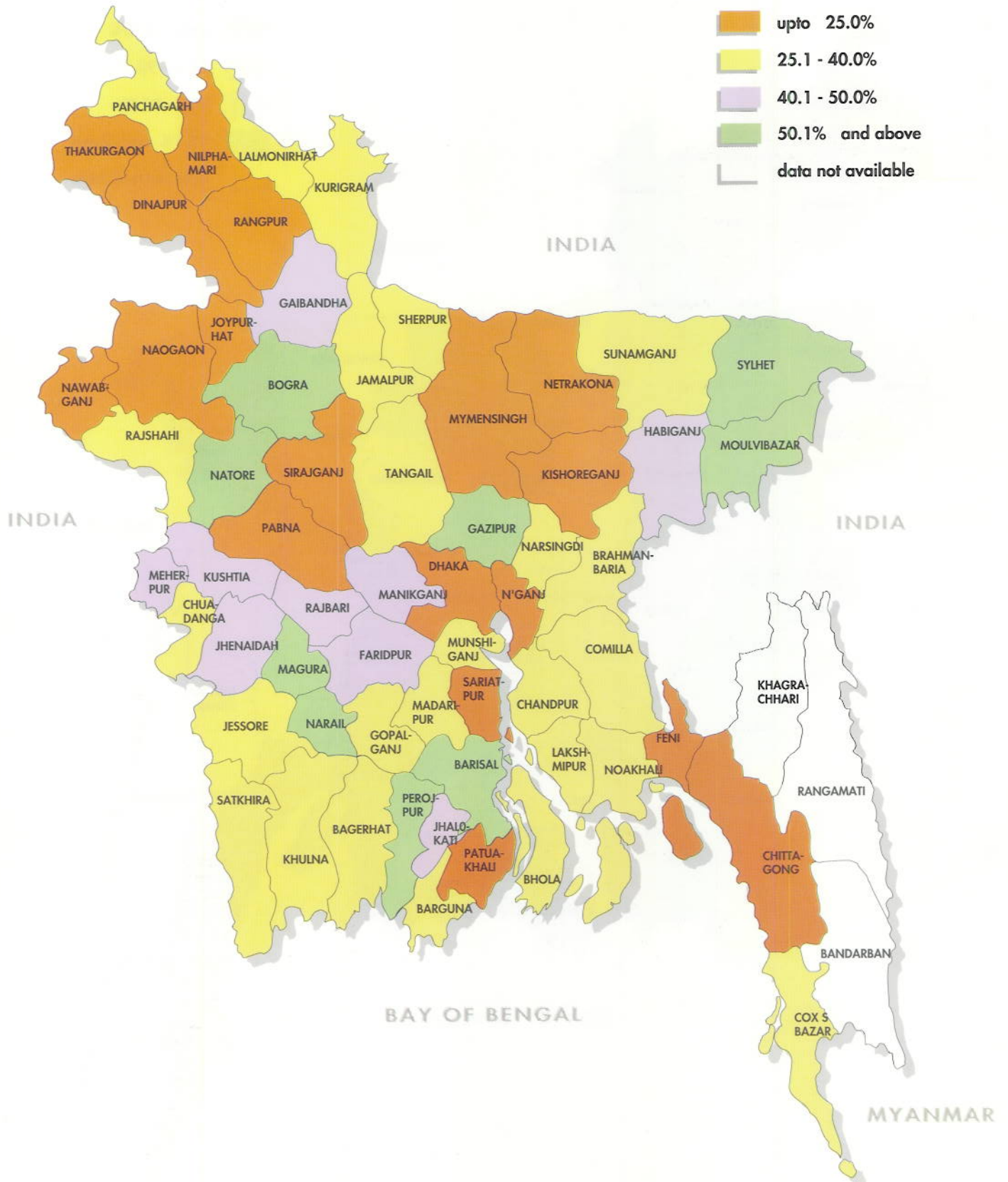
6-10 YEARS GIRLS ENROLLED IN SCHOOL :1993 (RURAL)



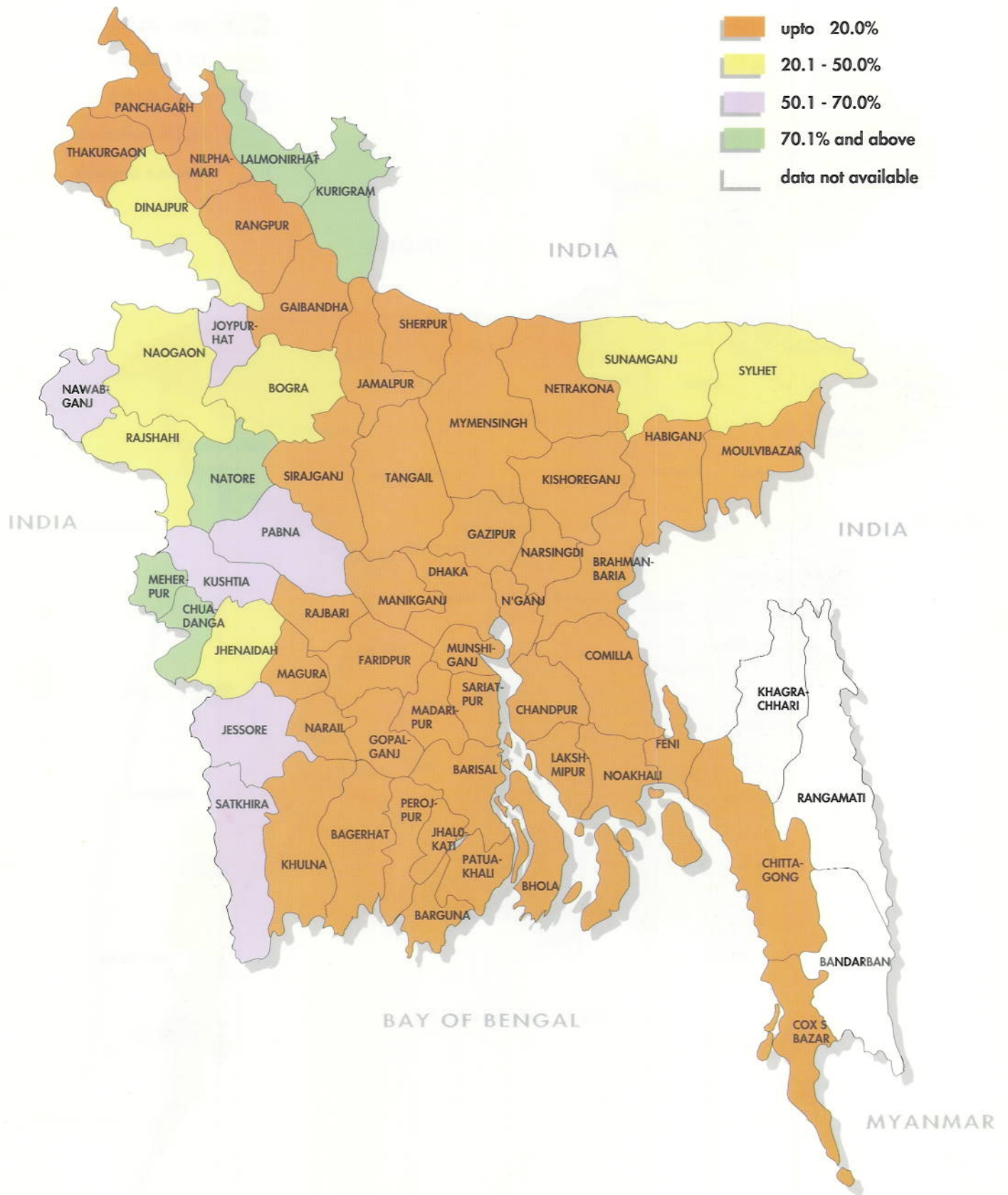
HOUSEHOLDS WITH ACCESS TO SAFE DRINKING WATER : 1993 (RURAL)



HOUSEHOLDS WITH ACCESS TO HYGIENIC LATRINE : 1993 (RURAL)



HOUSEHOLDS USING IODIZED SALT : 1993 (RURAL)



MOTHERS WITH LAST CLOSED BIRTH INTERVAL OF 24 MONTHS AND MORE : 1993 (RURAL)

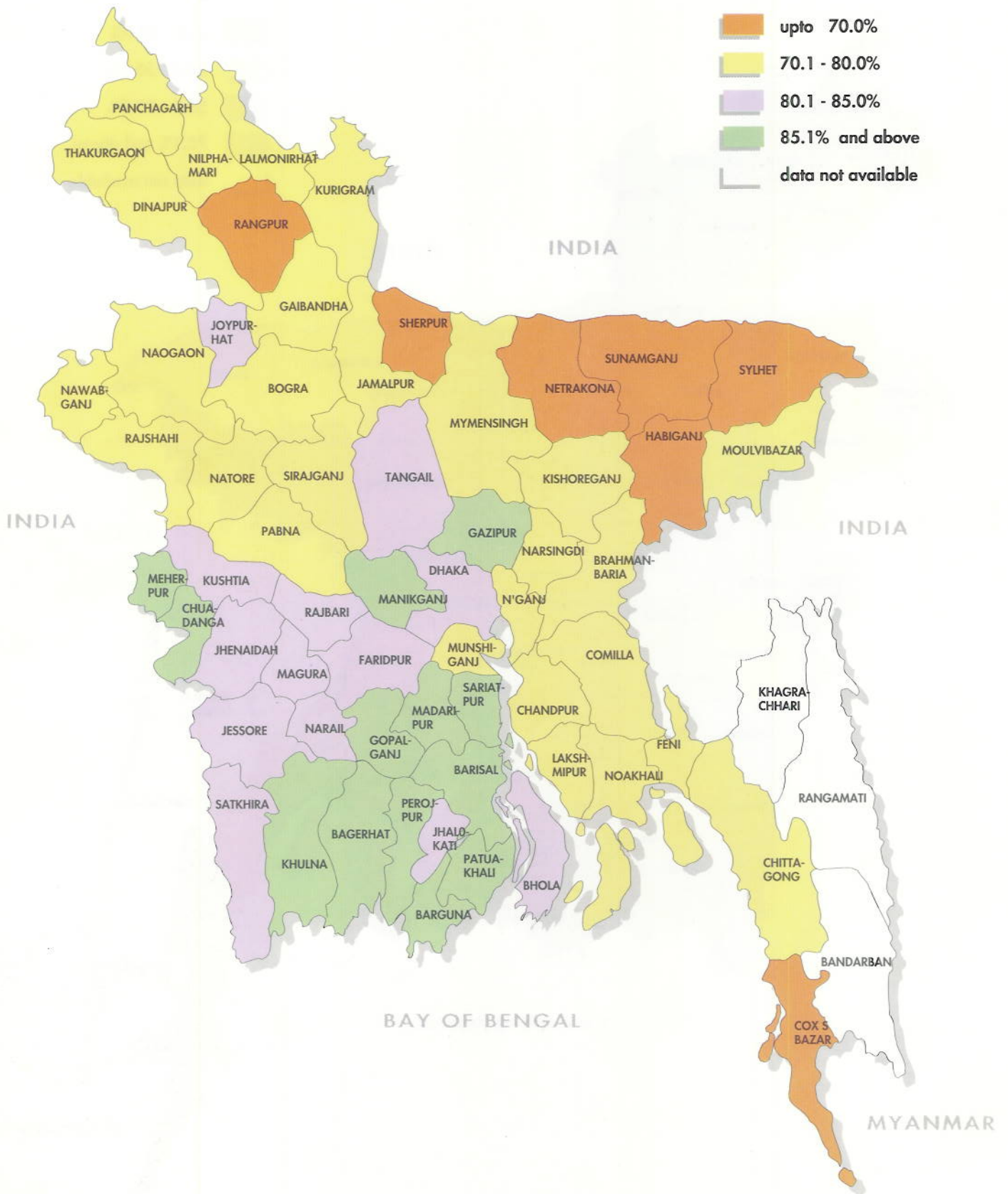
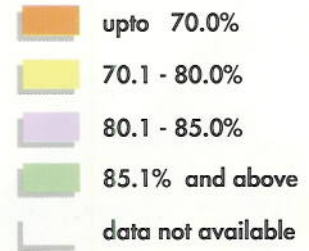


Table
Showing
Divisional Level
Summary Data

RESULTS OF MULTIPLE INDICATOR CLUSTER SURVEY - JULY 1993

(all figures in percent)

Indicator/Category	CHITTAGONG			DHAKA			KHLNA			RAJSHAHI			NATIONAL		
	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	RURAL
1. Diarrhoea within last 15 days (among <5 child) :															
	23.1	11.9	23.7	18.8	21.9	16.3	19.6	20.2	22.8	16.0	9.7	29.1	19.8	14.8	23.9
2. Type of treatment for the youngest <5 child (multiple answer) :															
Only ORS	22.1	47.9	14.9	12.0	47.1	15.6	40.0	47.3	23.2	15.7	10.3	15.1	17.9	42.7	16.8
ORT + Home fluid	55.2	33.4	42.4	60.1	14.1	36.3	38.0	19.0	28.7	51.0	37.8	35.0	56.0	42.9	36.0
Only medicine	3.1	18.8	20.9	22.7	38.8	23.9	—	—	21.0	—	3.4	27.0	15.0	10.8	23.4
No treatment	19.8	—	22.0	—	—	24.2	22.0	33.8	27.1	33.3	48.3	22.9	7.9	—	23.9
3. Treatment by (multiple answer) :															
Health center	15.4	25.0	12.7	18.4	28.1	11.9	16.0	27.1	17.6	49.1	37.9	12.9	18.1	27.6	12.4
Village practitioner	44.6	25.0	45.6	39.4	52.1	43.4	30.0	23.0	36.0	25.5	34.5	39.8	39.0	29.8	40.7
FWA / HA	7.0	10.4	0.6	5.3	1.4	2.8	4.0	5.4	3.3	3.9	—	4.0	5.5	6.7	3.6
Self + Other	32.3	39.6	21.6	35.5	18.3	21.2	50	44.6	21	21.6	27.6	23.7	36.4	36	25.1
4. No. of Vitamin-A capsules within last one year to the youngest child (6 month to 5 years) :															
0	36.3	29.4	41.0	37.2	19.4	36.9	18.9	17.9	20.1	28.3	33.6	24.2	34.5	26.1	31.9
1	38.8	38.2	28.7	38.6	43.5	29.2	35.2	32.4	26.7	24.3	21.2	30.6	37.9	35.5	28.5
2	19.9	25.6	20.0	18.9	25.6	22.2	41.8	31.8	26.7	25.5	27.9	24.1	22.2	27.2	22.7
2+	4.9	6.8	10.4	5.3	11.3	11.7	4.1	18.0	26.7	14.2	17.3	21.2	5.3	11.1	18.7
5. Mid upper arm circumference (youngest of 1-5 year children) :															
<12.5 cm	15.8	11.0	28.7	19.1	5.6	27.3	23.9	11.9	23.2	4.3	0.0	22.3	18.7	9.0	25.9
12.5 + cm	84.2	89.0	71.3	80.9	94.4	72.7	76.1	88.1	76.8	95.7	100.0	77.7	81.3	90.0	74.1
6. Period of exclusive breastfeeding (youngest of 1-<5 years of children) :															
0 months	24.0	34.8	12.6	16.5	17.6	13.9	31.7	42.0	12.9	36.4	44.1	12.6	20.5	35.0	13.0
1-3 months	24.4	21.2	27.1	31.3	52.2	31.4	23.8	20.6	26.0	27.5	26.9	24.8	28.7	26.3	27.6
4-6 months	25.2	29.5	26.1	33.3	13.7*	23.0	27.6	26.6	28.2	23.0	20.5	31.4	30.6	25.4	27.0
7-9 months	15.5	10.8	15.1	9.1	—	10.4	9.7	6.1	12.3	7.7	2.4	13.4	10.6	7.2	12.7
10-12 months	9.7	3.8	12.9	9.4	—	15.0	6.0	3.7	12.3	4.5	4.7	12.7	8.9	3.3	13.4
12 + months	1.1	—	6.2	0.3	16.5	6.4	1.3	1.1	8.3	1.0	1.4	5.1	0.6	2.8	6.4
7. Age at first regular rice feeding (youngest of 1-<5 years) :															
4-6 months	0.5	0.3	9.1	16.2	—	6.0	0.8	0.3	7.7	0.4	0.9	15.7	10.4	0.3	9.6
7-9 months	15.3	21.7	21.9	32.2	28.1	16.6	20.1	25.3	23.1	13.0	15.9	34.0	26.5	22.6	23.7
9 + months	84.1	77.9	69	51.6	71.8*	77.4	79	74.2	69.2	85.0	83.1	50.3	63.0	77.0	66.7
8. Whether measles vaccines taken (youngest of 13 months - 24 months children) :															
Yes	71.7	83.3	59.3	50.8	85.2	76.1	85.4	90.1	84.0	73.8	85.0	77.2	60.3	85.2	72.8
No	28.3	16.7	40.7	49.2	14.8	23.9	14.6	9.9	16.0	26.2	15.0	22.8	39.7	14.8	27.2

* grouping is <3, 3-6, >6 months

Indicator/Category	CHITTAGONG			DHAKA			KHLUNA			RAJSHAHI			NATIONAL		
	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	RURAL
9. Enrolled boys (among 6-10 years old boys) :															
	46.7	74.3	72.6	32.2	71.5	64.7	58.7	88.4	72.3	58.2	76.5	58.0	39.4	77.1	70.2
10. Drop-out boys (among 6-10 years enrolled boys) :															
	8.6	2.8	5.0	8.4	1.3	3.2	5.4	3.6	4.5	11.1	1.7	4.1	8.1	2.6	5.1
11. Attendance in last 3 days (eldest of 6-10 years attending boys) :															
0 day	12.6	7.3	17.4	19.7	2.2	15.3	8.2	7.0	17.4	19.4	15.7	16.6	16.7	7.6	19.1
1 day	2.1	7.3	11.4	6.6	0.7	7.1	5.1	7.6	8.5	9.2	3.7	9.5	5.5	5.9	8.9
2 days	11.9	11.9	20.3	7.9	1.5	18.4	16.3	16.8	16.2	19.4	19.4	18.2	10.1	12.4	17.7
3 days	73.4	73.5	50.9	65.8	95.5	59.2	70.4	68.6	57.9	52.0	61.1	55.7	57.7	74.0	53.7
12. Enrolled girls (among 6-10 years old girls) :															
	47.4	78.0	67.7	40.9	77.0	63.8	53.9	83.8	71.3	63.6	75.0	64.9	44.5	78.7	69.3
13. Drop-out girls (among 6-10 years enrolled girls) :															
	10.5	4.5	3.6	7.7	2.8	3.6	1.7	4.6	3.5	9.4	1.7	1.5	7.6	3.9	4.3
14. Attendance in last 3 days (eldest of 6-10 years attending girls) :															
0 day	10.2	4.7	19.7	19.5	2.3	15.2	12.5	8.6	14.6	19.8	14.6	14.0	16.6	6.5	19.6
1 day	4.7	9.9	7.3	2.3	0.8	6.7	6.7	5.9	7.3	5.0	2.9	7.1	3.5	6.8	6.8
2 days	11.7	7.9	17.1	18.4	3.1	14.9	10.6	12.4	18.7	16.8	13.6	16.8	15.9	8.9	16.4
3 days	72.6	77.5	55.9	59.8	93.9	63.1	70.2	73.0	59.4	58.4	68.9	62.2	63.9	77.8	57.2
15. Last delivery helped by :															
Trained person	4.0	28.7	8.4	7.4	41.0	10.3	10.3	35.9	8.1	22.0	40.5	7.7	7.4	33.5	8.0
Untrained person	59.7	45.8	65.5	62.8	48.3	44.3	51.1	34.2	34.3	58.9	40.7	4.6	60.5	43.1	45.7
Family	33.0	23.2	11.9	25.1	10.4	20.1	28.2	26.2	29.0	13.5	12.1	24.9	27.0	20.5	25.1
Neighbour	3.1	2.3	14.2	4.8	0.3	25.4	10.3	3.7	28.6	5.6	6.7	25.8	5.1	2.9	22.0
16. Place of last delivery :															
Health center	2.1	19.6	2.1	4.7	35.1	1.9	3.4	18.0	2.2	13.9	34.1	1.8	4.2	23.4	1.9
Home	97.7	80.1	97.5	95.2	64.6	96.6	96.6	82.0	97.1	84.6	65.9	95.7	35.7	76.4	94.5
Neighbours house	0.2	—	0.2	—	—	0.3	—	—	0.4	1.3	—	0.3	0.1	—	0.4
Other	—	0.3	0.2	—	0.3	1.2	—	—	0.3	0.3	—	2.3	0.0	0.2	1.2
17. Source of water for cloth washing (multiple answer) :															
Tube well	60.5	36.9	7.3	24.1	4.5	38.2	60.8	27.1	25.1	6.9	29.4	44.3	36.4	29.2	25.7
Pond	13.9	26.0	74.9	23.9	—	36.3	20.1	26.5	63.4	55.2	28.0	33.7	21.9	22.6	55.6
River	0.2	—	16.8	6.6	—	17.4	—	—	10.3	32.0	8.8	6.0	4.9	1.2	12.7
Other	25.4	37.8	4.3	45.3	95.5	9.9	19.1	46.1	3.1	6.0	33.4	17.7	36.7	47.3	7.4

Indicator/Category	CHITTAGONG			DHAKA			KHULNA			RAJSHAHI			NATIONAL		
	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	DIVISION RURAL	METRO SLUM	METRO NON-SLUM	RURAL
18. Source of water for utensil washing (multiple answer) :															
Tube well	59.6	37.0	18.8	25.1	4.5	61.4	64.9	30.7	45.5	38.9	53.7	61.3	38.1	33.2	43.4
Pond	12.6	24.2	67.0	22.9	—	21.5	16.3	24.4	46.3	26.6	8.4	19.3	19.9	18.7	43.8
River	0.2	0.0	12.4	1.9	—	9.3	0.0	0.0	7.8	20.1	0.0	1.8	1.3	—	7.9
Other	27.7	38.8	4.8	50.1	95.5	8.7	18.8	44.8	2.9	14.4	37.8	18.4	40.4	48.1	7.2
19. Source of drinking water (multiple answer) :															
Tube well	71.6	64.5	84.9	45.8	4.3	91.5	93.7	85.5	94.1	82.4	71.2	87.5	58.4	61.0	91.1
Pond	0.8	0.8	8.9	0.2	—	2.0	0.3	0.2	3.0	0.9	1.0	1.7	0.4	0.6	3.5
River	0.2	—	2.7	0.2	—	2.3	0.3	—	2.1	0.6	—	0.5	0.2	—	1.5
Other	27.5	34.8	5.8	53.7	95.7	5.1	5.6	14.3	1.2	16.0	27.7	11.4	40.9	38.5	4.8
20. Type of latrine (multiple answer) :															
Water sealed	23.1	60.7	12.2	9.8	50.7	8.4	26.0	71.8	9.2	20.1	67.6	8.2	15.0	62.4	10.0
Pit latrine	14.7	11.8	31.0	26.3	46.1	26.4	37.3	15.4	31.2	28.8	17.9	17.0	25.2	18.3	23.1
Hanging	61.8	26.4	49.8	62.1	2.7	44.9	36.7	12.3	30.8	23.5	6.8	16.4	57.9	17.5	38.5
Other including none	0.4	1.0	14.5	1.9	0.5	21.9	—	0.4	31.0	27.6	7.8	61.0	1.9	1.7	30.8
21. Hand washing of mother after defecation (multiple answer) :															
Only water	36.2	18.4	12.2	38.2	7.4	16.9	18.8	18.4	18.2	14.7	3.7	32.5	34.7	14.3	28.1
Water and Soap	16.8	56.2	31.0	14.3	72.6	13.3	24.5	53.5	10.7	6.6	46.3	10.2	16.0	56.7	15.1
Water and ash/soil	46.6	25.2	49.8	46.8	19.9	71.0	56.4	27.3	74.1	77.7	50.0	58.3	48.7	28.1	59.7
Other	0.4	0.3	14.5	—	—	0.6	0.3	0.9	0.8	0.9	—	3.0	0.1	0.3	1.7
22. Type of household salt :															
Iodized	7.6	26.0	14.4	6.2	36.5	2.3	30.1	46.8	34.2	96.7	89.6	27.8	11.6	40.1	19.3
Not iodized	92.4	74.0	85.6	93.8	63.5	97.7	69.9	53.2	63.8	3.3	10.4	72.2	88.4	59.9	80.7
23. Last closed birth interval :															
<18 months	7.1	7.4	8.0	6.7	5.8	6.8	7.2	6.3	4.0	7.5	5.4	9.1	6.9	8.3	7.1
18-23 months	7.8	7.6	15.1	7.4	6.0	9.6	6.9	4.3	6.9	7.2	4.4	10.6	7.4	5.4	18.9
24-29 months	21.6	16.9	19.0	16.9	11.8	18.0	19.7	14.5	15.8	18.2	12.1	18.9	18.3	17.9	18.1
30-35 months	11.3	9.8	13.4	11.7	7.0	9.8	12.5	5.0	8.8	11.3	6.4	9.1	11.7	7.0	10.3
36-47 months	20.2	18.9	18.4	18.6	16.1	21.4	21.7	14.3	20.2	19.4	15.2	17.4	19.3	22.1	19.4
48+ months	17.9	26.4	14.1	26.0	34.3	21.3	18.2	34.6	26.0	21.0	28.7	17.3	23.1	24.6	19.4
Only one child	14.1	13.1	11.9	12.6	19.0	13.2	13.8	21.0	18.2	15.4	27.9	17.5	13.1	14.8	14.9

Tables
Showing
District
Specific
Data

GENERAL INFORMATION

DIVISION	DISTRICT	AREA IN SQ.KMS	POPULATION	POPULATION DENSITY	HOUSEHOLDS	HOUSEHOLD SIZE	THANA	UNION	MAUZA
CHITTAGONG									
	BANDARBAN	4501	243849.0	54.2	47507.0	5.1	7	29	93
	BRAHAMANBARIA	1875	2259071.0	1204.8	380710.0	5.9	7	97	1081
	CHANDPUR	1655	2139640.0	1292.8	376682.0	5.7	7	89	1048
	CHITTAGONG	5213	5729740.0	1099.1	998901.0	5.7	20	195	1039
	COMILLA	3069	4253728.0	1386.0	727988.0	5.8	12	178	2600
	COX'S BAZAR	2242	1465022.0	653.4	225928.0	6.5	7	64	188
	FENI	984	1156069.0	1174.9	195663.0	5.9	5	46	654
	HABIGONG	2514	1566241.0	623.0	273145.0	5.7	8	77	1268
	KHAGRACHHARI	2590	360441.0	139.2	73435.0	4.9	8	34	127
	LAKSHMIPUR	1421	1382677.0	973.0	250355.0	5.5	4	48	570
	MOULVIBAZAR	3164	1446134.0	457.1	253879.0	5.7	6	67	190
	NOAKHALI	3053	2345713.0	768.3	407321.0	5.7	6	82	775
	RANGAMATI	6089	423364.0	69.5	80888.0	5.2	10	47	136
	SUNAMGANJ	3535	1769101.0	500.5	294322.0	6.0	10	81	1668
	SYLHET	3504	2270656.0	648.0	363042.0	6.3	11	97	1670
DHAKA									
	DHAKA	1468	6145654.0	4186.4	1099659.0	5.6	19	70	597
	FARIDPUR	2082	1552207.0	745.5	286356.0	5.4	8	79	911
	GAZIPUR	1820	1703468.0	930.0	333874.0	5.1	5	43	1313
	GOPALGONJ	1484	1107299.0	746.2	201811.0	5.5	5	69	614
	JAMALPUR	2033	1937396.0	953.0	397412.0	4.9	7	67	727
	KISHORGONJ	2551	2271250.0	890.3	436288.0	5.2	13	106	1711
	MADARIPUR	1113	1106936.0	994.6	213253.0	5.2	4	58	686
	MANIKGONJ	1370	1213446.0	885.7	235335.0	5.2	7	65	1036
	MUNSHIGONJ	986	1221952.0	1239.3	214980.0	5.7	6	70	795
	MYMENSINGH	3998	4012197.0	1003.6	789817.0	5.1	12	146	1984
	NARAYANGONJ	707	1824494.0	2580.6	334460.0	5.5	5	49	930
	NARSINGDI	1116	1708359.0	1530.8	325380.0	5.3	6	70	587
	NETROKONA	3118	1751290.0	561.7	338950.0	5.2	10	85	1014
	RAJBARI	1103	862134.0	781.6	152695.0	5.7	4	42	934
	SHARIATPUR	1098	983429.0	895.7	185337.0	5.3	6	61	520
	SHERPUR	1315	1147317.0	872.5	245480.0	4.7	5	51	622
	TANGAIL	3403	3044375.0	894.6	585795.0	5.2	11	103	2019

DIVISION	DISTRICT	AREA IN SQ.KMS	POPULATION	POPULATION DENSITY	HOUSEHOLDS	HOUSEHOLD SIZE	THANA	UNION	MAUZA
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KHULNA

BAGERHAT	3939	1476190.0	374.8	281099.0	5.3	9	75	695
BARGUNA	1442	792534.0	549.6	150980.0	5.3	5	39	296
BARISAL	2416	2202160.0	911.5	429128.0	5.3	10	86	1069
BHOLA	2709	1489415.0	549.8	271976.0	5.5	7	60	421
CHUADANGA	1160	828162.0	713.9	148729.0	5.6	4	31	335
JESSORE	2592	2181613.0	841.7	390935.0	5.6	8	91	1082
JHALOKATHI	751	697108.0	928.2	131604.0	5.3	4	32	497
JHENAIDAH	1960	1388392.0	708.4	244677.0	5.7	6	68	1031
KHULNA	4470	2131638.0	476.9	395533.0	5.4	14	67	797
KUSHTIA	1566	1533124.0	979.0	277907.0	5.5	6	59	587
MAGURA	1036	750233.0	724.2	129154.0	5.8	4	36	545
MEHERPUR	712	504046.0	707.9	94592.0	5.3	2	18	350
NARAIL	984	685956.0	697.1	122453.0	5.6	3	37	598
PATUAKHALI	2652	1298152.0	489.5	230769.0	5.6	6	65	554
PEROJPUR	1375	1102985.0	802.2	210594.0	5.2	6	53	559
SATKHIRA	3758	1652807.0	439.8	297156.0	5.6	7	77	961

RAJSHAHI

BOGRA	2921	2687324.0	133.8	529207.0	5.1	11	108	1398
DINAJPUR	3477	2288811.0	658.3	441054.0	5.2	13	102	1254
GAIBANDHA	2157	1942367.0	900.5	388204.0	5.0	7	82	672
JOYPURHAT	966	772225.0	799.4	156102.0	5.0	5	31	1107
KURIGRAM	2271	1631286.0	718.3	314932.0	5.2	9	74	394
LALMONIRHAT	1212	963901.0	795.3	185686.0	5.2	5	42	544
NAOGAON	3460	2156235.0	623.2	414307.0	5.2	11	99	2268
NATORE	1862	1356858.0	728.7	250873.0	5.4	6	51	474
NAWABGANJ	1673	1203481.0	719.4	202169.0	6.0	5	46	913
NILPHAMARI	1631	1405426.0	861.7	271474.0	5.2	6	61	658
PABNA	2331	1955517.0	838.9	332850.0	5.9	9	72	1411
PANCHAGARH	1300	729595.0	561.2	141526.0	5.2	5	43	1115
RAJSHAHI	2460	1988266.0	808.2	373347.0	5.3	13	71	1698
RANGPUR	2323	2211712.0	951.8	433904.0	5.1	8	83	1455
SERAJGONJ	2400	2349223.0	978.8	423169.0	5.6	9	79	1297
THAKURGAON	1818	1025686.0	564.2	194381.0	5.3	5	48	1248

NUTRITION *(all figures in percent)*

		Malnutrition	Vitamin A Administration			Exclusive Breastfeeding Duration			Age at Weaning			Salt
DIVISION	DISTRICT	MUAC < 12.5 cm	0 Dose	1-2 Dose	>2 Dose	Upto 3 mths	4-6 mths	7+ months	4-6 mths	7-9 mths	9+ months	Household -Salt Iodized
CHITTAGONG												
	BRAHMANBARIA	33.6	43.0	47.7	9.3	35.7	20.5	43.7	1.7	6.6	91.7	5.9
	CHANDPUR	27.4	30.5	57.7	11.9	28.9	13.8	57.3	12.9	5.8	81.3	8.4
	CHITTAGONG	32.8	58.1	38.3	3.6	13.4	8.3	78.2	13.4	8.3	78.2	1.8
	COMILLA	28.4	21.9	65.8	12.3	35.4	27.2	37.4	1.8	10.7	87.5	8.3
	COX'S BAZAR	18.3	42.0	25.9	32.1	36.0	46.6	17.3	15.1	35.2	49.7	0.4
	FENI	45.5	37.6	45.3	17.1	31.0	27.1	42.0	6.9	31.3	61.8	3.6
	HABIGANJ	24.0	52.9	43.3	3.8	41.3	25.8	32.9	0.8	22.7	76.3	11.5
	LAKSHMIPUR	35.0	34.0	54.1	11.9	26.0	22.8	51.2	9.8	20.3	69.9	2.8
	MOULVIBAZAR	23.9	34.5	57.5	8.0	52.9	29.7	17.3	9.7	25.0	65.3	17.4
	NOAKHALI	20.8	57.0	40.1	3.0	19.0	26.6	54.4	27.4	72.4	0.0	6.5
	SUNAMGANJ	32.7	60.5	37.1	2.0	25.8	19.6	54.6	5.2	14.8	80.0	39.2
	SYLHET	28.9	50.7	38.7	0.7	43.0	26.8	30.2	9.2	31.9	58.8	37.1
DHAKA												
	DHAKA	22.2	28.5	40.4	31.1	44.1	25.3	30.6	0.6	7.7	91.6	1.2
	FARIDPUR	22.3	33.7	62.8	3.5	46.9	21.1	32.0	8.0	21.8	70.3	0.4
	GAZIPUR	37.1	31.0	44.5	24.4	51.6	27.5	20.8	10.6	21.2	68.2	1.7
	GOPALGONJ	38.0	24.0	41.0	37.0	1.0	12.0	87.0	4.0	90.0*		19.0
	JAMALPUR	36.4	28.3	62.8	9.0	46.5	30.3	23.3	5.9	22.2	71.9	0.4
	KISHORGANJ	32.7	41.6	50.0	8.4	17.0	13.9	69.1	7.2	21.1	71.7	1.0
	MADARIPUR	27.1	34.8	62.4	2.9	47.9	18.8	33.3	8.5	13.1	78.4	1.6
	MANIKGANJ	20.4	21.7	61.5	16.8	53.4	29.4	17.1	1.6	20.2	78.2	0.5
	MUNSHIGANJ	23.8	52.9	39.4	7.7	55.1	23.1	21.8	14.0	14.0	72.0	6.1
	MYMENSIGH	29.0	43.0	49.0	8.0	39.0	26.0	35.0	22.0	78.0	0.0	20.0
	NARSINGDI	33.8	55.6	37.9	6.5	21.3	11.3	67.3	5.5	22.7	71.9	1.2
	NARAYANGANJ	29.7	32.4	64.1	3.4	42.9	31.3	25.8	6.3	15.9	77.8	8.0
	NETROKONA	27.0	47.0	50.0	3.0	34.0	33.0	34.0	5.0	93.0*		3.0
	RAJBARI	19.0	22.7	63.6	13.8	34.2	21.6	44.2	8.1	15.6	76.3	13.8
	SHARIATPUR	40.0	30.0	58.0	12.0	18.0	22.0	59.0	6.0	94.0*		8.0
	SHERPUR	30.3	53.4	40.8	5.8	62.9	30.6	6.5	6.0	15.4	78.6	5.1
	TANGAIL	23.4	37.9	50.0	12.1	62.2	23.5	14.3	2.7	11.2	86.1	0.8

* grouping is 4-6, 7+ months

		Malnutrition	Vitamin A Administration			Exclusive Breastfeeding Duration			Age at Weaning			Salt
DIVISION	DISTRICT	MUAC < 12.5 cm	0 Dose	1-2 Dose	>2 Dose	Upto 3 mths	4-6 mths	7+ months	4-6 mths	7-9 mths	9+ months	Household -Salt Iodized
KHULNA												
	BAGERHAT	29.0	11.0	72.0	17.0	19.0	20.0	61.0	6.0	89.0*		5.0
	BARGUNA	29.0	19.0	62.0	19.0	10.0	30.0	60.0	18.0	76.0*		2.0
	BARISAL	23.3	8.6	62.5	29.0	40.4	25.8	33.8	9.8	18.2	72.0	1.0
	BHOLA	31.1	19.6	53.4	27.1	29.0	22.3	48.7	0.8	15.3	83.9	1.2
	CHUADANGA	18.9	11.7	38.0	50.3	47.9	38.0	14.2	3.2	32.1	64.7	85.1
	JESSORE	9.6	24.2	50.0	25.7	33.4	36.0	30.7	12.5	20.2	67.3	57.3
	JHALKATHI	39.9	18.6	48.7	32.7	48.4	16.1	35.4	12.1	14.2	73.7	5.0
	JHENAIDAH	16.3	18.2	67.6	14.3	51.3	27.3	21.4	9.6	37.0	53.3	37.4
	KHULNA	38.0	11.0	61.0	28.0	7.0	20.0	73.0	8.0	84.0*		14.0
	KUSHTIA	25.8	32.0	45.4	22.6	46.9	26.6	26.6	6.3	27.0	66.7	51.4
	MAGURA	28.7	18.6	66.1	15.4	32.7	26.8	40.5	11.5	35.1	53.5	1.7
	MEHERPUR	11.8	20.9	49.6	29.4	44.5	39.9	15.7	6.0	15.7	78.3	83.9
	NARAIL	32.5	15.3	65.7	19.1	30.7	23.7	45.5	7.8	18.6	73.9	5.1
	PATUAKHALI	28.0	21.0	66.0	13.0	10.0	33.0	57.0	9.0	82.0*		2.0
	PEROJPUR	36.7	13.8	65.8	20.4	46.4	17.5	36.2	8.9	22.3	68.7	3.4
	SATKHIRA	11.5	27.3	55.7	17.0	27.5	29.6	43.0	6.6	36.1	57.4	61.8
RAJSHAHI												
	BOGRA	16.5	18.5	51.5	29.7	23.6	28.0	48.3	19.9	17.2	62.7	26.5
	DINAJPUR	17.9	22.6	56.9	20.4	52.3	25.7	22.1	7.1	34.9	57.9	37.3
	GAIBANDHA	20.7	34.0	49.3	16.7	19.4	30.9	49.6	10.3	32.2	57.5	9.0
	JOYPURHAT	8.7	12.9	52.2	34.9	37.0	33.3	29.6	4.6	37.9	57.5	51.0
	KURIGRAM	19.9	24.2	22.7	53.1	30.3	26.3	43.4	27.6	72.4	0.0	78.3
	LALMONIRHAT	19.1	32.9	48.4	18.7	41.5	27.3	31.2	6.2	34.2	59.6	76.5
	NAOGAON	10.0	23.8	55.5	20.7	33.9	47.5	18.5	7.7	53.2	39.1	42.3
	NATORE	12.6	17.9	47.6	34.5	26.8	28.2	45.0	20.6	79.3	0.0	71.6
	NILPHAMARI	36.4	27.3	57.0	15.7	41.2	41.2	17.6	35.2	35.2	29.7	3.3
	NOWABGANJ	19.20	14.90	56.60	28.60	14.80	28.10	57.10	12.30	21.80	65.90	61.20
	PABNA	15.00	28.00	53.50	28.50	50.20	17.80	31.80	19.40	80.40	0.00	68.30
	PANCHAGARH	30.40	35.20	56.10	8.60	52.90	20.90	26.20	11.70	34.80	63.50	3.30
	RAJSHAHI	19.90	17.30	54.50	28.30	41.50	20.80	37.60	21.60	33.00	45.40	48.20
	RANGPUR	26.70	15.70	63.20	21.10	39.40	37.60	23.00	33.40	35.40	31.00	1.60
	SHERAJGANJ	37.10	40.00	49.70	10.40	37.20	22.10	40.60	12.00	19.50	68.40	1.80
	THAKURGAON	38.40	22.00	64.10	13.80	37.90	30.10	32.00	2.10	24.00	74.00	12.80

* grouping is 4 - 6, 7+ months

HEALTH *(all figures in percent)*

DIVISION	DISTRICT	Last Pregnancy Delivered by			Place of Last Delivery		Diarrhoea	Diarrhoea Treated by				Treatment Given		
		Trained	Untrained Worker	Other	Health Center	Home	Diarrhoea Last 15 Days (under Five)	Health Worker	Private Practitioner	Other	No Treatment	ORS	ORT	Medicines Only
CHITTAGONG														
	BRAHMANBARIA	4.1	68.2	27.6	0.6	99.4	22.1	10.5	55.3	44.7	27.8	9.3	37.1	24.1
	CHANDPUR	8.1	60.8	35.8	3.9	92.6	29.2	16.0	40.6	34.9	20.8	4.2	70.8	4.7
	CHITTAGONG	4.1	56.8	39.0	2.2	97.8	29.6	25.0	32.6	23.9	14.1	42.4	16.2	42.4
	COMILLA	5.3	65.7	29.0	2.4	97.6	24.5	15.0	67.5	17.5	25.5	7.3	58.1	20.0
	COX'S BAZAR	3.1	94.2	2.7	2.7	97.3	16.0	28.3	37.0	47.9	34.3	10.0	25.7	30.0
	FENI	9.0	79.5	11.4	0.0	99.4	44.4	21.8	59.8	18.3	3.3	12.2	67.7	16.7
	HABIGANJ	4.8	78.8	16.4	1.8	98.2	21.0	11.4	60.0	34.2	22.4	10.2	38.7	22.4
	LAKSHMIPUR	5.7	60.8	33.6	0.0	98.9	37.0	13.7	63.0	27.4	13.1	14.3	53.6	19.0
	MOULVIBAZAR	24.8	63.1	12.1	2.0	96.6	19.3	26.0	40.0	43.0	22.0	24.4	26.8	24.4
	NOAKHALI	3.0	52.1	56.4	1.5	96.5	32.0	8.2	39.3	37.1	18.5	9.6	70.4	7.4
	SUNAMGANJ	17.2	34.4	48.4	8.1	91.4	20.5	0.0	68.0	32.0	33.8	13.2	22.0	29.4
	SYLHET	5.1	49.7	45.1	1.7	98.3	17.8	33.4	41.0	25.6	11.1	42.2	31.0	13.3
DHAKA														
	DHAKA	17.6	56.1	25.8	5.9	93.8	11.2	9.1	59.1	31.8	17.9	10.7	46.4	25.0
	FARIDPUR	6.8	53.2	39.7	0.0	100.0	15.0	21.3	60.7	21.4	32.5	12.5	55.0	0.0
	GAZIPUR	6.4	24.9	68.6	2.1	89.3	14.2	45.9	27.0	32.4	0.0	21.9	64.8	13.5
	JAMALPUR	12.7	35.2	52.1	1.8	97.6	20.7	21.4	53.6	35.7	30.0	12.5	35.0	22.5
	KISHORGANJ	5.2	25.9	68.9	0.0	99.5	22.2	7.1	69.0	28.6	24.5	24.0	15.9	35.1
	MADARIPUR	7.4	67.3	25.3	0.8	98.8	18.4	20.0	60.0	20.0	29.6	3.7	38.9	27.8
	MANIKGANJ	27.0	56.6	15.6	2.9	97.1	23.5	21.9	59.5	24.3	30.9	13.3	39.2	13.8
	MUNSHIGANJ	16.1	33.9	50.0	2.8	96.7	13.9	17.9	46.4	39.3	10.0	20.0	33.4	36.7
	MYMENSINGH	2.0	66.0	32.0	0.0	100.0	29.0	4.0	89.0	30.0	23.0	24.0	40.0	39.0
	NARSINGDI	3.5	28.2	68.2	1.2	95.9	21.3	22.0	62.0	17.0	22.7	20.8	24.6	32.1
	NARAYANGANJ	13.1	42.9	44.0	2.9	97.1	12.2	24.0	52.0	40.0	3.6	32.1	42.8	14.3
	RAJBARI	8.1	54.6	37.3	2.3	88.5	14.9	17.9	57.1	28.6	34.1	13.6	45.5	40.9
	SHERPUR	5.1	42.3	52.6	1.3	98.4	12.9	40.0	50.0	25.0	30.6	11.1	33.5	11.1
	TANGAIL	9.2	50.8	40.0	1.5	98.1	12.0	14.8	63.0	29.6	15.6	6.3	65.2	12.8
	NETROKONA	14.0	26.0	61.0	1.0	99.0	19.0	19.0	28.0	53.0	29.0	14.0	15.0	41.0
	GOPALGONJ	11.0	35.0	54.0	4.0	82.0	26.0	10.0	36.0	32.0	21.0	33.0	18.0	23.0
	SHARIATPUR	3.0	34.0	63.0	3.0	94.0	17.0	14.0	19.0	37.0	36.0	22.0	22.0	31.0

DIVISION	DISTRICT	Last Pregnancy Delivered by			Place of Last Delivery		Diarrhoea	Diarrhoea Treated by				Treatment Given		
		Trained	Untrained Worker	Other	Health Center	Home	Diarrhoea Last 15 Days (under Five)	Health Worker	Private Practitioner	Other	No Treatment	ORS	ORT	Medicines Only
KHULNA														
	BARISAL	9.7	30.3	60.0	3.4	95.4	26.3	23.1	60.0	20.6	23.5	25.5	35.5	15.7
	BHOLA	6.9	20.8	72.3	1.2	98.3	33.5	31.1	40.0	42.2	31.9	20.3	31.8	7.2
	CHUADANGA	6.1	13.3	80.6	3.3	95.6	20.3	9.1	59.1	36.4	25.0	19.4	22.3	30.6
	JESSORE	6.3	44.7	49.0	2.4	97.6	21.7	23.3	62.8	37.2	21.8	14.5	23.6	40.0
	JHALKATHI	4.2	47.0	48.8	0.6	97.6	32.6	32.7	44.2	27.0	23.2	30.4	26.0	18.8
	JHENAIDAH	3.3	42.6	54.1	1.6	97.8	25.7	29.0	48.4	29.0	35.4	25.0	23.0	14.6
	KUSHTIA	4.6	39.3	56.1	1.7	97.7	25.8	50.0	41.1	12.5	0.0	53.6	19.7	26.8
	MAGURA	8.4	50.6	41.0	2.8	97.2	24.5	29.4	52.9	26.4	31.4	27.5	27.4	17.6
	MEHERPUR	13.5	17.6	68.9	5.7	93.8	19.2	25.0	60.0	20.0	48.6	16.2	24.3	10.8
	NARAIL	13.0	44.6	42.3	1.1	98.3	18.5	39.3	42.9	21.4	30.0	20.0	30.0	25.0
	PEROJPUR	13.6	24.5	61.9	1.1	98.4	24.8	29.2	51.2	24.4	26.8	17.9	26.9	28.6
	SATKHIRA	6.0	57.8	36.3	0.8	98.8	19.3	82.5	67.5	20.0	23.1	9.6	21.0	46.2
	KHULNA	7.0	53.0	40.0	1.0	96.0	21.0	19.0	42.0	39.0	9.0	68.0	2.0	31.0
	PATUAKHALI	1.0	25.0	74.0	1.0	92.0	35.0	16.0	54.0	30.0	28.0	26.0	4.0	42.0
	BAGERHAT	6.0	39.0	55.0	1.0	97.0	28.0	18.0	50.0	32.0	23.0	38.0	6.0	33.0
	BARGUNA	4.0	35.0	61.0	2.0	89.0	35.0	9.0	60.0	31.0	32.0	24.0	1.0	44.0
RAJSHAHI														
	BOGRA	5.3	21.2	72.6	2.0	93.7	23.6	11.7	42.3	38.9	30.5	18.6	53.4	10.1
	DINAJPUR	20.1	60.4	19.5	4.4	95.0	15.0	16.0	56.0	36.0	16.7	6.7	40.0	36.7
	GAIBANDHA	5.4	35.5	59.0	0.6	93.4	26.5	12.8	48.9	44.7	24.4	11.1	31.8	31.7
	JOYPUKHAT	3.5	46.9	49.6	0.8	99.2	15.2	39.1	52.2	13.0	19.4	12.9	48.5	19.4
	KURIGRAM	4.5	19.3	76.5	0.5	98.6	24.2	20.0	42.0	38.0	28.6	34.9	47.6	25.4
	LALMONIRHAT	12.8	51.8	35.4	0.6	98.2	20.4	25.0	50.0	50.0	10.2	8.2	69.3	12.2
	NAOGAON	4.2	30.5	65.2	0.4	99.6	20.5	35.7	53.6	10.7	31.9	20.3	37.6	7.2
	NATORE	11.8	34.2	65.5	2.0	94.7	20.9	18.2	60.6	21.2	32.7	34.7	38.8	10.2
	NILPHAMARI	16.0	19.3	64.6	1.7	97.2	17.0	18.0	73.0	21.0	14.9	25.5	38.3	19.1
	NOWABGANJ	6.5	68.1	25.4	0.8	92.7	22.4	21.1	57.9	29.0	41.4	5.7	19.9	32.9
	PABNA	16.8	47.5	46.2	1.5	96.8	23.2	13.9	36.0	26.5	46.9	28.1	37.5	0.0
	PANCHAGARH	15.6	24.4	60.0	2.8	95.0	14.8	6.0	33.0	60.0	13.2	15.8	36.8	28.9
	RAJSHAHI	8.2	41.8	50.0	2.7	92.6	23.6	32.6	60.5	18.7	35.4	25.0	20.9	14.6
	RANGPUR	4.9	30.8	64.3	2.7	96.7	17.0	11.0	53.0	39.0	20.5	20.5	25.0	31.8
	SHERAJGANJ	1.7	42.8	55.5	0.6	92.5	36.0	29.1	60.0	18.1	25.0	14.5	31.4	27.6
	THAKURGAON	7.8	27.2	65.0	4.4	94.4	19.8	37.0	21.0	44.0	10.5	35.1	22.8	28.1

WATER & SANITATION *(all figures in percent)*

DIVISION	DISTRICT	Source of Drinking Water				Source of Water for Household Work				Type of Latrine				Hand Washing After Defecation			
		Tubewell	Pond	River	Other (incl.well)	Tubewell	Pond	River	Other (incl.well)	Waterseal	Pit	Hanging	Other (incl.none)	Water Only	Water and soap	Water and ash/soil	Other
CHITTAGONG																	
	BRAHMANBARIA	92.9	2.4	1.8	2.9	16.8	68.8	18.2	2.7	8.2	22.9	68.8	5.9	62.9	7.6	36.5	1.2
	CHANDPUR	98.8	1.5	0.8	2.3	98.8	1.5	0.8	2.3	11.2	18.1	52.7	15.0	53.8	35.8	22.7	6.5
	CHITTAGONG	91.1	0.4	0.0	8.5	9.2	83.7	0.0	7.1	10.2	5.8	73.8	10.2	50.8	20.6	20.6	8.0
	COMILLA	94.7	2.4	3.0	2.4	11.6	80.5	9.8	0.9	17.2	23.7	57.4	6.5	54.4	11.8	38.5	0.0
	COX'S BAZAAR	85.8	4.2	1.9	8.5	26.2	53.5	16.9	4.0	8.5	18.1	33.8	40.4	66.5	9.2	25.0	1.5
	FENI	95.8	5.4	0.6	0.6	3.9	95.5	1.2	0.6	5.4	14.5	74.7	7.8	44.0	18.7	38.6	0.0
	HABIGANJ	83.0	11.5	0.6	6.7	11.9	76.7	4.9	8.2	7.3	36.4	41.8	17.6	25.5	9.7	67.3	0.6
	LAKSHMIPUR	98.9	1.7	1.1	0.6	3.2	92.4	4.5	0.6	7.4	30.1	58.0	8.5	33.0	26.7	37.5	2.8
	MOULVIBAZAR	72.5	7.4	1.3	18.8	14.5	52.2	19.5	20.2	8.1	47.0	60.4	31.5	19.5	15.1	70.5	1.3
	NOAKHALI	98.4	3.4	0.0	0.0	8.3	98.2	0.0	0.0	16.2	18.1	56.4	10.0	59.0	19.3	26.2	0.4
	SUNAMGANJ	85.0	8.1	1.1	4.3	15.4	51.1	33.9	3.8	12.4	17.2	64.0	4.3	42.4	12.4	43.5	0.0
	SYLHET	49.7	30.9	8.0	14.3	7.4	62.9	21.4	9.5	8.6	52.0	34.9	8.0	30.9	12.0	60.6	0.0
DHAKA																	
	DHAKA	94.5	3.1	2.0	0.8	60.4	26.4	10.6	2.8	12.5	10.2	73.4	4.3	13.3	12.5	73.8	0.4
	FARIDPUR	95.8	2.5	1.7	0.0	39.7	40.5	20.3	0.4	8.4	41.4	48.9	1.3	16.9	8.4	74.7	0.0
	GAZIPUR	92.3	3.4	0.0	4.1	61.8	20.6	3.4	14.2	12.4	50.2	8.6	30.5	6.9	33.9	62.7	0.4
	JAMALPUR	92.1	0.0	3.0	7.3	65.5	44.9	7.6	10.0	4.8	24.8	10.9	60.6	9.7	9.7	87.9	1.8
	KISHORGANJ	88.1	3.1	6.2	6.2	32.4	33.7	34.7	5.0	7.8	14.5	47.7	35.2	39.9	11.9	53.4	0.0
	MADARIPUR	93.4	3.5	2.7	0.0	29.8	47.3	19.1	3.5	7.4	28.8	63.0	0.8	9.7	7.8	83.3	0.0
	MANIKGANJ	95.1	0.5	2.0	2.9	56.6	25.9	15.6	2.7	10.2	33.2	54.1	2.90	3.9	11.2	85.9	1.0
	MUNSHIGANJ	91.1	1.1	8.3	0.0	15.3	61.8	24.7	0.0	11.1	17.2	66.1	10.0	39.4	19.4	44.4	0.6
	MYMENSINGH	98.0	0.0	2.0	0.0	21.0	55.0	25.0	4.0	4.0	7.0	26.0	63.0	19.0	12.0	77.0	0.0
	NARSINGDI	83.3	1.8	1.2	14.7	62.4	35.9	7.1	21.5	8.8	30.6	58.2	28.80	38.2	29.4	31.8	0.0
	NARAYANGANJ	91.4	0.6	0.6	7.4	30.3	62.4	30.6	4.6	6.9	18.3	74.3	4.0	35.4	30.3	34.9	0.0
	RAJBARI	92.7	3.5	0.8	3.8	48.1	40.4	14.2	6.0	9.6	36.5	37.3	16.5	7.7	12.3	81.5	1.9
	SHERPUR	88.9	0.9	1.7	9.4	66.1	29.2	2.6	19.0	8.5	22.6	29.9	41.0	10.3	9.8	83.0	2.1
	TANGAIL	90.0	1.5	1.5	7.7	55.0	23.1	2.3	20.4	5.4	27.3	40.4	26.9	5.0	8.5	88.1	0.4
	NETROKONA	98.0	2.0	0.0	1.0	36.5	53.5	6.0	4.0	6.0	18.0	19.0	57.0	40.0	12.0	59.0	5.0
	GOPALGONJ	95.0	2.0	1.0	2.0	18.0	32.0	12.0	4.5	11.0	22.0	47.0	21.0	13.0	23.0	64.0	0.0
	SHARIATPUR	96.0	4.0	0.0	1.0	20.5	59.0	20.5	3.5	9.0	15.0	61.0	15.0	45.0	14.0	39.0	3.0

DIVISION	DISTRICT	Source of Drinking Water				Source of Water for Household Work				Type of Latrine				Hand Washing After Defecation			
		Tubewell	Pond	River	Other (incl.well)	Tubewell	Pond	River	Other (incl.well)	Waterseal	Pit	Hanging	Other (incl.none)	Water Only	Water and soap	Water and ash/soil	Other
KHULNA																	
	BARISAL	93.1	5.7	1.7	0.6	4.6	88.0	3.5	5.7	17.8	34.8	44.0	6.9	20.0	6.9	72.0	2.3
	BHOLA	90.8	3.5	5.2	0.6	9.6	78.1	9.2	3.8	6.4	19.7	52.6	22.0	31.2	15.6	56.1	0.6
	CHUADANGA	97.2	1.1	0.0	1.7	73.8	25.2	0.6	0.9	8.3	27.1	11.0	54.7	12.7	8.8	79.6	0.6
	JESSORE	99.2	0.4	0.4	0.4	40.2	55.6	4.2	1.2	8.7	21.7	20.9	51.0	12.6	6.7	82.6	1.2
	JHALKATHI	85.1	8.3	6.0	1.2	7.1	68.4	27.1	1.8	8.9	35.1	48.2	9.5	8.9	16.7	78.0	0.6
	JHENAI DAH	96.7	1.1	0.0	2.2	63.7	29.3	5.5	2.7	9.3	36.1	10.9	45.4	33.3	14.8	57.9	1.1
	KUSHTIA	98.1	0.0	0.0	1.2	75.5	19.1	4.9	3.2	3.5	39.9	22.0	37.0	36.4	10.4	63.6	0.0
	MAGURA	98.3	1.1	1.7	0.0	47.5	46.1	6.8	1.1	9.0	43.8	27.5	21.3	6.7	9.6	83.7	2.2
	MEHERPUR	95.3	0.0	0.5	4.7	62.7	30.3	1.0	7.8	9.3	37.8	9.3	45.1	10.9	7.8	83.9	1.6
	NARAIL	92.1	5.1	2.3	1.7	13.3	55.6	4.2	1.2	7.3	47.5	23.7	23.7	3.4	6.8	91.0	0.6
	PEROJPUR	89.7	4.9	6.5	0.0	6.3	59.8	41.2	1.7	4.9	46.7	33.7	14.1	7.6	21.7	70.1	1.6
	SATKHIRA	90.8	8.0	0.8	0.0	16.6	82.9	0.6	0.4	17.1	21.5	39.0	23.5	10.0	7.6	85.3	0.4
	KHULNA	96.0	2.0	0.0	2.0	7.5	88.5	1.0	3.0	15.0	16.0	62.0	7.0	1.0	49.0	50.0	0.0
	PATUAKHALI	96.0	3.0	1.0	0.0	3.5	83.5	12.0	1.0	14.0	5.0	72.0	9.0	60.0	15.0	24.0	1.0
	BAGERHAT	65.0	34.0	1.0	0.0	5.0	82.5	7.5	5.0	15.0	16.0	61.0	10.0	0.0	26.0	74.0	0.0
	BARGUNA	93.0	5.0	2.0	0.0	4.5	77.0	18.5	0.0	17.0	9.0	71.0	3.0	55.0	17.0	27.0	1.0
RAJSHAHI																	
	BOGRA	100.0	0.0	0.0	99.0	66.2	21.0	4.2	0.8	20.3	33.2	11.2	34.8	0.8	35.6	68.5	0.8
	DINAJPUR	91.8	0.6	0.6	8.2	69.5	16.5	0.0	16.1	13.8	5.7	4.4	76.7	30.8	13.8	54.7	4.4
	GAIBANDHA	96.4	0.0	1.2	3.0	73.5	11.5	7.5	57.9	6.0	36.1	16.3	43.4	23.5	16.9	66.3	3.0
	JOYPU RHAT	98.8	0.4	0.0	1.2	76.4	22.1	1.8	0.0	5.5	11.0	3.5	79.5	48.4	7.1	45.3	0.8
	KURIGRAM	98.1	0.4	0.0	1.4	58.3	15.3	24.2	2.3	6.9	22.3	6.9	63.9	0.5	14.4	80.4	4.7
	LALMONIRHAT	77.4	0.0	0.0	24.4	59.5	8.9	4.3	30.8	10.4	20.1	11.6	61.6	24.4	12.2	66.5	1.8
	NAOGAON	94.9	2.5	0.0	2.5	34.8	60.4	3.4	1.5	10.6	4.7	11.0	74.6	50.4	4.2	41.1	8.1
	NATORE	98.4	0.0	0.0	2.8	50.2	41.7	4.8	6.8	18.1	33.3	16.9	31.7	8.9	21.1	73.2	2.4
	NILPHAMARI	63.0	0.6	0.0	35.9	35.8	4.2	0.6	60.0	2.9	13.8	3.9	79.6	27.6	7.2	63.0	2.2
	NOWABGANJ	91.2	0.8	0.0	8.1	57.0	24.6	11.4	7.1	10.0	15.8	21.9	52.3	31.5	5.8	60.8	3.1
	PABNA	95.3	95.3	0.0	0.4	47.0	28.3	15.5	9.3	8.6	12.5	49.0	29.0	11.0	12.5	91.8	0.4
	PANCHAGARH	74.0	1.1	1.1	23.9	46.1	3.9	2.0	48.6	8.4	24.5	5.0	62.2	47.2	17.8	33.3	1.7
	RAJSHAHI	83.6	4.7	1.6	9.8	19.6	60.4	4.7	1.5	11.7	25.0	23.0	40.6	22.7	7.8	70.3	0.8
	RANGPUR	78.0	0.00	0.0	22.0	47.8	8.5	0.5	31.4	3.8	11.5	4.4	80.2	17.5	7.1	74.2	1.1
	SHERAJGANJ	96.5	0.6	0.6	2.3	65.0	21.1	6.4	8.4	2.9	20.8	63.6	13.3	15.6	10.4	74.6	0.0
	THAKURGAON	90.0	0.6	1.1	7.8	82.8	1.2	1.1	11.1	6.7	15.6	6.1	70.6	49.1	21.7	27.8	0.0

EDUCATION

DIVISION	DISTRICT	Enrollment 6-10 Years		Attendance Last 3 Days		Primary Education		STUDENT	STUDENT/ SCHOOL	LITERACY ALL AGES%
		BOYS%	GIRLS%	BOYS%	GIRLS%	SCHOOL	TEACHER			
CHITTAGONG										
	BRAHMANBARIA	75.0	65.1	29.9	44.8	843	3813	237912	282	19.1
	CHANDPUR	81.9	81.5	37.0	31.6	927	4491	292329	315	29.0
	CHITTAGONG	91.9	81.9	55.3	60.3	1910	10085	666190	349	33.2
	COMILLA	71.8	65.1	41.5	48.2	1550	7690	544952	352	25.3
	COX'S BAZAAR	75.7	74.6	74.1	74.0	448	2171	156832	350	15.0
	FENI	77.3	74.7	50.0	56.4	466	2082	182372	391	29.9
	HABIGANJ	77.9	79.6	40.0	42.2	838	2784	147076	176	18.9
	LAKSHMIPUR	67.3	71.7	66.1	60.6	593	2456	162376	274	25.5
	MOULVIBAZAR	68.0	70.0	36.1	43.4	818	2635	183351	224	23.1
	NOAKHALI	71.0	73.0	22.7	15.3	887	3554	274782	310	28.0
	SUNAMGANJ	82.0	69.0	52.9	50.0	990	3042	165963	168	17.2
	SYLHET	87.2	75.5	67.1	59.4	1242	4032	291439	235	25.4
DHAKA										
	DHAKA	67.5	69.3	71.6	82.9	959	5742	445331	464	43.4
	FARIDPUR	71.0	62.7	53.4	58.1	649	2608	168554	260	21.4
	GAZIPUR	87.6	85.4	62.2	74.0	589	2732	179174	304	28.8
	GOPALGONJ	78.0	73.0	66.0	56.0	617	2446	147166	239	29.9
	JAMALPUR	55.1	43.6	53.2	55.3	715	2657	162481	227	16.3
	KISHORGANJ	56.3	56.1	66.7	62.3	930	3870	196076	211	16.4
	MADARIPUR	71.4	76.3	55.4	61.0	514	2085	121373	236	22.7
	MANIKGANJ	67.4	58.9	54.5	64.2	538	2400	147524	274	21.8
	MUNSHIGANJ	78.2	75.0	67.1	54.0	543	2254	158426	292	28.7
	MYMENSINGH	64.0	65.0	46.0	49.0	1582	5748	359301	227	19.3
	NARSINGDI	64.0	70.0	67.7	71.7	625	2861	176208	282	23.1
	NARAYANGANJ	72.1	71.7	43.9	56.6	529	2379	178322	337	32.6
	NETROKONA	58.0	59.0	50.0	50.0	756	3060	194362	257	18.1
	RAJBARI	64.8	59.0	72.7	74.2	316	1273	82434	261	21.2
	SHARIATPUR	79.0	78.0	57.0	68.0	507	1652	89781	177	19.2
	SHERPUR	61.7	62.4	39.8	44.9	437	1686	117164	268	14.7
	TANGAIL	63.2	56.8	55.4	52.6	1124	4885	311447	277	23.6

		Enrollment 6-10 Years		Attendance Last 3 Days		Primary Education				
DIVISION	DISTRICT	BOYS	GIRLS	BOYS	GIRLS	SCHOOL	TEACHER	STUDENT	STUDENT/ SCHOOL	LITERACY ALL AGES
KHULNA										
	BAGERHAT	87.0	91.0	62.0	56.0	830	3136	145027	175	34.6
	BARGUNA	85.0	87.0	53.0	51.0	515	2230	117983	229	31.7
	BARISAL	73.4	73.6	62.3	61.0	1197	5053	302100	252	34.1
	BHOLA	70.0	67.6	56.1	56.9	1249	2264	157137	126	17.7
	CHUADANGA	68.3	66.3	66.2	67.2	309	1332	98313	318	20.4
	JESSORE	77.3	82.5	55.4	61.2	853	2967	240011	281	26.0
	JHALKATHI	73.5	75.9	50.0	54.2	445	1851	107943	243	40.7
	JHENAI DAH	67.3	75.0	52.6	57.8	513	2218	186839	364	20.7
	KHULNA	92.0	91.0	78.0	77.0	855	3686	240430	281	34.6
	KUSHTIA	57.7	51.8	57.7	43.8	536	1900	181448	339	20.6
	MAGURA	56.1	62.2	61.2	48.1	332	1423	107424	324	21.6
	MEHERPUR	75.7	71.3	62.1	67.3	193	776	58653	304	18.4
	NARAIL	70.2	58.4	56.3	64.8	359	1591	86517	241	27.0
	PATUAKHALI	82.0	87.0	48.0	61.0	914	3706	175137	192	28.5
	PEROJPUR	81.1	78.1	49.3	47.5	774	3129	124311	161	39.2
	SATKHIRA	79.1	75.4	60.7	66.7	755	2953	156617	207	23.1
RAJSHAHI										
	BOGRA	85.0	72.8	55.8	54.0	1155	4590	298700	259	22.0
	DINAJPUR	69.8	69.0	54.4	50.0	1100	4183	278121	253	22.5
	GAIBANDHA	63.1	63.6	67.3	66.7	920	3538	199418	217	18.4
	JOYPURHAT	72.3	60.7	60.0	81.6	317	1229	74082	234	23.4
	KURIGRAM	74.8	60.8	43.7	28.7	698	3032	169728	243	NA
	LALMONIRHAT	68.5	67.6	63.3	67.7	381	1485	94922	249	18.2
	NAOGAON	60.9	65.5	44.2	65.1	961	3722	202384	211	22.0
	NATORE	78.6	78.3	31.1	35.1	491	2084	133521	272	20.4
	NILPHAMARI	69.0	61.0	44.6	43.5	577	2224	130181	226	17.0
	NOWABGANJ	66.8	75.0	57.8	68.5	497	2183	102730	207	17.6
	PABNA	73.5	71.6	55.0	52.5	849	4178	245026	289	20.9
	PANCHAGARH	76.0	72.0	54.8	63.8	385	1444	85337	222	23.7
	RAJSHAHI	77.0	70.3	71.4	68.2	696	2834	203921	293	23.4
	RANGPUR	62.0	56.0	31.3	50.0	820	3381	203079	248	20.6
	SHERAJGANJ	62.3	54.0	64.9	56.9	1084	4807	255671	236	19.4
	THAKURGAON	82.0	72.0	61.3	61.0	532	1887	126452	238	21.6



A N N E X U R E S

- I METHODOLOGY
- II DEFINITIONS USED
- III ABBREVIATIONS USED

Bangladesh Demographic Survey and Vital Registration System (BDSVRS)

Bangladesh Demographic Survey and Vital Registration System has been conducting survey throughout the country taking 210 Primary Sampling Units (PSU) of which 150 in rural and 60 in urban areas since 1980. Each PSU consists of around 250 households. A total of 55172 households consisting of 309342 population (0.31% of total population) with a sex ratio of 107 were covered in 1987. On an average an enumeration area consisted of 263 households and 1473 population. Cantonments, institutions like hotels, barracks, jails, etc. were excluded from the preview of the survey. De jure definition of population was followed.

Cluster sampling simplifies field work and is generally used for dual record operations. Considering these along with other operational advantages, stratified cluster sampling of equal size has been adopted for BDSVRS as households as the ultimate sampling units.

Definition

The PSU definition is based on the mauza or mahalla. A BDSVRS PSU is defined as a compact area of approximately 250 households. A mauza is a defined area in rural Bangladesh and synonymous with single village about 80% of the time. In urban areas the equivalent is the urban mahalla. A small mauza or mahalla was combined with a randomly selected geographically adjacent mauzas/mahallas.

Urban Areas

The urban universe consisted of the four Statistical Metropolitan Areas (SMAs) of Dhaka, Chittagong, Khulna and Rajshahi, and seventy one other pourashavas (municipalities). These areas contained a 1981 population of 9.3 million or about 10.3% of the population of the country. For sampling purposes, the urban universe was divided into the six primary strata as four SMAs, other large cities and other small cities. PSUs were then allocated to each of the urban strata in proportion to the number of households contained in each stratum. As a result, the 560 PSUs were distributed in 27 different cities, the 4 SMAs, 9 other large cities and 14 small cities. In addition to the six primary strata, a secondary stratification was introduced with each primary stratum. In each of four SMAs PSUs were stratified geographically by cities, then the cities were grouped into districts and then districts were grouped into divisions. After this secondary stratification was accomplished within each primary stratum, then the sample PSUs were determined by means of systematic sampling with probability proportional to number of households.

Rural Areas

Rural universe consisted of all areas of the country not included in the urban universe. The 150 rural PSUs were selected from 150 rural strata of about equal population size, i.e., one sample PSU per stratum. Each rural stratum consisted of one whole Thana or a group of contiguous Thana with the restriction that rural strata boundaries could not cross district boundaries.

Sampling Plan of Rapid Assessment Technique

To collect the data for the selected indicators, households (HHs) were used as sampling units. To calculate the sample size the formula used is

$$n = p * (1-p) * Z * Z / (e * e)$$

where, p = proportion of positive response for the indicator (assumed)

Z = 1.96 (Z-value at 5% level of significance)

e = amount of admissible error in the estimates.

As we have different indicators with different levels of assumed proportion of achievements, sample sizes are calculated for different value of p, the assumed proportion.

Here, p = 0.25 for sanitation, ORS use rate

p = 0.50 for enrollment

p = 0.80 for immunization

To accommodate all possible proportions (25% to 80%) the sample sizes are calculated and the maximum size is taken for consideration. The number of households (i.e., the sample size) required for the estimates at different levels are given below along with the amount of error admissible.

Estimated Sample Sizes (HHs) for District and Divisional Level Estimate of the Selected indicators

Admissible error	Estimate of n assuming p = .25	Estimate of n assuming p = .50	Estimate of n assuming p = .80	n for District level (with design effect)	n for Division level (with design effect)
(i) 5% (.05)	288	384	246	475	600
(ii) 7.5%	128	171	110	220	260
(iii) 10% (.10)	72	96	62	130	150

A design effect of 1.35 was used in this sampling plan. since the design assumes that the variability among the villages within a district is not very much, too much clusters were not essential. To keep the calculations simple it was decided to use 13 clusters, and 10 households from each clusters for the final sample. Thus from every district 13 villages (PSU) were selected using Systematic sampling with probability proportional to size (PPS) (number of HHs according to 1981 census reports). Finally, 10 households were selected at random from the selected villages using some instructions very similar to that in EPI Coverage Survey prescribed by WHO.

Data obtained gives a district level estimate with an admissible error of plus or minus 0.10 from the true value of the proportion of indicator in 95 percent cases. Aggregating the data from different Districts a Divisional level estimate can be found with a higher precision (less than 0.05) and even higher at National level (0.01-.02).

Access and use to sanitary latrines

Proportion of households whose members use sanitary latrines.

Adult literacy rate

Percentage of persons aged 15 and over who can read and write.

Age at weaning

The age when the youngest child (among 1-5 years) started to feed rice regularly.

Contraceptive prevalence

Percentage of married women aged 15-49 currently using contraception.

Coverage of vaccination for measles among 1 year children

It indicates as a proxy for immunization coverage. Proportion of one year children vaccinated for measles.

$$\frac{\text{Number of children vaccinated (1 year)}}{\text{Number of 1 year children}}$$

Coverage of deliveries by trained personnel

Proportion of last delivery assisted by trained personnel.

Coverage with vitamin A

This indicates the proportion of children who were given vitamin A capsule once or more.

Crude Birth Rate (CBR)

Annual number of births per 1,000 population.

Crude Death Rate (CDR)

Annual number of deaths per 1,000 population.

Diarrhoea in last 15 days

The proportion of under five year children suffered from diarrhoea in last 15 days computed as,

$$\frac{\text{Number of under five year children suffered from diarrhoea in last 15 days}}{\text{Total number of under five year children}}$$

Diarrhoea treatment practices

The treatment given to the child suffered from diarrhoea, such as ORS, Laban-gur, Any other fluid prepared at home and Other medicine or no treatment.

Dropout rates by gender

Proportion of 6-10 year boys (and girls) dropped out from the school among those who were enrolled.

Duration of exclusive breastfeeding

The duration of breast feeding exclusively to the youngest of 1-5 year children.

Enrollment rates by gender

Proportion of 6-10 year boys (and girls) enrolled in school.

Infant Mortality Rate (IMR)

Number of deaths of infants under one year of age per 1,000 live births. More specifically this is the probability of dying between birth and exactly one year of age.

Last closed birth interval

The interval between the last two pregnancies resulted in live births.

Life expectancy at birth

The number of years newborn children would live if subject to the mortality risks prevailing for the cross-section of population at the time of their birth.

Maternal mortality rate

Number of deaths of women from pregnancy related causes per 100,000 live births.

Place of delivery

Distribution (proportion) of last delivery by place. It may be in health center/hospital, home, neighbor's house or any other place.

Prevalence of malnutrition

This is measured by proportion of the youngest child among 1-5 year children of the household having the mid upper arm circumference of less than 12.5 cm.

Sources of treatment from diarrhoea

The source, by whom the suffered was/were treated, such as health center/MBBS doctor, village practitioner/quack, FWA/HA, self or any body else.

Total Fertility Rate (TFR)

The number of children that would be born per woman, if she were to live to the end of her child-bearing years and bear children at each age in accordance with prevailing age-specific fertility rates.

Tube well water coverage

The source of water as tube well for all household purposes such as washing clothes, cleaning utensils and drinking.

Under-five mortality rate

Number of deaths of children under five years of age per 1,000 live births. More specifically this is the probability of dying between birth and exactly five years of age.

Use of iodized salt

Proportion of households using iodized salt.

A B B R E V I A T I O N S

BBS	Bangladesh Bureau of Statistics
BDSVRS	Bangladesh Demographic Survey and Vital Registration System
CNS	Child Nutrition Survey
CPS	Contraceptive Prevalence Survey
CSD	Child Survival Development
EPI	Expanded Programme on Immunization
GDP	Gross Domestic Product
GNP	Gross National Product
HES	Household Expenditure Survey
HDS	Health and Demographic Survey
HH	Households
IMR	Infant Mortality Rate
ISRT	Institute of Statistical Research & Training
MMR	Maternal Mortality Rate
ORS	Oral Rehydration Salt
PSU	Primary Sampling Unit
SMA	Statistical Metropolitan Area
SAARC	South Asian Association for Regional Cooperation
SRS	Sample Registration System
U5MR	Under Five Mortality Rate
UN	United Nations
UNICEF	United Nations Children's Fund
UNSTAT	United Nations Statistics Division
WHO	World Health Organization

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