

# Bangladesh

Monitoring the Situation of Children and Women

## Multiple Indicator Cluster Survey 2009

Progotir Pathey  
2009

Volume I: Technical Report



Bangladesh Bureau of Statistics  
Planning Division, Ministry of Planning  
Government of the People's Republic of Bangladesh



United Nations  
Children's Fund





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June 2010



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| Topic                | Indicator                                                                                            | Value in 2009 |      |        | Value in 2006 |      |        | Change between 2006 and 2009 |      |        |
|----------------------|------------------------------------------------------------------------------------------------------|---------------|------|--------|---------------|------|--------|------------------------------|------|--------|
|                      |                                                                                                      | Total         | Male | Female | Total         | Male | Female | Total                        | Male | Female |
| Health and nutrition | Timely initiation of breastfeeding (percentage of newborns breastfed within one hour of birth)       | 50.2          | n.a. | n.a.   | 35.6          | n.a. | n.a.   | 14.6                         | n.a. | n.a.   |
|                      | Under-five mortality rate (number of deaths before the age of five for every 1,000 live births)      | 64.0          | 72.0 | 55.0   | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Infant mortality rate (number of deaths before the age of one for every 1,000 live births)           | 49.0          | 54.0 | 43.0   | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Assistance at delivery (percentage of births attended by skilled health personnel)                   | 24.4          | n.a. | n.a.   | 20.1          | n.a. | n.a.   | 4.3                          | n.a. | n.a.   |
| Education            | Pre-school attendance rate (percentage of children aged 36-59 months)                                | 22.9          | 22.5 | 23.3   | 14.6          | 14.0 | 15.3   | 8.3                          | 8.5  | 8.0    |
|                      | Primary net intake rate (percentage of school-age children attending grade 1)                        | 66.8          | 65.3 | 68.4   | 67.4          | 65.7 | 69.0   | -0.6                         | -0.4 | -0.6   |
|                      | Net attendance rate in primary school                                                                | 81.3          | 80.2 | 82.5   | 81.3          | 78.9 | 83.7   | 0.0                          | 1.3  | -1.2   |
|                      | Net attendance rate in secondary school                                                              | 49.0          | 45.5 | 53.0   | 38.8          | 36.2 | 41.4   | 10.2                         | 9.3  | 11.6   |
|                      | Gender parity index in primary school                                                                | 1.0           | n.a. | n.a.   | 1.1           | n.a. | n.a.   | -0.1                         | n.a. | n.a.   |
|                      | Gender parity index in secondary school                                                              | 1.2           | n.a. | n.a.   | 1.1           | n.a. | n.a.   | 0.1                          | n.a. | n.a.   |
|                      | Proportion of pupils starting grade 1 who reach grade 5                                              | 79.8          | 78.7 | 81.0   | 63.6          | 62.5 | 64.7   | 16.2                         | 8.2  | 16.3   |
|                      | Primary school drop-out rate                                                                         | 1.2           | 1.4  | 1.0    | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Secondary school drop-out rate                                                                       | 3.5           | 3.1  | 3.9    | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Repetition rate in primary school (percentage of children who repeat a grade)                        | 4.8           | 4.9  | 4.8    | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Repetition rate in secondary school                                                                  | 3.7           | 3.8  | 3.6    | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Literacy rate of women aged 15-24 years                                                              | n.a.          | n.a. | 72.0   | n.a.          | n.a. | 69.9   | n.a.                         | n.a. | 2.1    |
|                      |                                                                                                      |               |      |        |               |      |        |                              |      |        |
| HIV and AIDS         | Comprehensive correct knowledge of HIV and AIDS among young women                                    | n.a.          | n.a. | 14.6   | n.a.          | n.a. | 15.8   | n.a.                         | n.a. | -1.2   |
| Environment          | Use of an improved drinking water source: adjusted for arsenic contamination (<50 micrograms/litre)  | 85.5          | n.a. | n.a.   | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Use of an improved sanitation facility*                                                              | 51.5          | n.a. | n.a.   | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Proportion of households having drinking water sources with arsenic level of less than 50 micrograms | 87.4          | n.a. | n.a.   | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |
|                      | Awareness of drinking water source tested for arsenic contamination                                  | 46.7          | n.a. | n.a.   | 62.3          | n.a. | n.a.   | -15.6                        | n.a. | n.a.   |
| Child protection     | Birth registration                                                                                   | 53.6          | 53.4 | 53.7   | 9.8           | 10.1 | 9.6    | 43.8                         | 43.3 | 44.1   |
|                      | Child labour (based on percentage of children aged 6-14 years who are not attending school)          | 2.3           | 2.9  | 1.7    | n.a.          | n.a. | n.a.   | n.a.                         | n.a. | n.a.   |

\* As per the Government of Bangladesh's definition of improved/hygienic sanitation. Coverage has also been calculated using the UNICEF-WHO Joint Monitoring Programme definition and is presented in the relevant chapter.

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## ACRONYMS

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <b>BBS</b>          | Bangladesh Bureau of Statistics                          |
| <b>CRC</b>          | Convention on Rights of the Child                        |
| <b>CSPro</b>        | Census and Survey Processing System                      |
| <b>DK</b>           | Don't know                                               |
| <b>EA</b>           | Enumeration area                                         |
| <b>ECCD</b>         | Early childhood care and development                     |
| <b>EFA</b>          | Education for All                                        |
| <b>GoB</b>          | Government of Bangladesh                                 |
| <b>HIV and AIDS</b> | Human Immune Virus / Acquired Immune Deficiency Syndrome |
| <b>IMR</b>          | Infant Mortality Rate                                    |
| <b>JMP</b>          | Joint Monitoring Programme                               |
| <b>MDG</b>          | Millennium Development Goal                              |
| <b>MICS</b>         | Multiple Indicator Cluster Survey                        |
| <b>U5MR</b>         | Under-five mortality rate                                |
| <b>UNGEI</b>        | United Nations Girls' Education Initiative               |
| <b>UNICEF</b>       | United Nations Children Fund                             |
| <b>WHO</b>          | World Health Organization                                |

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



**PRIME MINISTER**  
**GOVERNMENT OF THE PEOPLE'S**  
**REPUBLIC OF BANGLADESH**

12 Jaishtha 1417  
26 May 2010

## MESSAGE

I welcome the publication of the 10th Multiple Indicator Cluster Survey (MICS) 2009 report prepared by the Bangladesh Bureau of Statistics in collaboration with UNICEF.

I hope that the information contained in this report will help relevant line ministers and departments to conduct equitable resource allocation for balanced development.

We envision a Bangladesh where people live with dignity, social justice, environmental protection, human rights and equal opportunities.

Our endeavour is to achieve the Millennium Development Goals (MDGs) by 2015 and build a country in which all our citizens are free from poverty and inequality, and where their every basic social need is met. Our government is also committed to fulfilling the rights of children and women and building a more prosperous nation.

The government has been working for equitable development nationwide. This survey report will help us realize this commitment by providing information down to upazila level.

I am confident that the report will be useful for policymakers, researchers, administrators and development partners to monitor the progress towards the achievement of MDG targets in Bangladesh.

I wish the MICS 2009 report a total success.

Joi Bangla, Joi Bangabandhu  
May Bangladesh Live Forever

**Sheikh Hasina**

## MESSAGE



I am very pleased that the Bangladesh Bureau of Statistics (BBS) has successfully completed the tenth round of the Multiple Indicator Cluster Survey (MICS) and has prepared this full technical report of the survey. It is worth mentioning that BBS had earlier prepared and presented the preliminary report within a very short span of time of the survey completion. This is the first time that the MICS survey provided information at the upazila (sub-district) level which is encouraging and praiseworthy. The MICS 2009 focused on the Millennium Development Goals (MDGs) indicators related to women and children.

I hope that the report will prove useful to policy makers, planners, researchers, development partners and NGOs in formulating their programmes and strategies for attaining the MDGs placing emphasis on the disadvantaged upazilas.

I would like to express my sincere thanks to the Secretary of the Planning Division, the Director General of BBS and the Project Director of the Monitoring the Situation of Children and Women Project for completing this technical report within the stipulated time.

A handwritten signature in black ink, appearing to read "A.K. Khandker".

**Air Vice Marshal (Retd.) A.K. Khandker B.U**

Minister for Planning

May, 2010

## MESSAGE



The Bangladesh Bureau of Statistics has been conducting the Multiple Indicator Cluster Survey since 1993 in order to provide information on the situation of children and women. The tenth round of the MICS survey was conducted in May 2009. In this round of the survey the sample size has been extended to provide data at the optimal levels (upazila). Twenty three indicators related to children and women of the MICS 2009 survey were used to prepare this report.

The survey results will be very useful to the planners, policy makers, researchers and other stakeholders in formulating appropriate policy measures for achieving the goals and targets of the MDGs by 2015.

I would like to extend my sincere thanks to Mr. Md. Shahjahan Ali Mollah, Director General of BBS and Mr. Md. Shamsul Alam, Project Director of the Monitoring the Situation of Children and Women Project for bringing out this report within a short span of time. I take this opportunity to express our gratitude to Mr. Carel de Rooy, Representative of UNICEF Bangladesh for his technical support and cooperation in undertaking this important survey.

**Md. Habib Ullah Majumder**

Secretary  
Planning Division

May, 2010

# FOREWORD



The Bangladesh Bureau of Statistics, the national statistical organization of the country is responsible for conducting censuses and surveys and for disseminating statistics on a wide of range of economic, social and demographic variables. The Bureau has been conducting the Multiple Indicator Cluster Survey since 1993, with the objective of generating information on the situation of children and women.

The objective of the MICS 2009 was to provide data on children and women related to several MDG indicators at the sub-district (upazila) level to determine the performance at this level in achieving the MDG goals. As such a composite index has been prepared using nine MDG indicators related to children and women. The districts and upazilas were ranked according to their performance in light of the value of the MDG composite index.

I express my sincere appreciation to Mr. Md. Shamsul Alam, Project Director, Mr. Alamgir Hossain, Deputy Director, Md. Abdur Rashid Howlader, Programmer, Mrs. Delwara Begum, Statistical Officer of the Monitoring the Situation of Childfen and Women Project (2nd phase) for their hard work and dedication for completing the survey and preparing this report. Mr. S.M. Anwar Hossain, Statistical Assistant of the project deserves special thanks for data entry and processing. Mr. Carel de Rooy, Representative, Mrs. Siping Wang, Chief of Planning, Monitoring and Evaluation, Mrs. Deqa Ibrahim Musa, Monitoring & Evaluation Specialist, Mr. Mashiur Rahman, Knowledge Management Officer of UNICEF provided valuable support in all stages of the survey. Mrs. Hongxia Zhang, data processing consultant and demographer from UNICEF also provided analytical inputs for data processing and analysis. Mr. Musahar Shaik, local consultant from UNICEF helped in the sample design and training of field personnel. Their contribution is greatly acknowledged.

I hope the report will be very useful to planners and policy makers of the Governemnt and development partners in designing evidence-based polices and programmes targeting the disadvantaged upazilas.

**Md. Shahjahan Ali Mollah**  
Director General

May, 2010



## PREFACE

The purpose of the 2009 Multiple Indicator Cluster Survey (MICS), conducted jointly by the Bangladesh Bureau of Statistics and UNICEF, was to provide disaggregated data on children and women at the national and sub-national levels. The survey was the first attempt ever in Bangladesh by a national household survey to collect data at the sub-district level for a number of key social sector indicators covering the education, environment, health and child protection sectors. This report presents the final analysis of the data for 23 indicators covered by the survey.

I hope the survey findings contribute to Bangladesh's ongoing efforts in monitoring the achievement of the Millennium Development Goals (MDG). The availability of sub-district (upazila) data, in particular provides a robust baseline for the social sectors of the five-year National Development Plan currently being prepared by the government. The same survey will be repeated in 2012 and 2015 to enable the comparison of progress at national and sub-national levels. Over time, individual districts and sub-districts will be able to see how much relative progress they have made in comparison to others. Clear identification of upazilas and districts that perform exceptionally well will be possible so that these can be acknowledged. Likewise, those that under-perform will also be identified so that they can be supported to achieve MDGs with equity.

An issue of great concern emerging from the analysis of the rich data set being made available in this report, are the increasing geographic disparities even whilst averages of several social indicators are improving. Mitigating these disparities and social inequities is a crucial strategic issue that will require increased attention as Bangladesh progresses towards middle income status during the next decade. Failure to do so could constrain poverty reduction efforts and even economic growth.

Several short follow-up studies based on this data will be shared over the forthcoming months related to: the use of a composite social sector index to target low performing geographic areas; disparities in urban areas; gender; governance and other topics.

I hope the report will be useful to policy-makers, elected leaders, researchers and administrators as well as to development partners in developing evidence-based policies and programmes.

UNICEF is committed to continue supporting the Government of Bangladesh in its challenging social development endeavours.



**Carel de Rooy**

Representative  
UNICEF Bangladesh

May, 2010

# MAP OF BANGLADESH

MAP OF BANGLADESH SHOWING  
THE LOCATION AND NUMBER OF  
SAMPLE AREAS



## EXECUTIVE SUMMARY

The Bangladesh Bureau of Statistics (BBS) conducted the tenth round of the Multiple Indicator Cluster Survey (MICS) in May 2009. This round of MICS is characterized by: (1) a questionnaire that is shorter than those used in any previous MICS; (2) a larger sample size; and (3) more disaggregated information, especially data disaggregated by geographic area. The following analysis reflects these characteristics and goes further to explore gender disparity and time trends. The objective is to provide valuable and detailed information to the Government of Bangladesh and its development partners for development planning.

There are a total of 23 indicators derived from MICS 2009. These have been organized under five main chapters in this report: (1) Health and Nutrition; (2) Education; (3) HIV and AIDS; (4) Environment and (5) Child Protection.

## HEALTH AND NUTRITION

### Timely initiation of breast feeding

The percentage of women who started breastfeeding within one hour of birth increased from 36 per cent in 2006 to 50 per cent in 2009. The percentage of women who started breastfeeding within one day of birth also increased, from 82 per cent in 2006 to 89 per cent in 2009. The rate of immediate breastfeeding was higher in 2009 than in 2006 regardless of the level of education attained by mothers or caretakers. Indeed, the level of education seemed to have had little impact on the practice of immediate breastfeeding in 2006 or 2009.

### Child mortality

The infant mortality rate (IMR) is estimated at 49 deaths before the age of one year for every 1,000 live births, while the under-five mortality rate (U5MR) is 64 deaths before the age of five for every 1,000 live births. Girls and urban areas have lower child mortality rates than boys and rural areas. Geographically, the highest IMR was found in Jamalpur district (71 per 1,000) and the lowest in Rangamati district (36). The highest U5MR was found in Jamalpur district (98) and the lowest in Pabna district (44).

### Assistance at delivery

The proportion of births attended by skilled health personnel increased from 20.1 per cent in 2006 to 24.4 per cent in 2009. This percentage was highest in Meherpur (61) district and lowest in Bandarban district, at only 8 per cent.

## EDUCATION

### Pre-school attendance

The pre-school attendance rate increased from 15 per cent in 2006 to 23 per cent in 2009 among children aged 36-59 months. There is a rising trend for both boys and girls, and across all areas. The rate in urban areas was lower than in rural areas in 2006, but this pattern was reversed by 2009. The pre-school attendance rate increased alongside the mothers' or caretaker's education level - a positive relationship that applies to both girls and boys.

### Primary net intake rate

Nationally, 67 per cent of all children of primary school entering age were attending grade 1 at the time of the survey. In rural areas, there were more girls (67 per cent) in grade 1 than boys (63 per cent), in contrast to urban areas where there were more boys (76 per cent) in grade 1 than girls (74 per cent).

### Net attendance rate in primary education

Overall, 81.3 per cent of all children of primary school age in Bangladesh were attending primary or secondary school. In urban areas, 83.9 per cent of all children attended school, compared to 80.8 per cent in rural areas. The highest school attendance rate was found in Meherpur district (91.0 per cent) while the lowest school attendance rate was recorded in Bandarban district (60.6 per cent). At the national level, there is virtually no difference between the rate of primary school attendance for boys and girls.

## **Net attendance rate in secondary education**

The net attendance rate in secondary education has increased from 38.8 per cent in 2006 to 49.0 per cent in 2009. There is a notable difference between net attendance rates at the national level between boys (45.5 per cent) and girls (53.0 per cent).

## **Ratio of girls to boys in primary and secondary education**

In 2009, the ratio of girls to boys in primary education decreased from 1.06 in 2006 to 1.03, while it increased for secondary education, from 1.14 in 2006 to 1.17 in 2009.

## **Reaching grade 5**

The proportion of pupils starting grade 1 who reach grade 5 increased from 63.6 per cent in 2006 to 79.8 per cent in 2009 (78.7 per cent for boys and 81.0 per cent for girls). In slum areas, only 48 per cent of pupils starting grade 1 reached grade 5 in 2009.

## **Drop-out rate**

In 2009, the drop-out rate for both primary and secondary schools was calculated for the first time at both national and sub-national levels.

In both rural and urban areas, boys tended to have a slightly higher drop-out rate in primary school than girls. In rural areas, 1.4 per cent of boys dropped out of primary school, compared with 1.0 per cent of girls. In urban areas, the difference between the drop out rate for boys and girls was about 1 percentage point. The drop-out rate was the highest in slum areas with a rate six times higher than the national level.

Girls were more likely to drop out of secondary school, irrespective of the area in which they lived. In rural areas, 4.1 per cent of girls dropped out of secondary school, which was 1.1 percentage points higher than the drop out rate for boys. In urban areas, the drop-out rate of girls was 3.6 per cent, compared with 3.3 per cent for boys. The rates are much higher for girls in the slums (16.3). For boys, the drop out rate in slums was 10 per cent.

## **Repetition rate**

The repetition rate in primary school was 4.8 per cent nationally. While the rate did not fluctuate a great deal among the different areas, it was slightly higher in rural areas (4.9) than in urban areas (4.6), with slum areas having the highest repetition rate (7.8). There was little visible difference between the repetition rates for girls and boys.

The repetition rate in secondary school was 3.7 per cent. For boys, it was 3.8 per cent compared with 3.6 per cent for girls.

## **Literacy rate of women aged 15-24 years**

By asking women aged 15-24 years to read a short simple statement, the MICS 2009 found that the literacy rate of women aged 15-24 was 72.0 per cent, slightly higher than that of 2006 (69.9).

## **HIV AND AIDS**

The comprehensive and correct knowledge of HIV prevention among women aged 15-24 years has decreased from 15.8 per cent in 2006 to 14.6 in 2009. The knowledge level was higher among urban women than those in rural areas.

## ENVIRONMENT

### Improved water source

Overall, 97.8 per cent of the population used an improved drinking water source, a rate similar to the 97.6 per cent found in 2006. In urban areas, the rate was 99.5 per cent, which was marginally higher than the 97.4 per cent found in rural areas. However, these figures do not reflect arsenic contamination.

### Arsenic level in household drinking water

Taking arsenic contamination into consideration, the proportion of the population using an improved drinking water source is 85.5 per cent (93.3 per cent in urban and 83.8 per cent in rural areas) following the Bangladesh national standard of less than 50 micrograms of arsenic per litre. However, using the WHO guideline for arsenic, of less than 10 micrograms per litre, 75.2 per cent of the population used an improved drinking water source - 85.3 per cent in urban and 73.0 per cent in rural areas.

### Awareness of arsenic contamination

Some 44.1 per cent of household members knew that their water source had not been tested for arsenic contamination. Another 9.2 per cent did not know whether their water source has been tested or not, while another 7.1 per cent of household members knew that their water source has been tested but they did not know the result. About 40 per cent of household members knew their tube-wells had been tested and they were aware of the result.

### Sanitation

Following the Government of Bangladesh's definition, the proportion of the population using an improved hygienic sanitation facility is 51.5 per cent. Within the Divisions, Chittagong shows the best performance with 62 per cent of the population using a hygienic sanitation facility while Sylhet comes bottom with 43 per cent. When the UNICEF-WHO Joint Monitoring Programme (JMP) definition is used, the proportion of the population with access to improved sanitation increases slightly to 54.1 per cent.

## CHILD PROTECTION

### Birth registration

The births of 53.6 per cent of children under five have been registered, an increase of 43.8 percentage points since 2006, when the percentage stood at just 9.8 per cent. This increase cuts across both genders and all areas - rural and urban.

### Child labour

Nationally, child labour (children aged 6-14 years who were not attending school) prevalence stood at 2.3 per cent, 2.9 for boys and 1.7 for girls. In general, child labour prevalence was higher among boys than girls in both rural and urban areas, particularly in the municipality areas. In the areas of city corporations, however, girls seemed more likely to be involved in child labour. The prevalence rate was the highest in slum areas at a total rate of 6.5 per cent.



## INTRODUCTION



## BACKGROUND

This report is based on the 2009 Bangladesh Multiple Indicator Cluster Survey (MICS). Household surveys such as the MICS are the most reliable sources to assess progress towards achievement of the Millennium Development Goals (MDGs) in countries where a routine population census is not available.

The 2009 MICS was conducted by the Bangladesh Bureau of Statistics (BBS). It was designed to collect information to measure Bangladesh's progress in achieving the MDG targets and to update the situation of children and women in Bangladesh. This was the first time in the history of Bangladesh that the survey collected representative data at upazila (sub-district) level.

The results of the 2009 MICS provide valuable and detailed information to the Government of Bangladesh (GoB) as well as its development partners. It will help them to better plan and allocate budget to social sector interventions, in the context of the five-year development plan that is currently being prepared.

## SURVEY OBJECTIVES

The 2009 Bangladesh Multiple Indicator Cluster Survey had four objectives:

- To provide up-to-date and disaggregated information to assess the situation of children and women in Bangladesh
- To provide the data needed to monitor progress towards the achievement of the MDGs as a basis for future action
- To set a baseline for the government at national, district and upazila levels to better assess progress towards achieving the MDGs with equity by 2015 in Bangladesh
- To provide detailed thematic and geographic social sector information that will facilitate prioritization, and better targeting of future investments in the context of the five-year development plan that is being prepared by the government.



## SAMPLE AND SURVEY METHODOLOGY

## SAMPLE DESIGN

The sample for the Bangladesh Multiple Indicator Cluster Survey (MICS) was designed to provide estimates on indicators on the situation of children and women for urban and rural areas, at the national, district and upazila levels. Upazilas were selected as the main sampling domains and the sample was selected in two stages. Within each upazila, 26 census enumeration areas (EA) were selected with probability proportional to size. Within each EA, a segment of 20 households was drawn randomly for survey. The sample was stratified by upazila and is not self-weighting. For reporting national and district level results, sample weights were used. For more information on the sample design, see Annex B.

## QUESTIONNAIRES

The three questionnaires used in the survey can be seen in Annex D. In addition to a household questionnaire used to collect information on all household members, questionnaires were administered in each household to women aged 15-49. Mothers or caretakers of children under the age of five were identified in each household, and were interviewed on the indicators related to that age group. The questionnaires included the following modules:

- **Household Questionnaire**
  - Household listing
  - Education
  - Water and sanitation, including water sample collection for arsenic testing
- **Questionnaire for individual women**
  - Child mortality
  - Attendance at delivery
  - HIV and AIDS
- **Questionnaire for Children Under Five**
  - Birth registration
  - Early learning

The questionnaires are based on the MICS3 model questionnaire developed by UNICEF Headquarters. The questionnaires were translated into Bangla from the English version and pre-tested in March 2009. Modifications were made to the wording and translation of the questionnaires on the basis of the pre-test results.

## FIELDWORK AND PROCESSING

A total of 7,683 interviewers and 1,154 supervisors were trained in April 2009. Fieldwork was undertaken from 28 April to 31 May 2009.

Data were entered on 64 microcomputers using the CSPro software. In order to ensure quality control, all questionnaires were double entered and internal consistency checks were performed. Procedures and standard programmes developed under the global MICS3 project and adapted to the Bangladesh questionnaire were used throughout. Data processing was concluded in October 2009. Data were analysed using the SPSS software program and the model syntax and tabulation plans developed for this purpose.



## SAMPLE COVERAGE AND THE CHARACTERISTICS OF HOUSEHOLD AND RESPONDENTS

## SAMPLE COVERAGE

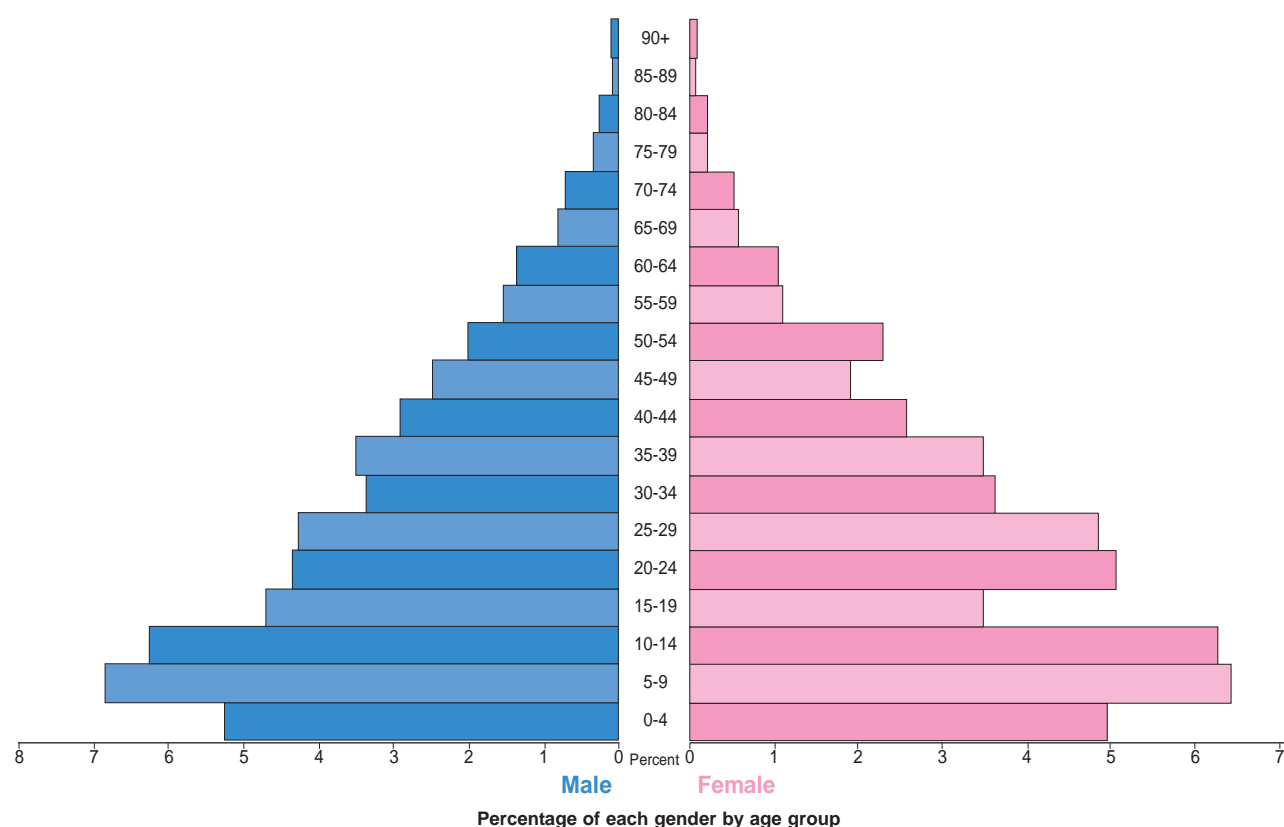
Of the 300,000 households selected for the sample, 299,988 were found to be occupied. Of these, 299,842 were interviewed successfully for a household response rate of 99.9 per cent. In those households interviewed, 336,287 women (age 15-49) were identified. Of these, 333,201 were interviewed, yielding a response rate of 99.1 per cent. In addition, 140,860 children under age five were listed in the household questionnaire. Questionnaires were completed for 139,588 children, corresponding to a response rate of 99.1 per cent. An overall response rate of 99.0 per cent was achieved for women and for children under the age of five (Table 1, Annex A). According to the survey design, water samples were to be collected from 15,000 households for arsenic testing. Some 14,111 water samples were tested, of which 13,301 had correct area codes for the data analysis. This corresponds to an arsenic test rate of 88.6 per cent.

## CHARACTERISTICS OF HOUSEHOLDS

Table 2, Annex A, shows the age and sex distribution of the surveyed population.

The demographic pyramid below shows the age structure of the Bangladesh population. The pyramid consists of two sets of horizontal bar graphs, one for each sex, which indicates the proportion of people in each age group. The pyramid shows that the proportion of males is always larger than that of females, except in those groups aged 20-39 and 90 and above. The proportions of people in three broad age groups: those younger than 15 years, those aged 15 to 64 years and those older than 65 years are similar to the survey conducted in 2006.

**Figure 1:** Age and sex distribution of household population, 2009



iv.

## HEALTH AND NUTRITION

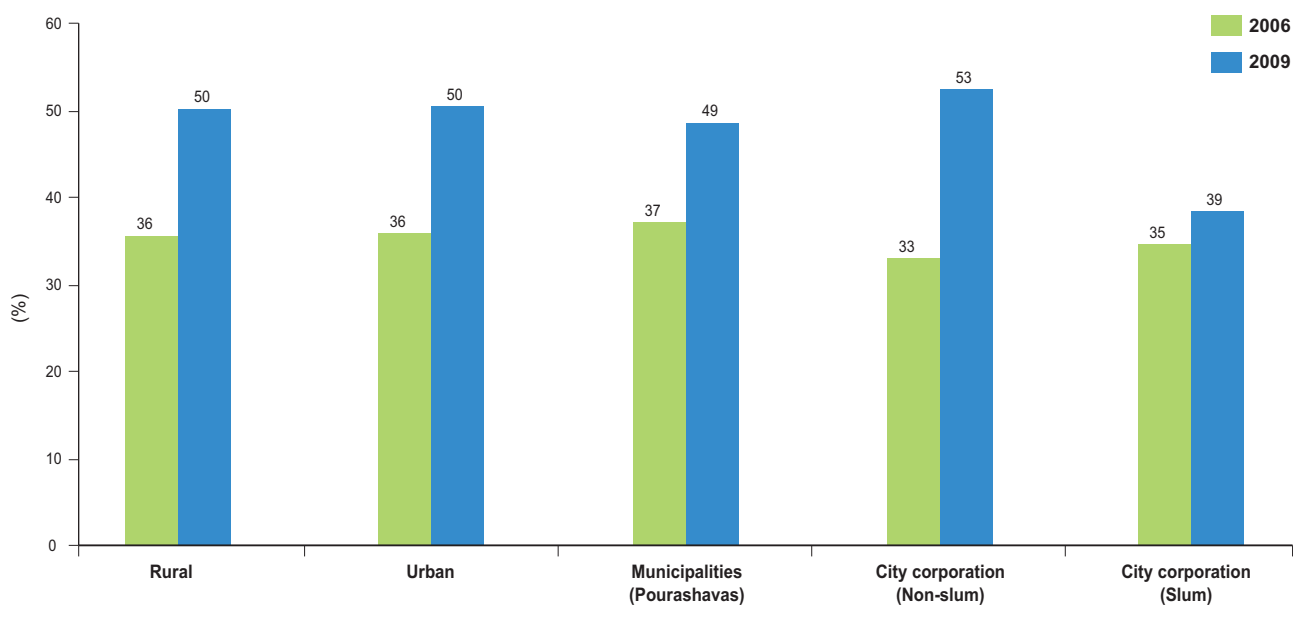
This chapter covers three indicators: breastfeeding, child mortality (which consists of infant mortality and under five mortality rates) and skilled assistance during delivery. Comparisons with the results from MICS 2006 have been drawn where possible so that trends can be seen. Gender and geographic disparities have also been analyzed, providing evidence for targeting of interventions. The following chapters of the report also follow this structure.

## BREASTFEEDING

Essential care methods for newborns include initiation of breastfeeding within one hour of birth, exclusive breastfeeding, controlling infection, keeping the baby warm, and not bathing the baby for the first 24 hours. Breastfeeding is a unique source of nutrition and plays a crucial role in the growth, development and survival of infants. Exclusive breastfeeding for the first six months of life can help protect newborns and infants from disease, reduce the risk of mortality and promote healthy child development.

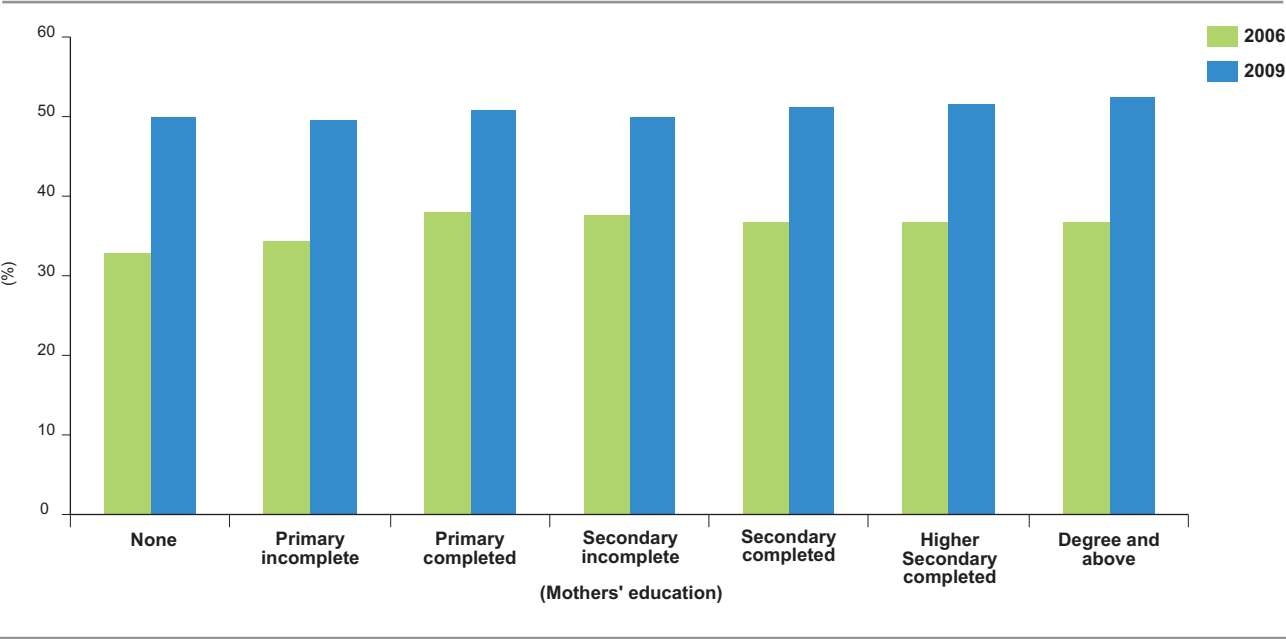
Two indicators have been included in the analysis of breastfeeding in Bangladesh. The first is the percentage of women who start breastfeeding within one hour of birth and the other is the percentage of women who start breastfeeding within one day. The sample consisted of women aged 15-49 years with a birth in the two years preceding the survey.

**Figure 2:** Timely initiation of breastfeeding (within one hour of birth), 2006 and 2009

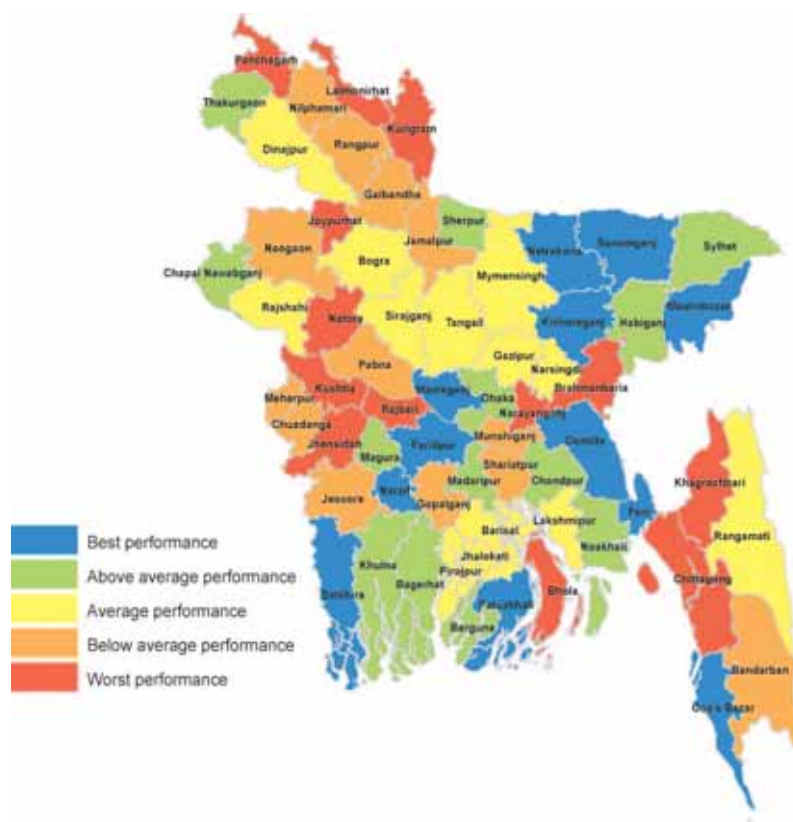
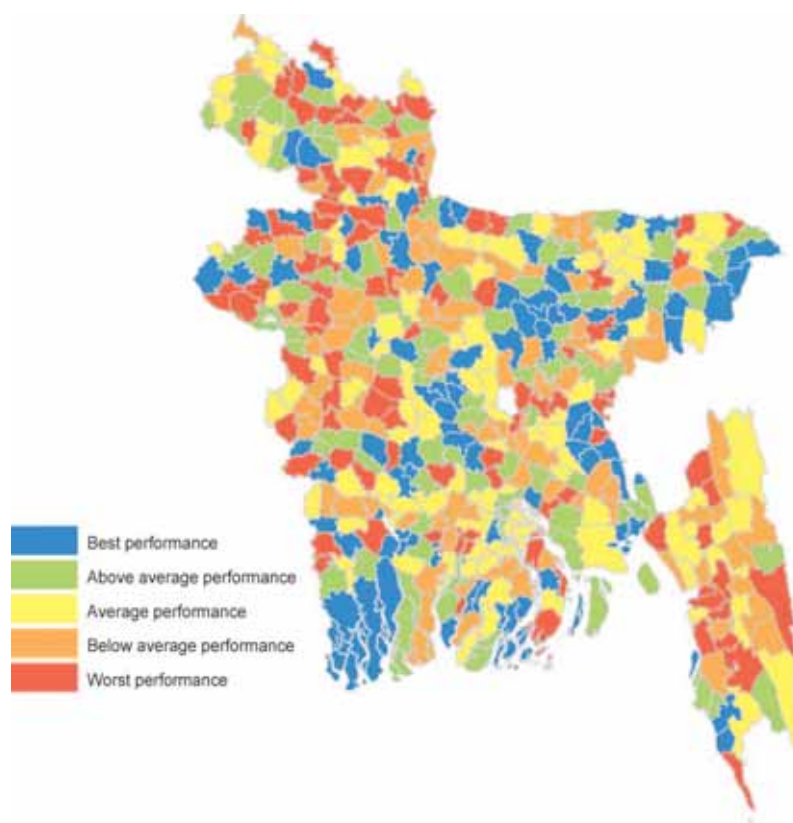


The percentage of women who started breastfeeding within one hour of birth increased from 36 per cent in 2006 to 50 per cent in 2009. Accordingly, the percentage of women who started breastfeeding within one day of birth increased from 82 per cent in 2006 to 89 per cent in 2009. Figure 2 shows that the timely initiation of breastfeeding has improved substantially in all areas, with the exception of slums, which, at 39 per cent, are lagging behind the national average. There was no difference between rural and urban areas in 2006 or 2009. In terms of Divisions, Sylhet remained top in 2009 on both indicators (59.1 and 93.5 per cent respectively). At district level, Maulvibazar and Feni districts had the best performance with 69.1 and 97.1 per cent respectively. From the figure below, it is obvious that the timely initiation of breastfeeding increased in 2009 compared to 2006 at every level of mothers' or caretakers' education. However, the level of education did not seem to affect the timely initiation of breastfeeding in either 2006 or 2009.

**Figure 3:** Timely initiation of breastfeeding by mothers' education, 2006 and 2009



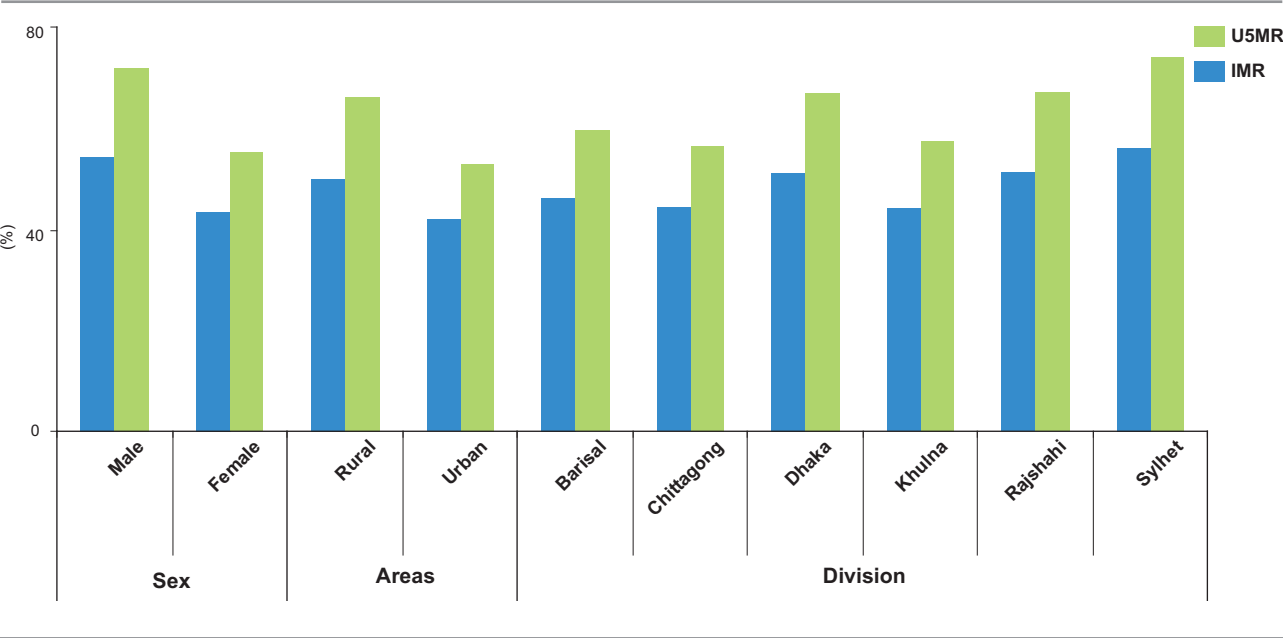


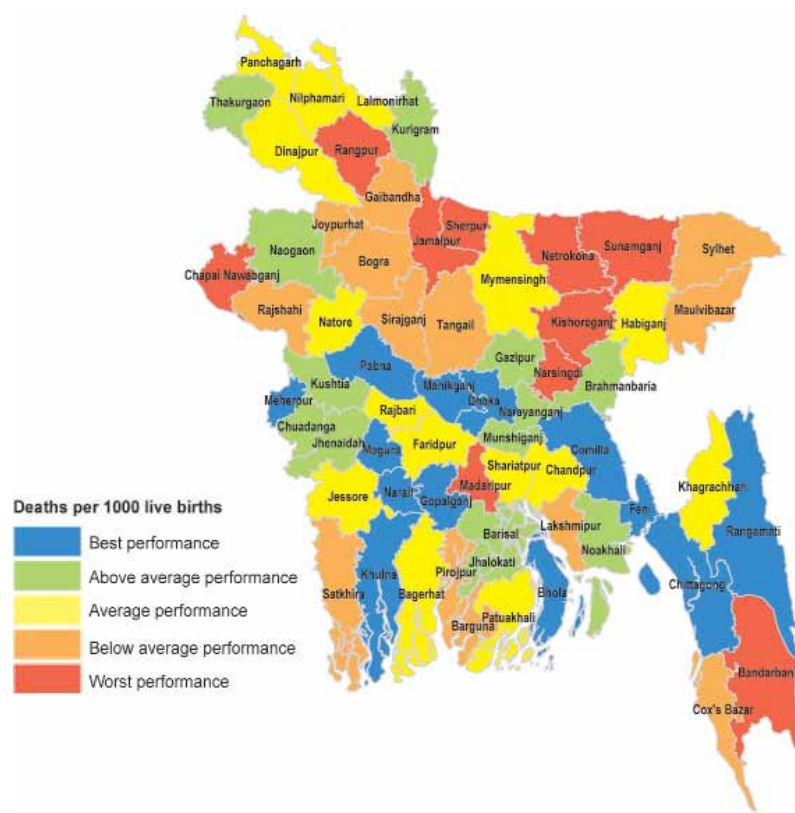
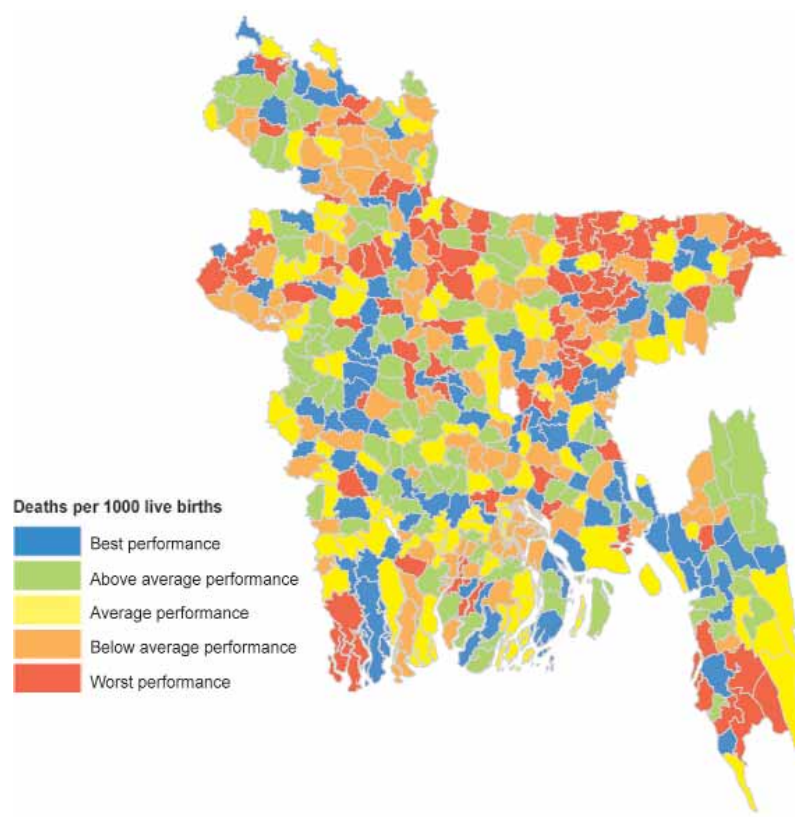
**Map 1a:** Timely initiation of breastfeeding (within one hour of birth) by district, 2009**Map 1b:** Timely initiation of breastfeeding (within one hour of birth) by upazila, 2009

## CHILD MORTALITY

Monitoring progress towards MDG 4 - a two-thirds reduction in child mortality between 1990 and 2015 - is important but challenging. The 2009 Bangladesh MICS used the "indirect method" to measure childhood mortality, including children that had ever been born to women of child bearing age, and children who had died. The MICS 2009 found an IMR rate of 49 per 1,000 live births, while the U5MR is 64 per 1,000 live births. Girls and children in urban areas have lower child mortality than boys or children in rural areas. Geographically, the IMR was the highest in Jamalpur (71) and lowest in Rangamati district (36). The highest U5MR was in Jamalpur (98) and lowest in Pabna district (44).

Figure 4: Infant mortality rate and under-five mortality rate by area, 2009



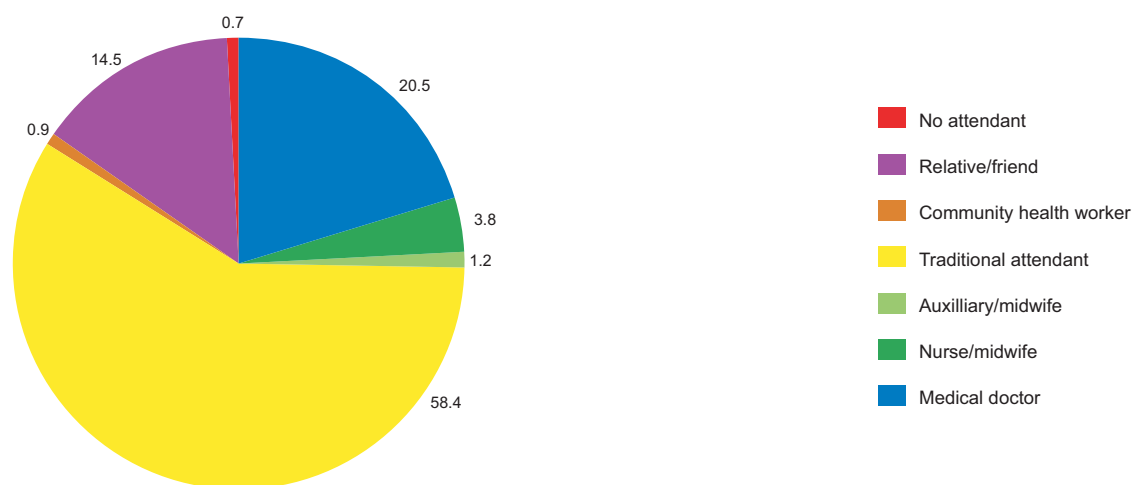
**Map 2a:** Under-five mortality rate by district, 2009**Map 2b:** Under-five mortality rate by upazila, 2009

## REPRODUCTIVE HEALTH

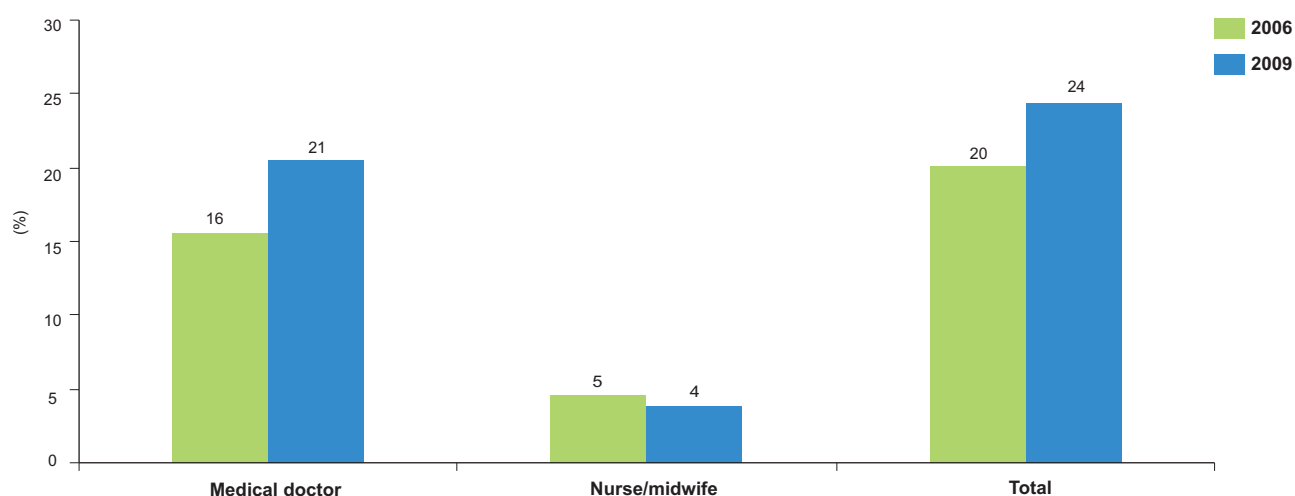
The provision of assistance during delivery by skilled attendants can greatly improve outcomes for mothers and infants by the use of technically appropriate procedures, and accurate and speedy diagnosis and treatment of complications. Having a skilled attendant at delivery is defined as assistance provided by a doctor, nurse, midwife or auxiliary midwife.

About 24.4 per cent of births occurring in the year before the MICS were delivered by skilled health personnel. This percentage is the highest in Mehapur (61) district and lowest in Bandarban district with a rate of only 8 per cent.

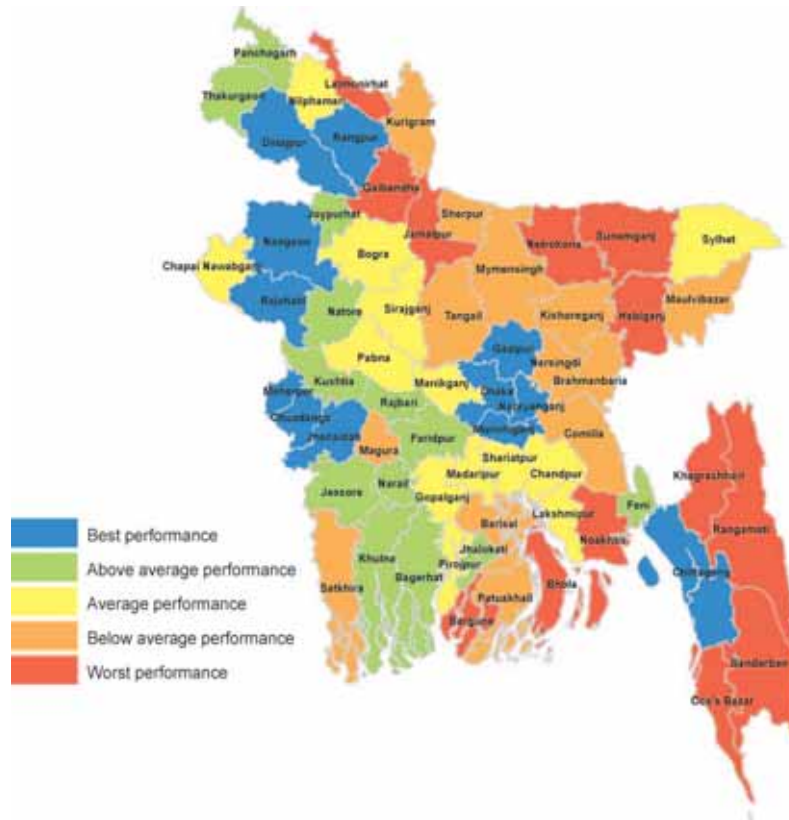
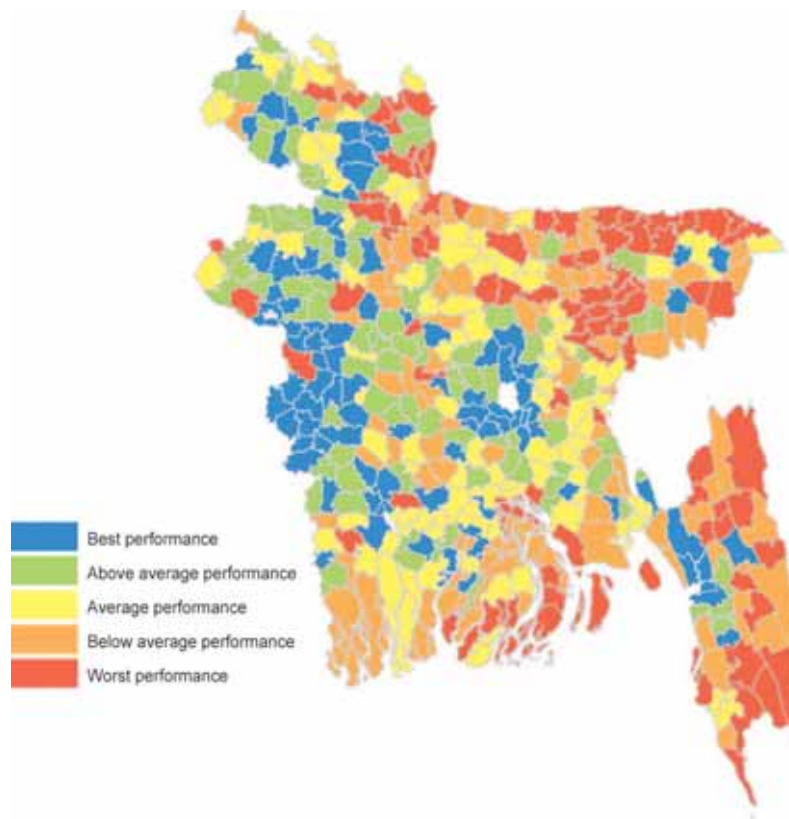
**Figure 5:** Assistance at delivery, 2009



**Figure 6:** Any skilled attendant at delivery, 2006 and 2009



The proportion of births attended by skilled health personnel increased from 20.1 in 2006 to 24.4 per cent in 2009. Figure 6 shows that the proportion of women who had given birth in the two years before the survey who were assisted by a medical doctor increased from 16 per cent in 2006 to 21 per cent in 2009, while there had been a decrease in those assisted by a nurse or midwife (from 5 to 4 per cent).

**Map 3a:** Skilled attendant at delivery by district, 2009**Map 3b:** Skilled attendant at delivery by upazila, 2009

V.

EDUCATION

Early childhood care and development (ECCD) is the first component of basic education. It embraces the full range of organized activities to enable the healthy growth and development of children from birth to eight years of age. This includes activities provided under the supervision of several areas of state responsibility, such as education, health, nutrition and social welfare.

The MICS 2009 provided data on pre-school attendance rate.

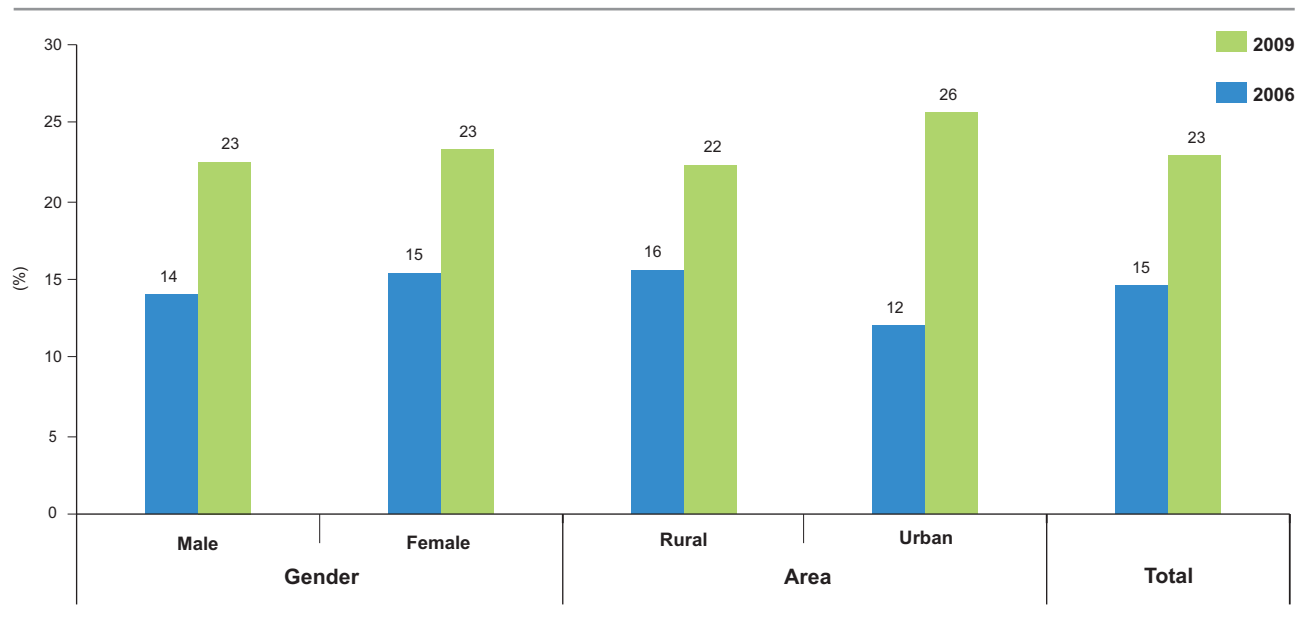
## PRE-SCHOOL ATTENDANCE

This indicator measures the general level of participation of young children in early childhood development programmes. It also indicates a national capacity to prepare young children for primary education.

The pre-school attendance rate among children aged 36-59 months increased from 15 per cent in 2006 to 23 per cent in 2009. This increasing trend can be found in both girls and boys, and across areas. While the rate was higher in rural areas than in urban areas in 2006, this pattern was reversed in 2009. Figure 7 shows the pre-school attendance rate in both years.

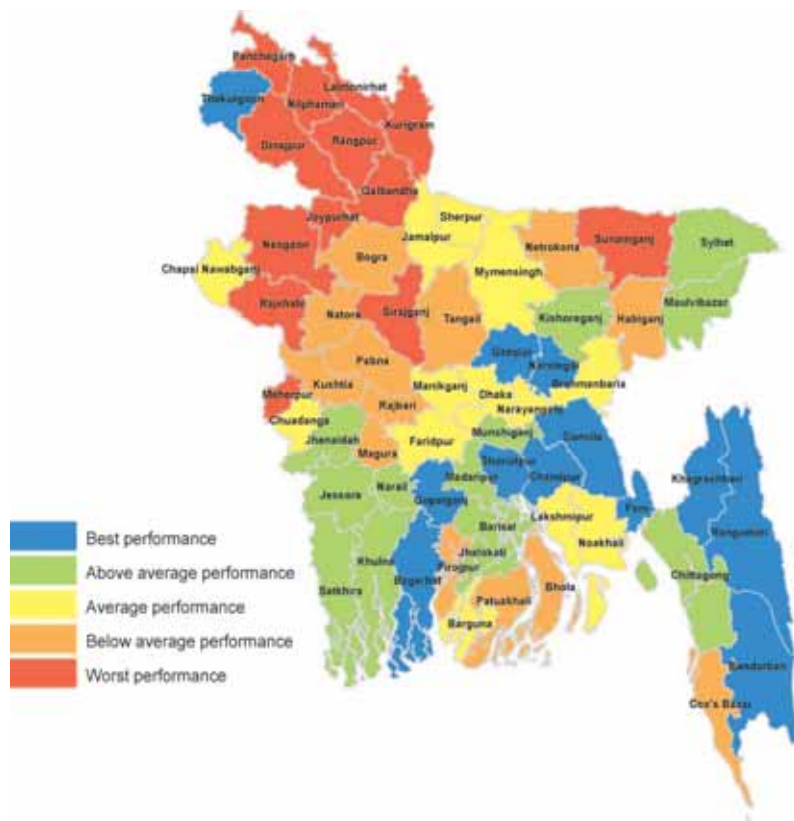
The pre-school attendance rate was the highest in Chittagong division at 26.8 per cent while Rajshahi had the lowest rate at 15.6 per cent. At district level, the rate ranged from 7.2 per cent in Gaibandha to 44.6 per cent in Gazipur.

**Figure 7:** Pre-school attendance rate of children aged 36-59 months, 2006 and 2009

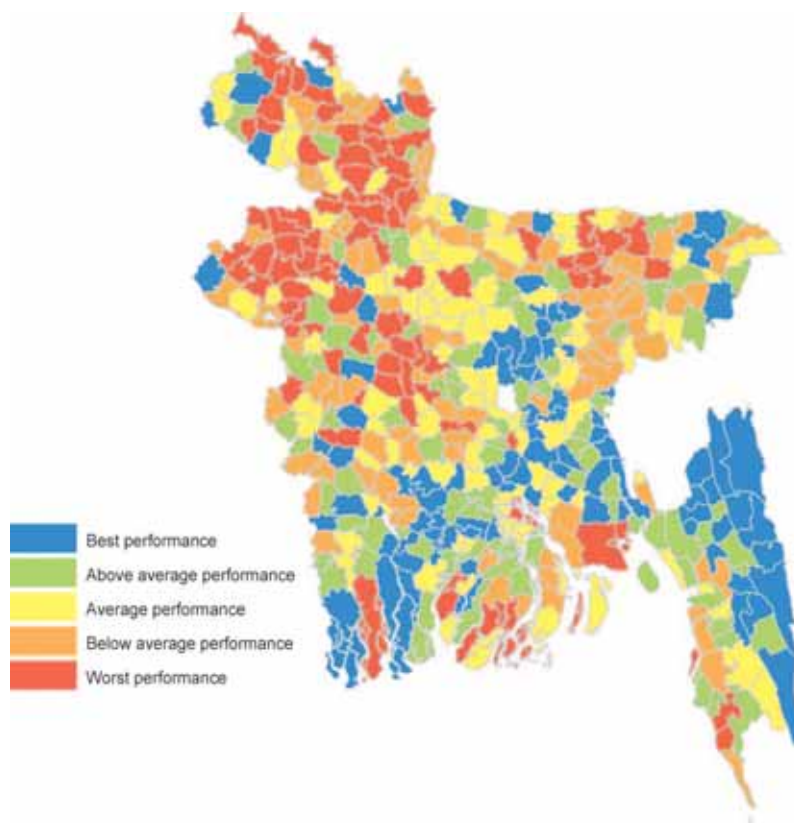




**Map 4a:** Pre-school attendance rate of children aged 36-59 months by district, 2009



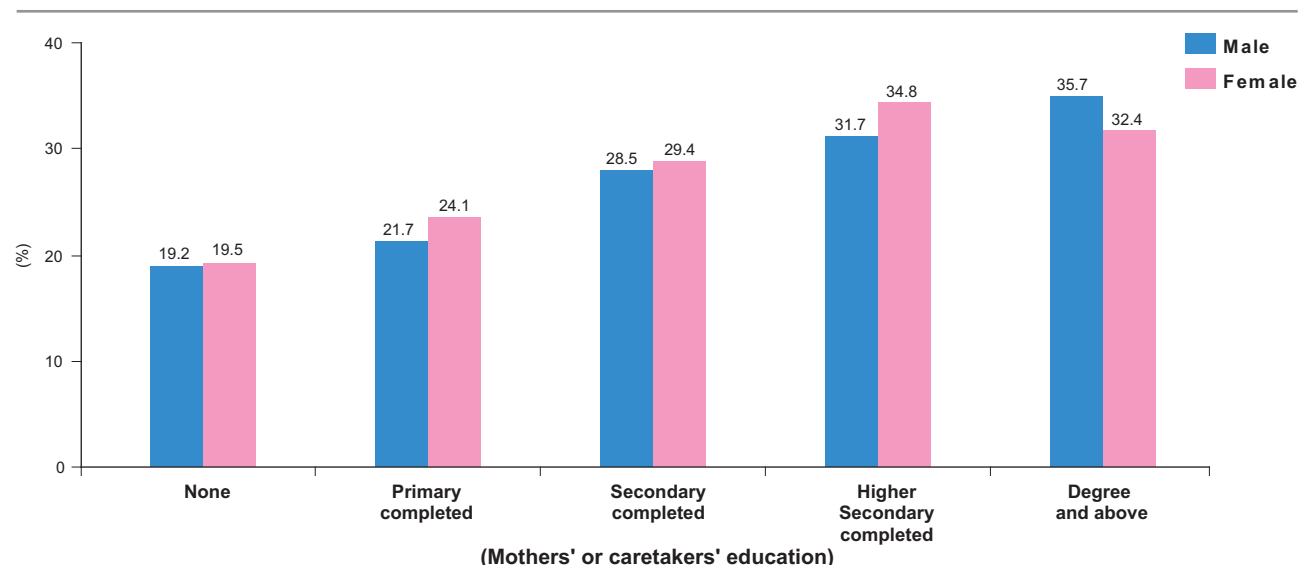
**Map 4b:** Pre-school attendance rate of children aged 36-59 months by upazila, 2009





The pre-school attendance rate increases with the education level of the mother or caretaker - a positive relationship that is seen for both boys and girls. Educating women, therefore, will not only improve their own status, but is also likely to increase the likelihood of their children accessing pre-school education.

**Figure 8:** Pre-school attendance rate of children aged 36-59 months by the education of the mother or caretaker, 2009



## PRIMARY NET INTAKE RATE

Universal access to basic education and the achievement of primary education by the world's children is one of the most important goals of the Millennium Development Goals. Education is a vital prerequisite for combating poverty, empowering women, protecting children from hazardous and exploitative labour and sexual exploitation, promoting human rights and democracy, protecting the environment, and influencing population growth.

The primary net intake rate reflects the general level of access to primary education. This indicator also indicates the capacity of the education system to provide access to grade 1 for children who are eligible and of official school-entrance age. It has, therefore, been used to monitor progress towards the goal of achieving universal primary education, identified as a priority in both the MDGs and the Education for All (EFA) initiative.

The official school-entrance age in Bangladesh is six years of age. Nationwide, as shown in Table 7, Annex A, 66.8 per cent of children aged six were attending grade 1 at the time of the survey. In 2006, this indicator was slightly higher, at 67.4 per cent.

Figure 9 illustrates the difference across sexes and areas for this indicator. In rural areas, there were more girls entering grade 1 than boys, while in urban areas this was reversed.

Figure 9: Primary net intake rate by gender and area, 2009

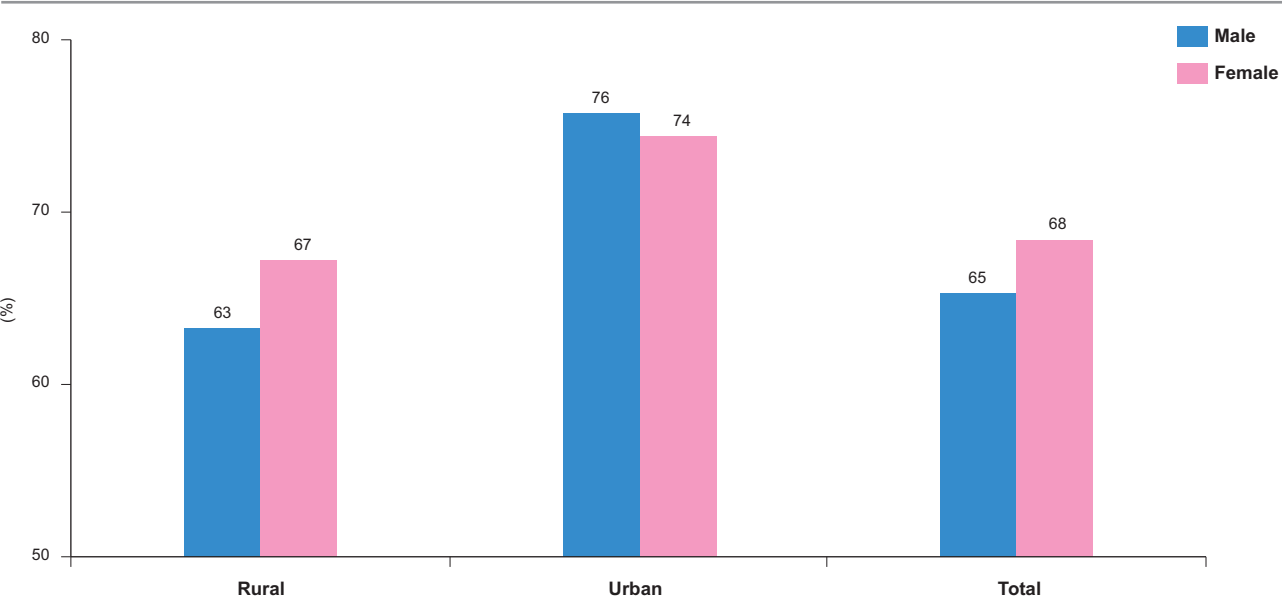
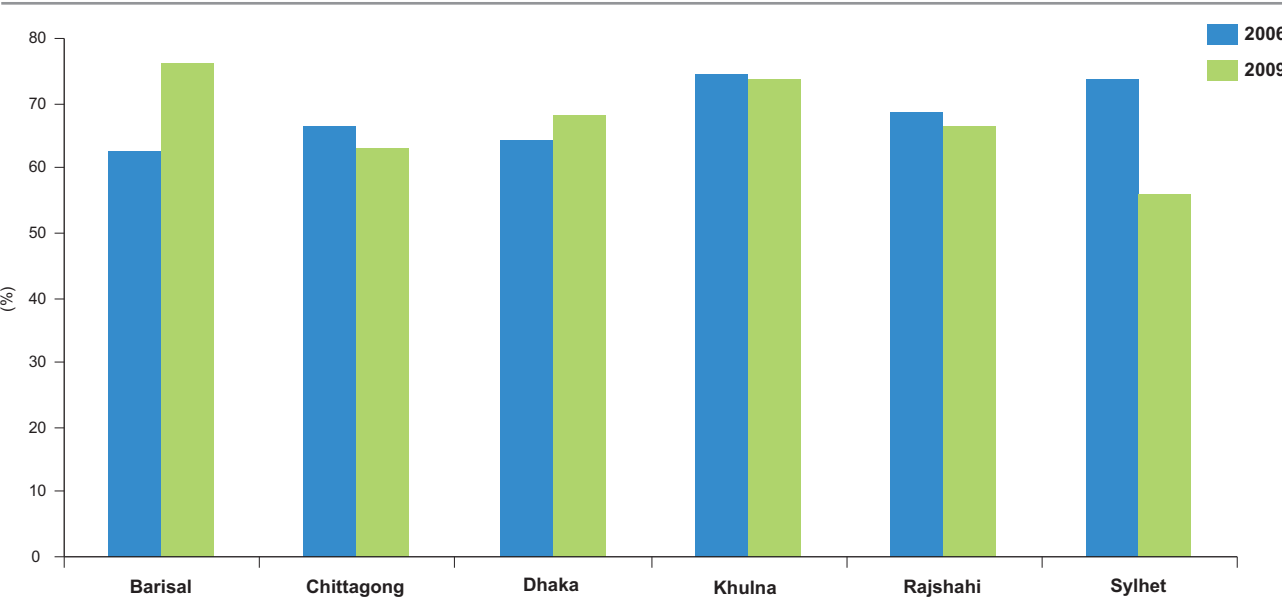
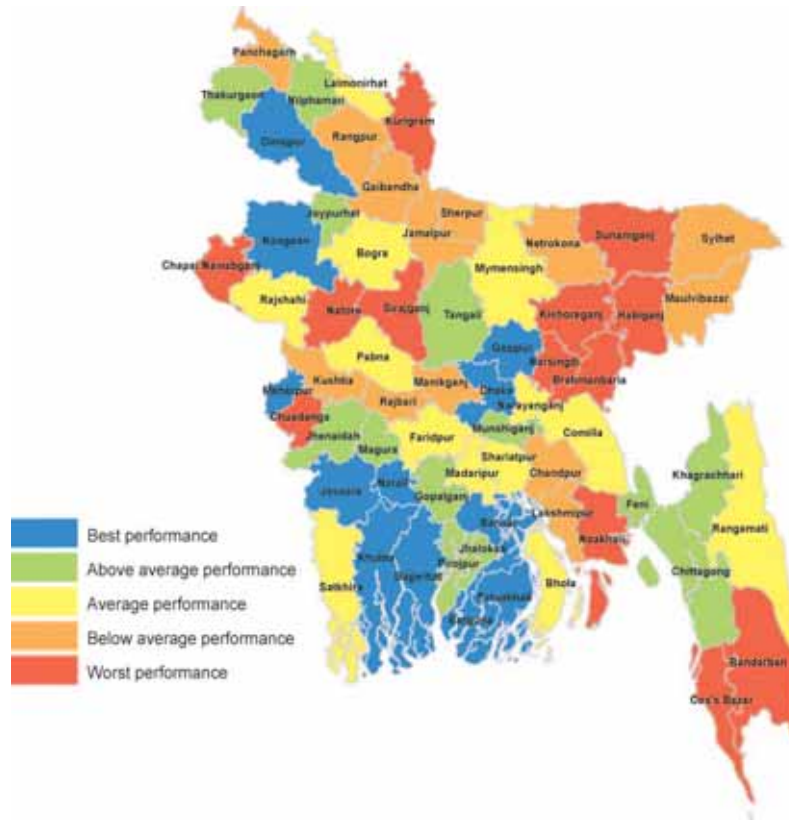
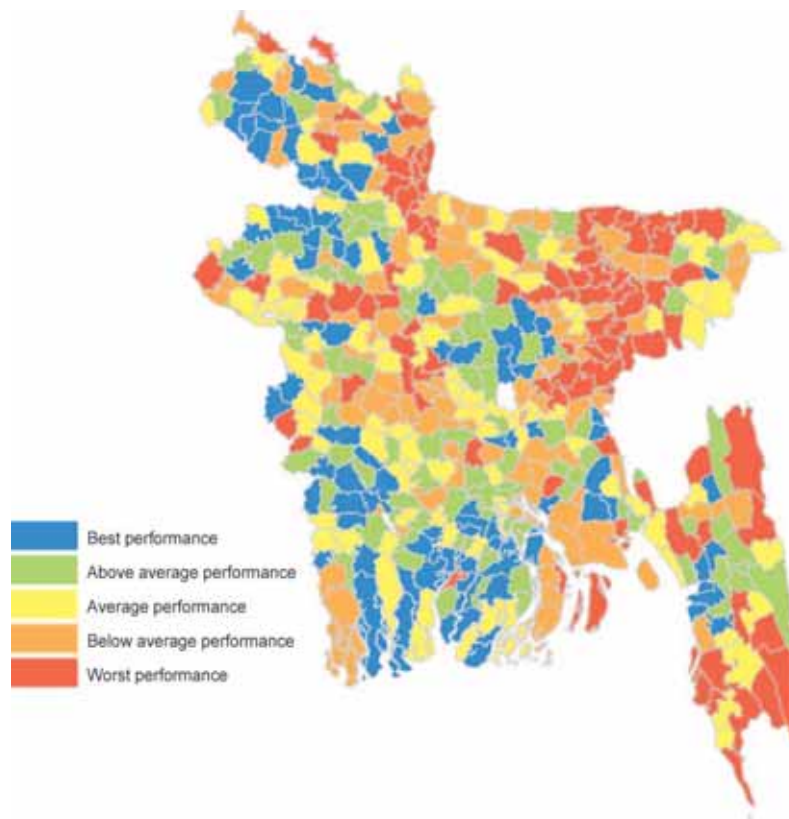


Figure 10 shows the primary net intake rate by division for 2006 and 2009. The rate ranged from 55.9 per cent in Sylhet to 76.0 per cent in Barisal. In Barisal and Dhaka, the rate increased between 2006 and 2009, while it fell in the other four divisions, the largest decrease being seen in Sylhet where the primary net intake rate decreased by more than 17 percentage points.

At district level, Brahmanbaria had the lowest rate at 47.0 per cent while Gazipur topped the list with a rate of 84.9 per cent (See Table 7, Annex A).

Figure 10: Primary net intake rate by division, 2006 and 2009



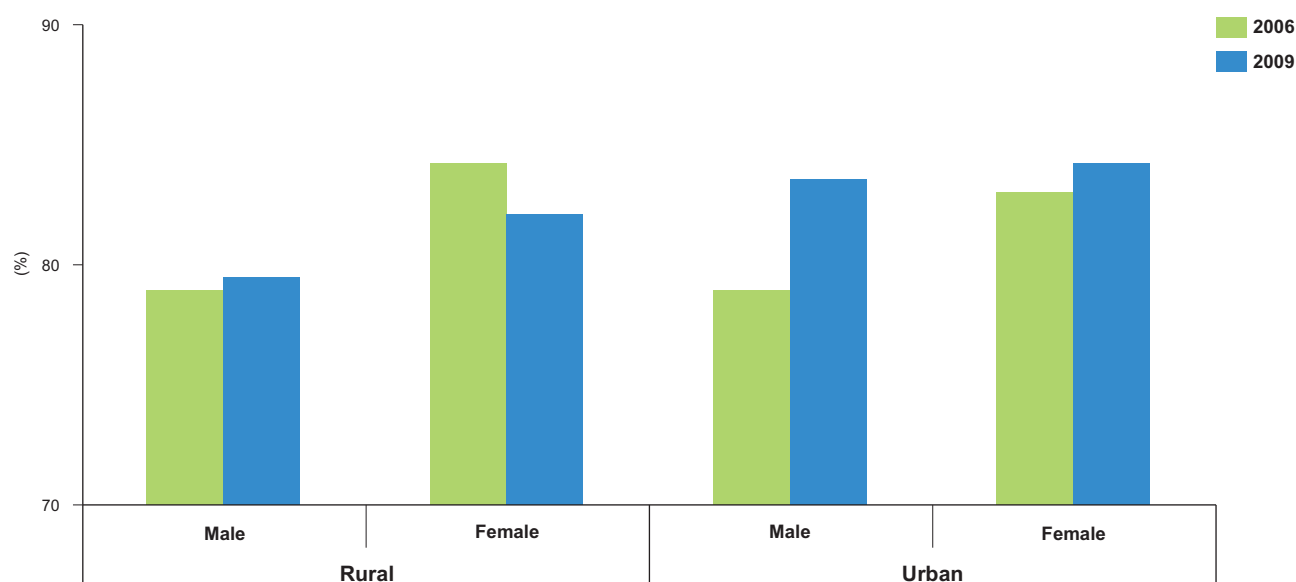
**Map 5a:** Primary net intake rate by district, 2009**Map 5b:** Primary net intake rate by upazila, 2009

## NET ATTENDANCE RATE IN PRIMARY EDUCATION

Overall, 81.3 per cent of children of primary school age in Bangladesh were attending primary or secondary school. In urban areas, 83.9 per cent of children attended school while in rural areas 80.8 per cent were in attendance. At the national level, there was virtually no difference between primary school attendance rates for boys or girls. Khulna division had the highest primary school net attendance rate at 87.0 per cent, while Sylhet had the lowest at 74.2 per cent. At the district level, it ranged from 60.6 per cent in Bandarban to 91.0 per cent in Meherpur.

The attendance rate remained the same nationally between 2006 and 2009. However, after disaggregating data by area and sex, it was found that the rate increased among boys in both urban and rural areas and girls in urban areas, but fell among girls in rural areas. While this suggests that the school attendance of rural girls needs attention, the overall rate is always higher among girls than boys. The encouragement of boys to attend school should, therefore, be a priority, so that they are not left behind.

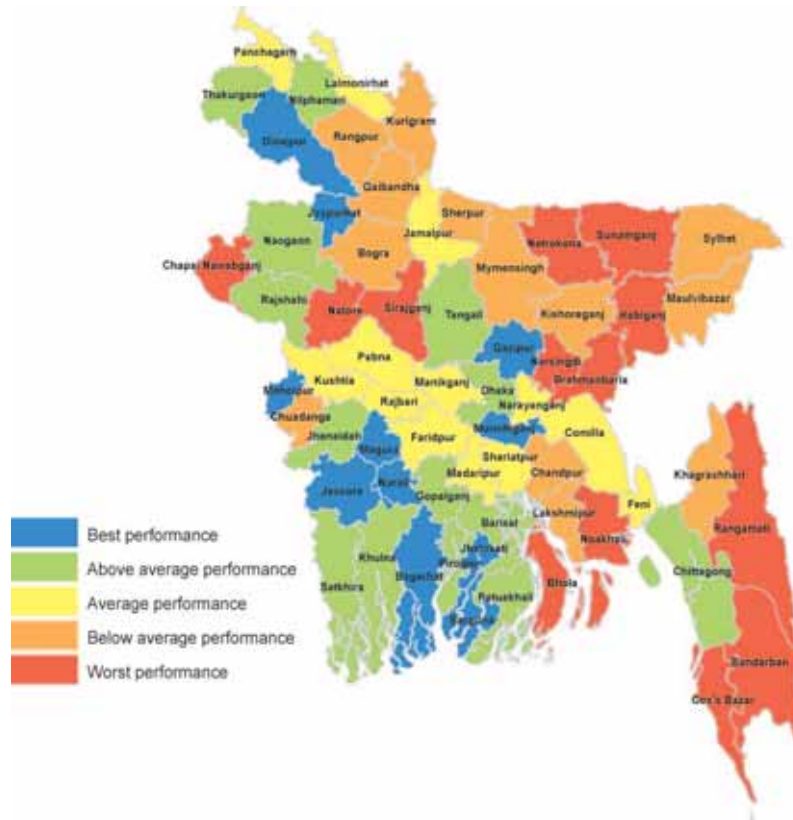
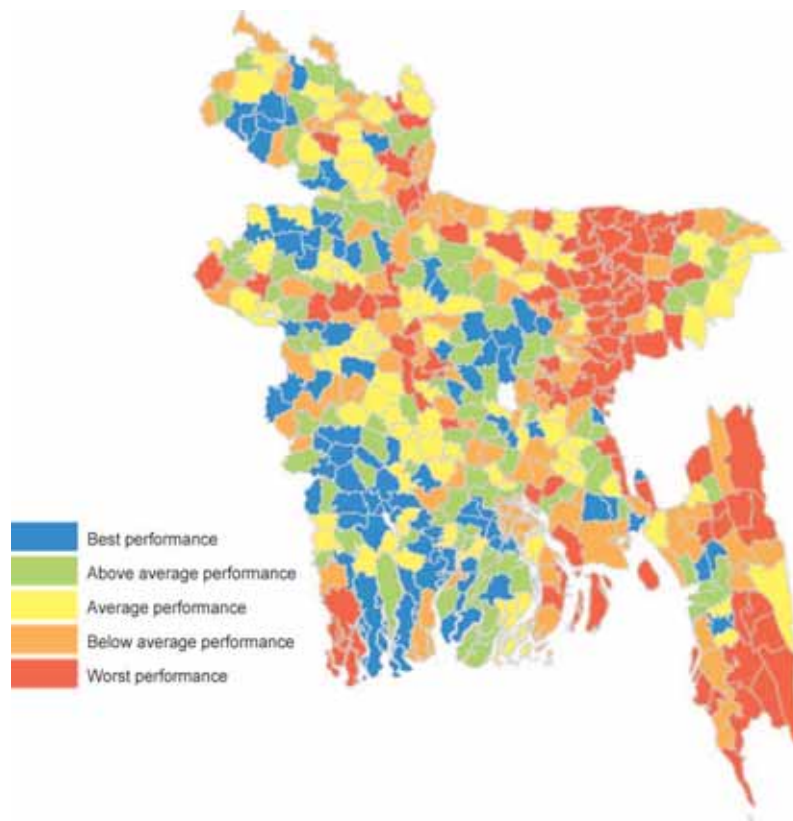
**Figure 11:** Net attendance rate in primary education by gender and area, 2006 and 2009



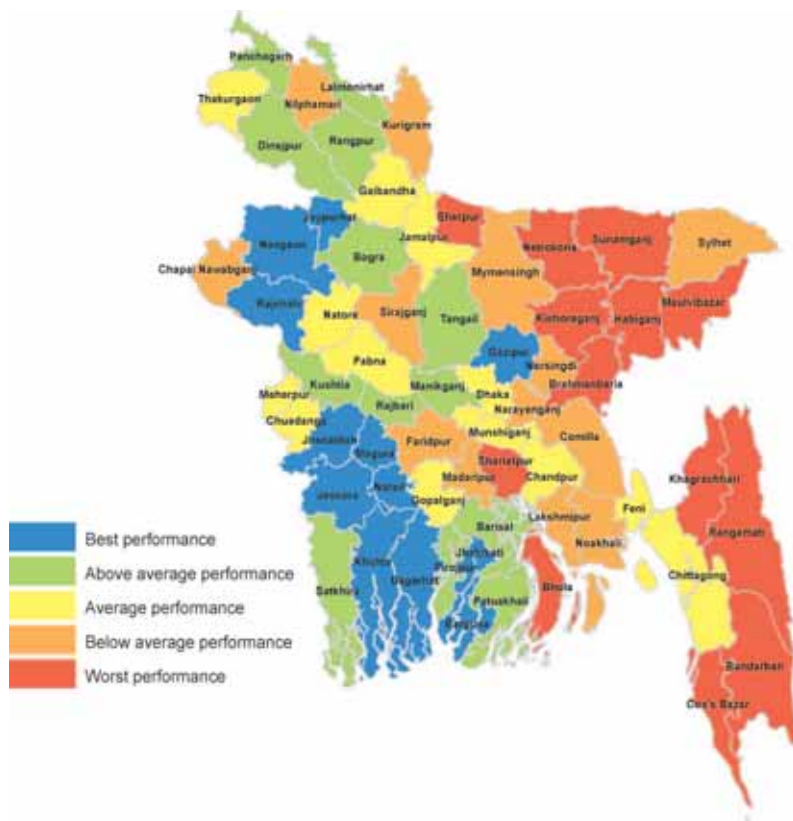
## NET ATTENDANCE RATE IN SECONDARY EDUCATION

The secondary school net attendance rate is shown in Table 9, Annex A. About 49 per cent of all children of secondary school age are attending secondary school; 45.5 per cent for boys, and 53 for girls.

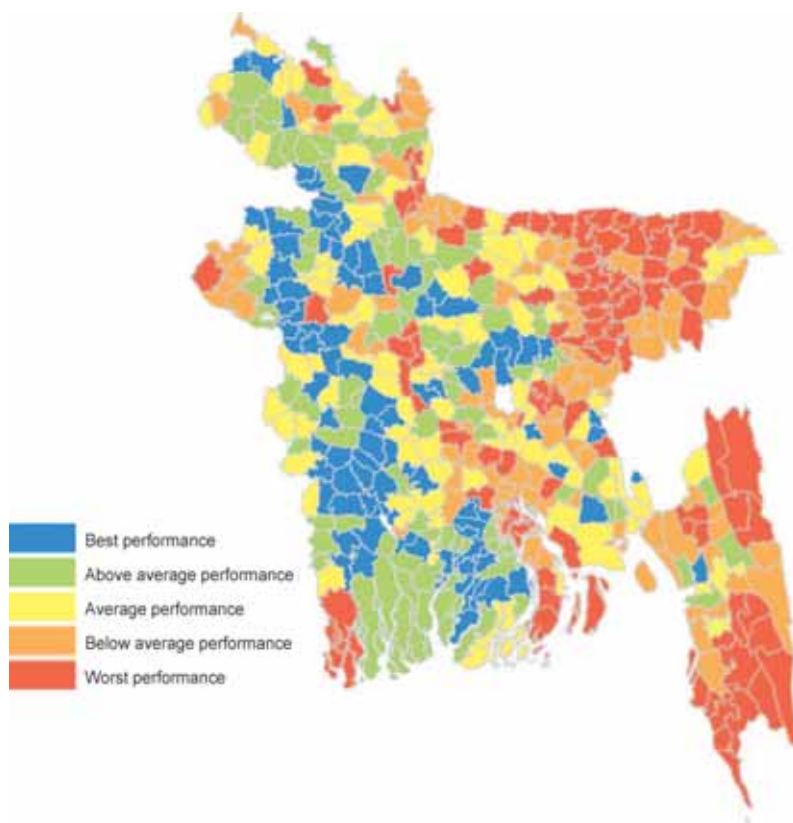
A comparison of urban and rural areas finds that urban students have a higher secondary attendance rate (53.2) per cent than those in rural areas, where the rate stands at less than 50 per cent (48).

**Map 6a:** Net attendance rate in primary school by district, 2009**Map 6b:** Net attendance rate in primary school by upazila, 2009

**Map 7a:** Net attendance rate in secondary school by district, 2009



**Map 7b:** Net attendance rate in secondary school by upazila, 2009



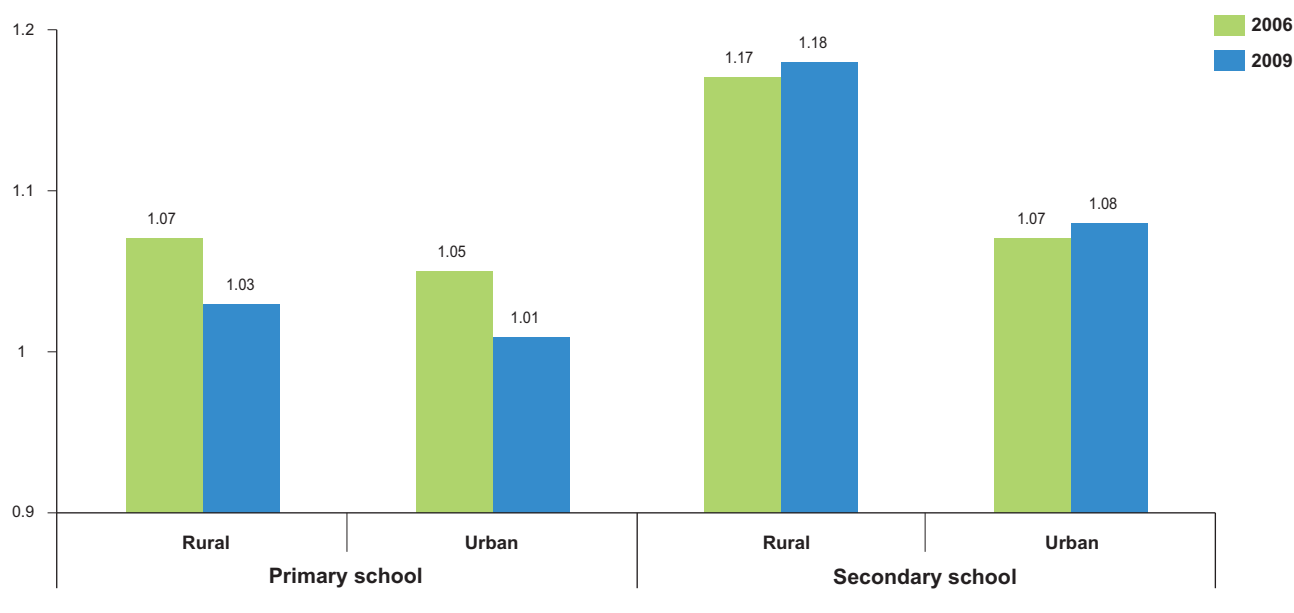
## GENDER PARITY INDEX IN PRIMARY AND SECONDARY SCHOOL

The gender parity index is the ratio of girl's attendance rate to boy's attendance rate. The gender parity index in primary and secondary school is shown in Table 10, Annex A. The table shows that gender parity for primary school is close to 1.0, indicating no difference in the primary attendance rate for girls and boys in primary school.

In primary school the ratio of girls to boys decreased from 1.06 in 2006 to 1.03 in 2009, while it increased for secondary education from 1.14 in 2006 to 1.17 in 2009.

In both rural and urban areas, the ratio of girls to boys in primary school decreased in 2009 compared to 2006. But the ratio for secondary school increased in both rural and urban areas for the same period. No significant difference can be seen across the six divisions. At district level, the ratio in primary school ranged from 0.97 in Lakshmipur to 1.10 in Panchagarh, while the ratio in secondary school ranged from 0.98 in Rangamati to 1.39 in Narsingdi.

**Figure 12:** Gender parity index by area and education level, 2006 and 2009



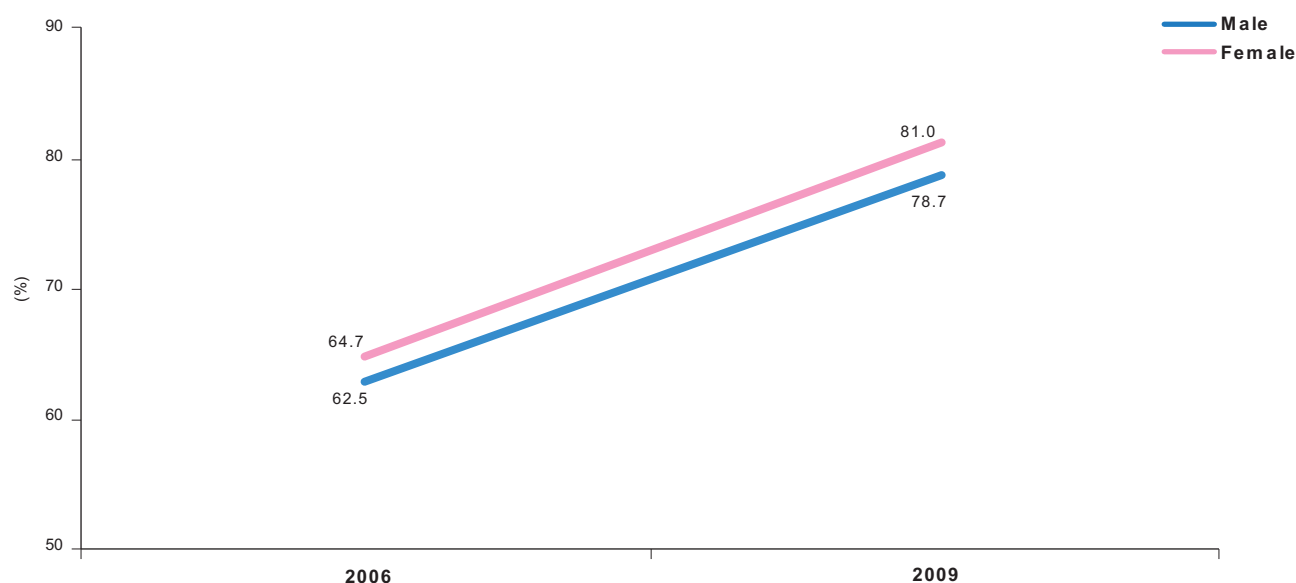


## REACHING GRADE 5

The proportion of pupils starting grade 1 who reach grade 5 is the percentage of a cohort of pupils enrolled in grade 1 of the primary level of education in a given school year who are expected to reach grade 5. The MICS uses the reconstructed cohort method to estimate the rate through attendance by grade of two consecutive school years. The indicator measures an education system's success in retaining students from one grade to the next as well as its internal efficiency.

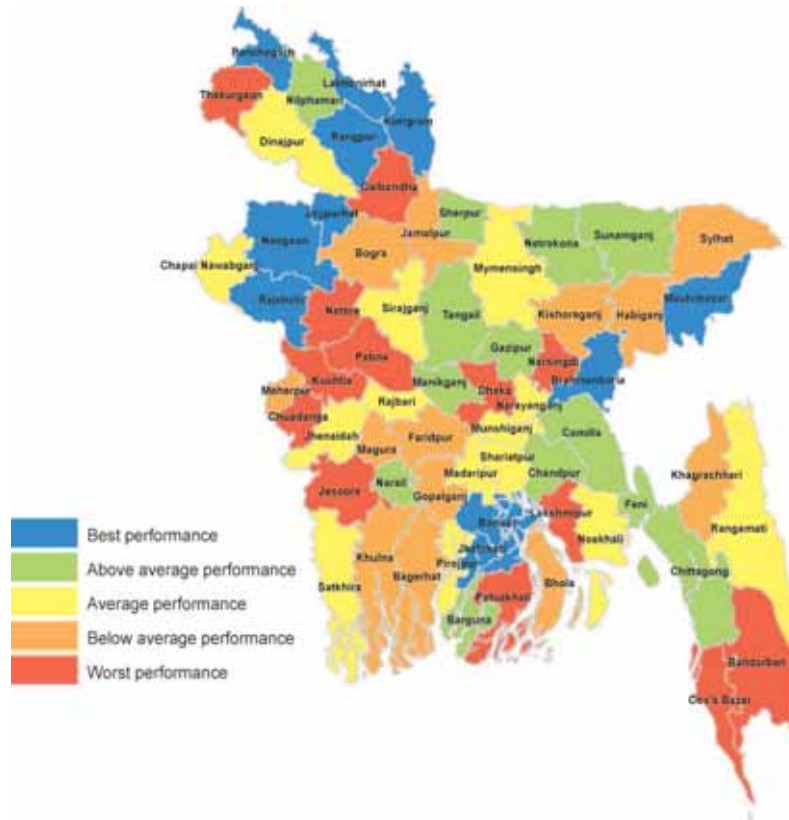
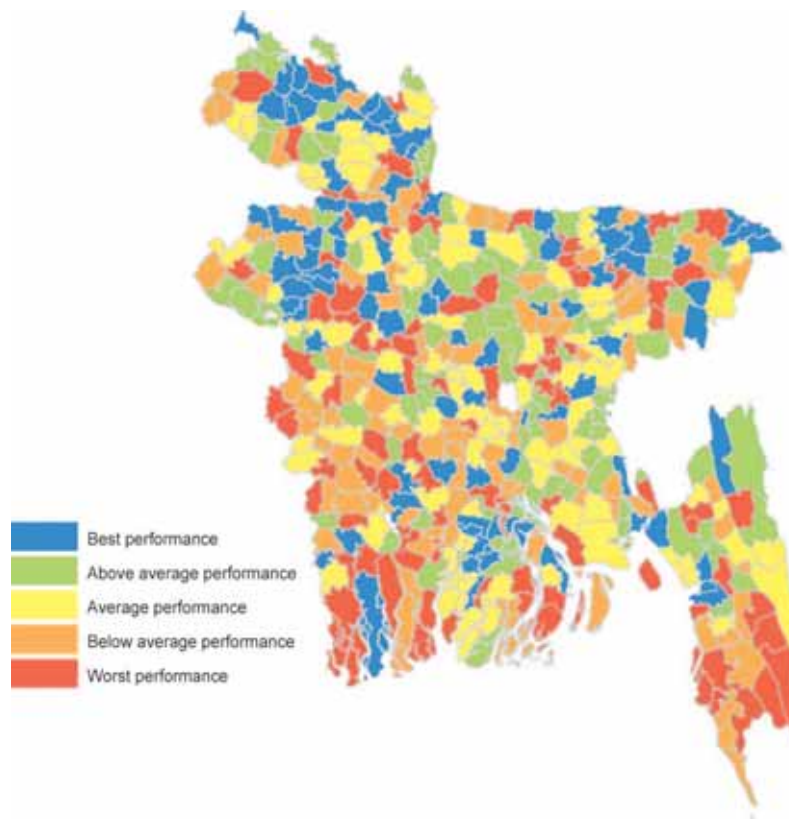
The proportion of pupils starting grade 1 who reach grade 5 was 79.8 per cent in 2009; 78.7 per cent for boys and 81.0 per cent for girls. The overall rate increased from 63.6 per cent in 2006, and by more than 16 percentage points for both boys and girls.

**Figure 13:** Proportion of pupils starting grade 1 who reach grade 5, 2006 and 2009



At the division level, Rajshahi had the best rate of pupils reaching grade 5, at 81.4 per cent, while Khulna had the lowest rate of 74.2 per cent - a gap of about 6 percentage points. At the district level, Kushtia had the lowest rate with 54.0 per cent, while Jhalokati had the highest with 92.4 per cent - a gap of more than 38 percentage points.



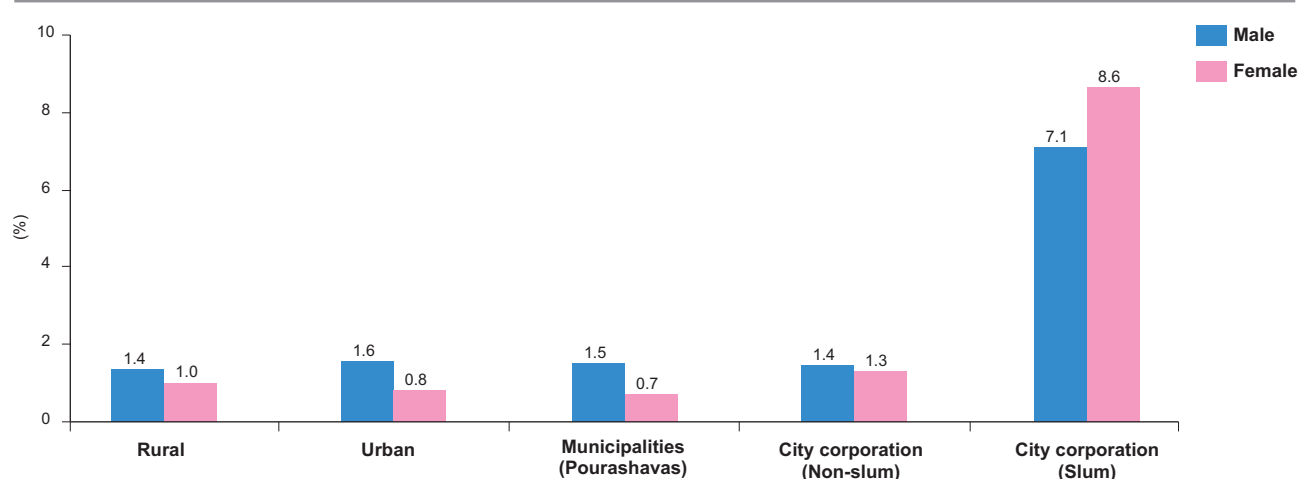
**Map 8a:** Proportion of pupils starting grade 1 who reach grade 5 by district, 2009**Map 8b:** Proportion of pupils starting grade 1 who reach grade 5 by upazila, 2009

## DROP-OUT RATE

### Primary school

The 2009 MICS calculated both the primary and secondary school drop-out rates for the first time. The data have been analyzed by gender to provide evidence for action on gender disparities on access to education, especially for girls.

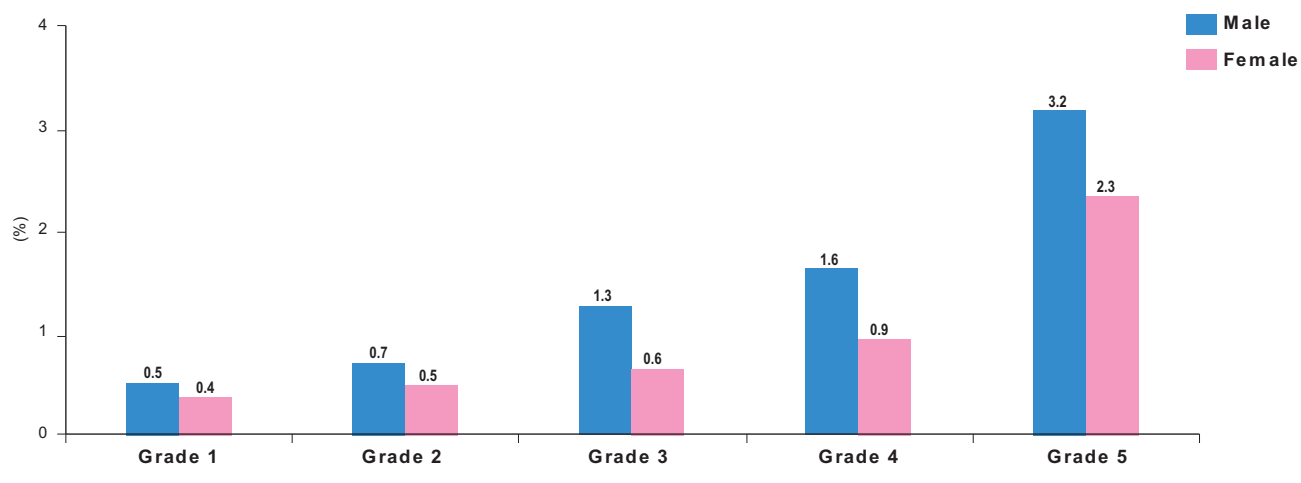
**Figure 14:** Drop-out rate in primary school by gender and area, 2009

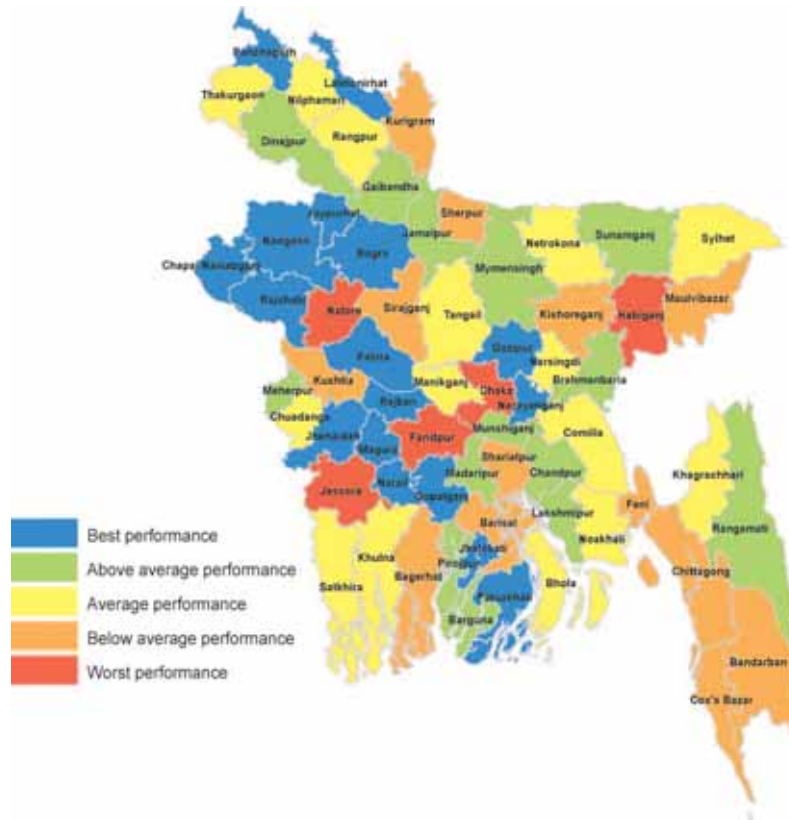
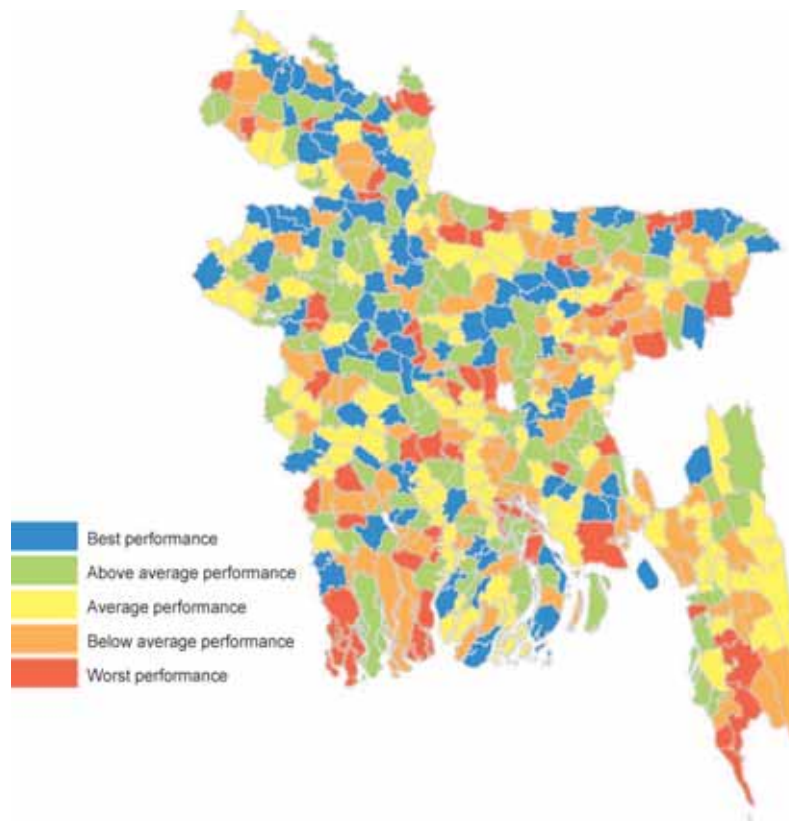


In both rural and urban areas, boys tended to have a slightly higher drop-out rate at primary level than female students. In rural areas, 1.4 per cent of boys dropped out of primary school between the 2008 and 2009 school years, compared with 1.0 per cent for girls. In urban areas, the gap between male and female dropout doubles to 0.8 per cent. The highest drop-out rate was recorded in the slum areas where it is more than six times higher than the national level. Within the divisions, Sylhet had the highest drop-out rate with 1.5 per cent while Dhaka topped the list of districts, with a drop-out rate of 4.8 per cent.

Figure 14 shows that the drop-out rate of primary school increased with the students' grade for both boys and girls, reaching its peak at grade 5. Boys were more likely to drop-out from the primary school at each successive grade. The gap between boys and girls also increased with each grade.

**Figure 15:** Drop-out rate in primary school by gender and grade, 2009

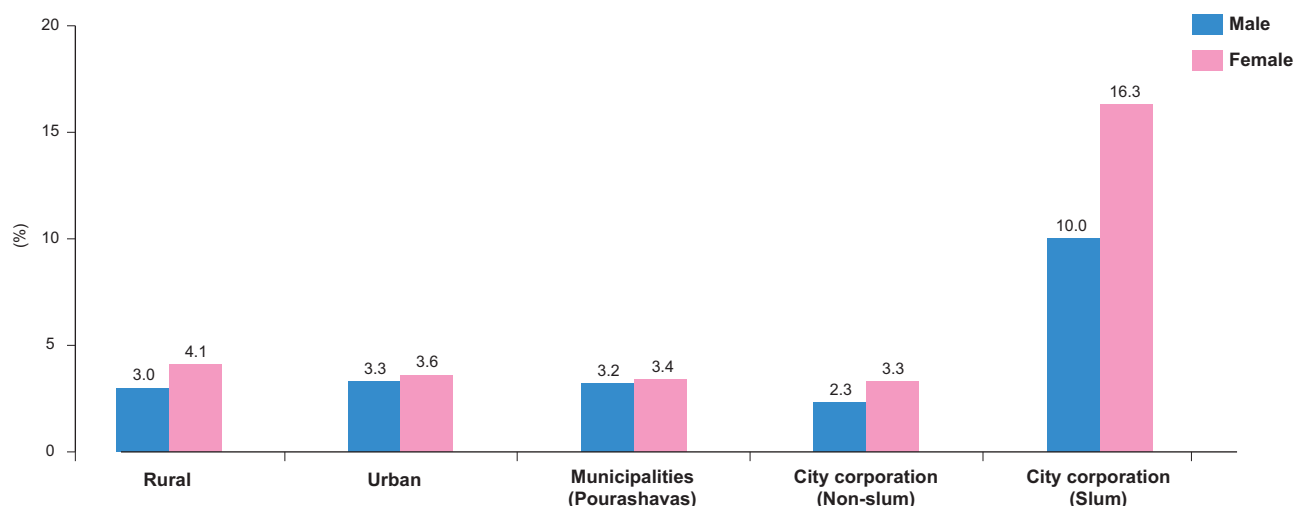


**Map 9a:** Drop-out rate in primary school by district, 2009**Map 9b:** Drop-out rate in primary school by upazila, 2009

## Secondary school

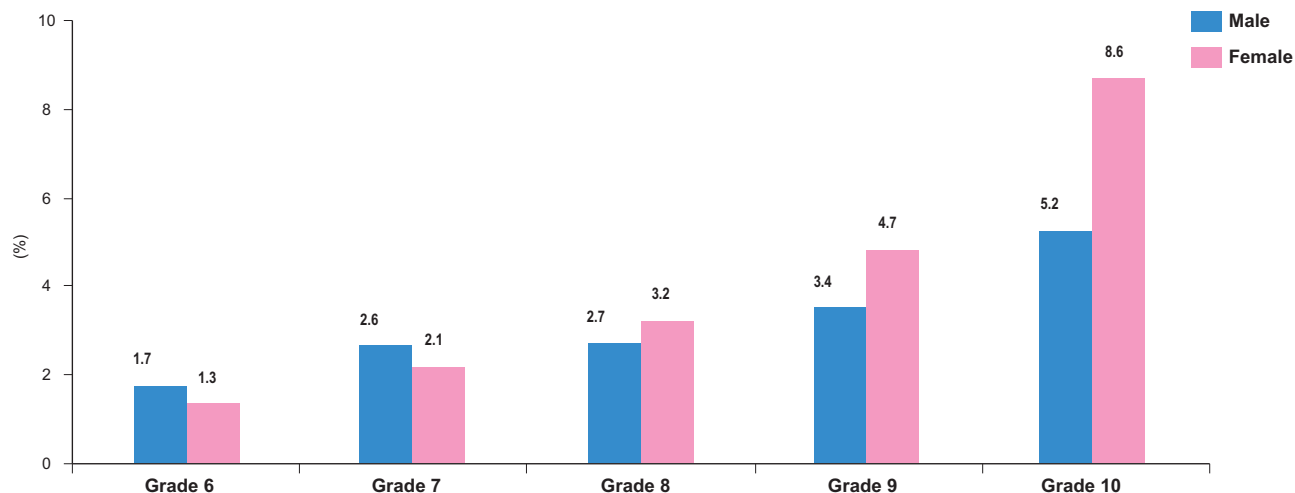
In contrast to primary school drop-out, girls were more likely to drop out of secondary school irrespective of area. In rural areas, the female drop-out rate (4.1 per cent) is some 1.1 percentage points higher than that for males. In urban areas, there is not a big difference between female (3.6 per cent) and male (3.3 per cent) drop-out rates. As they did at primary level, the slum areas recorded the highest drop-out rate for secondary schools, especially for girls, more than 16 per cent of girls dropped out of school. For boys, the figures were 10 per cent. At division level, the drop-out rate ranged from 2.0 in Barisal to 4.5 per cent in Chittagong. In the districts, this rate ranged from 1.2 per cent in Patuakhali to 8.7 per cent in Dhaka. Dhaka recorded the highest drop-out rate for both primary and secondary schools.

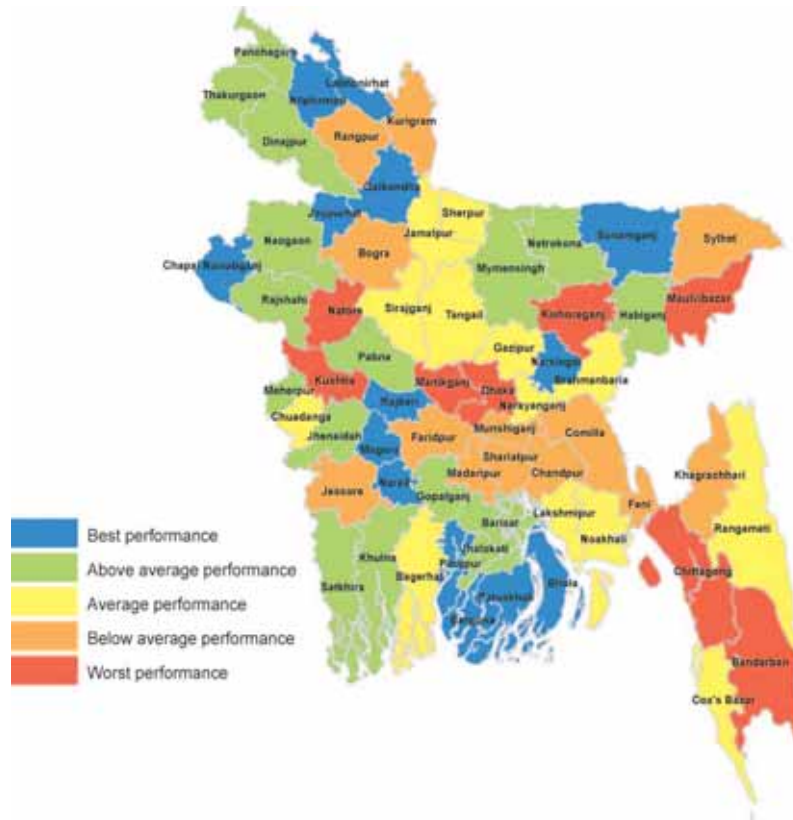
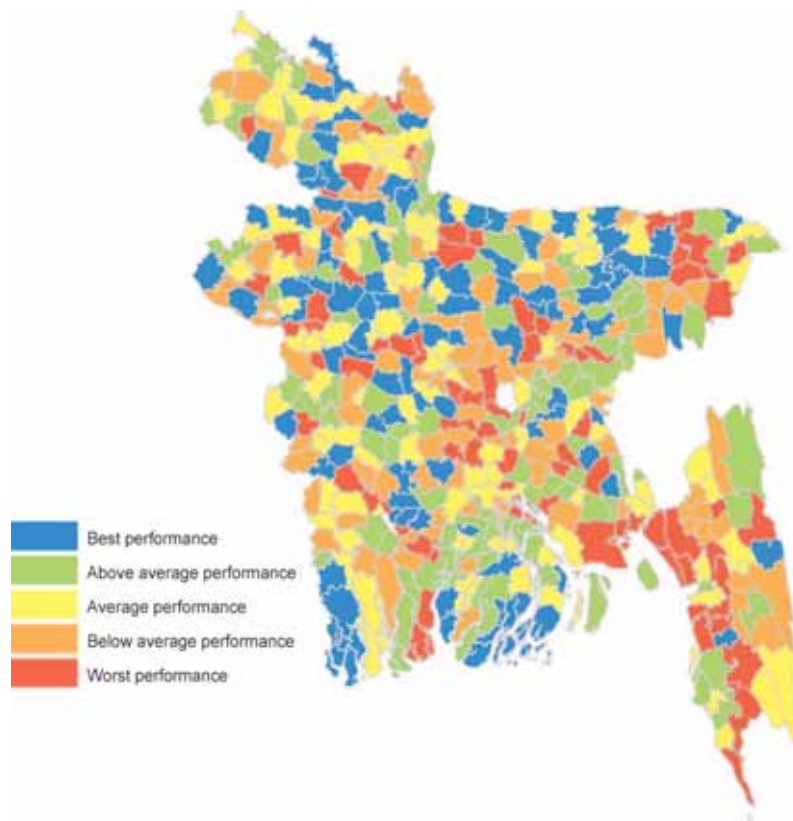
**Figure 16:** Drop-out rate in secondary school by gender and area, 2009



In the first two grades of secondary school, boys seemed more likely to drop out. In the last three grades, however, the pattern is reversed with more girls dropping out of school. The last grade of secondary school saw the highest drop-out rate for both sexes; 8.6 for girls compared to 5.2 per cent for boys. There is a need for further study on the causes of drop-out in secondary education, particularly for girls to reduce the high rates.

**Figure 17:** Drop-out rate in secondary school by gender and grade, 2009



**Map 10a:** Drop-out rate in secondary school by district, 2009**Map 10b:** Drop-out rate of secondary school by upazila, 2009

## REPETITION RATE

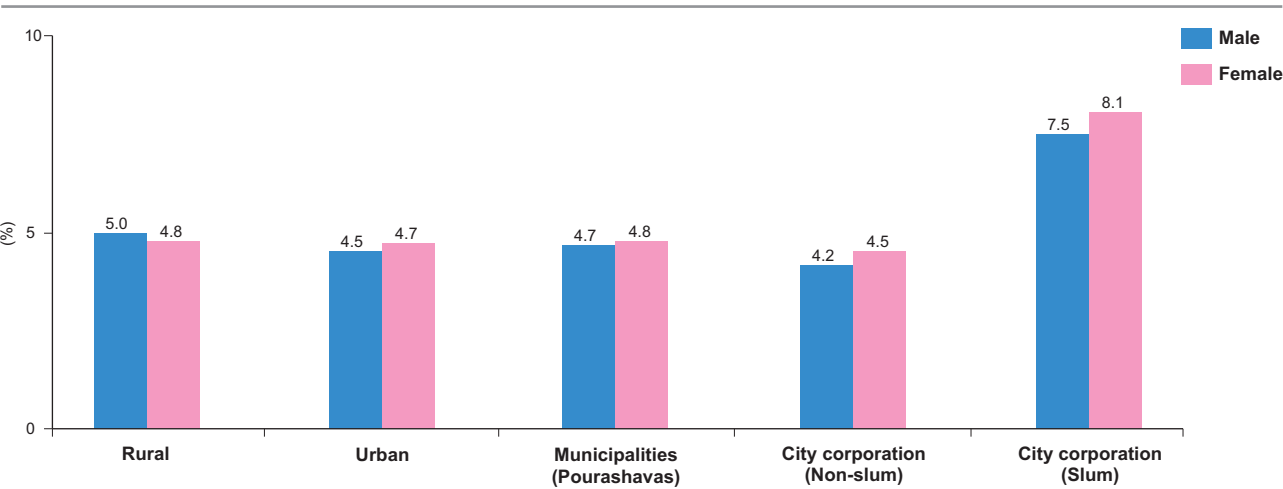
The repetition rate is the percentage of pupils enrolled in a given grade in a given school-year who study in the same grade in the following school-year. This indicator measures the phenomenon of pupils repeating a grade, and is one of the measures of the internal efficiency of the primary education cycle. The MICS 2009 calculated the repetition rate for the first time.

### Primary school

The repetition rate in primary school was 4.8 per cent nationally. Overall, the rate in rural areas was slightly higher than in urban areas. Slum areas had the highest repetition rate. There was no major difference between the rates for boys and girls in the different areas, although girls were marginally more likely to repeat their schooling.

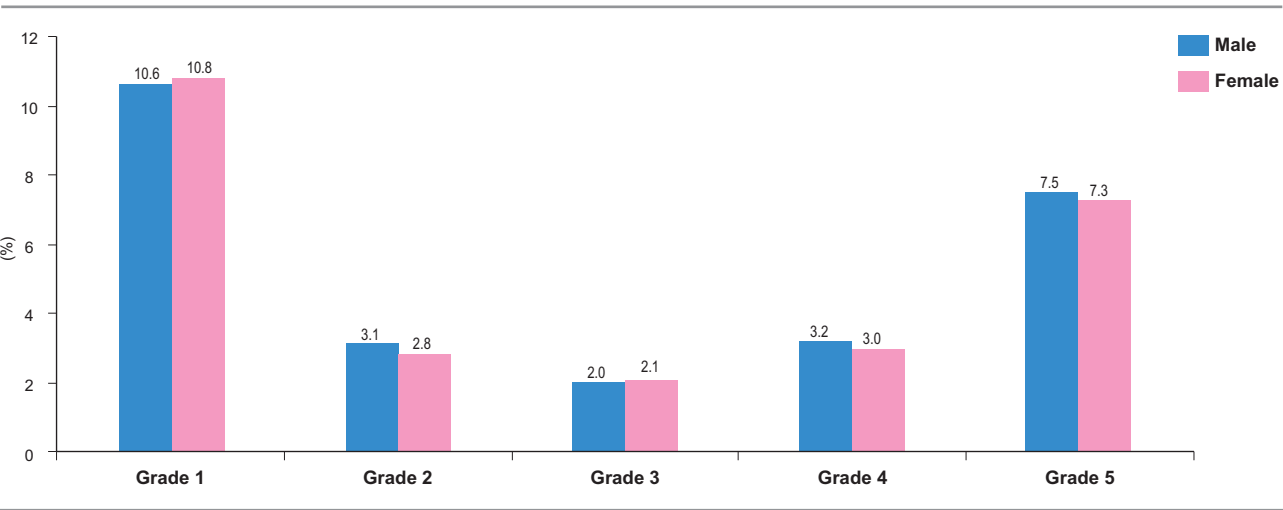
The repetition rate ranges from 4.3 to 7.4 per cent across the divisions, and from 1.9 to 14.2 per cent across district level.

**Figure 18:** Repetition rate in primary school by gender and area, 2009

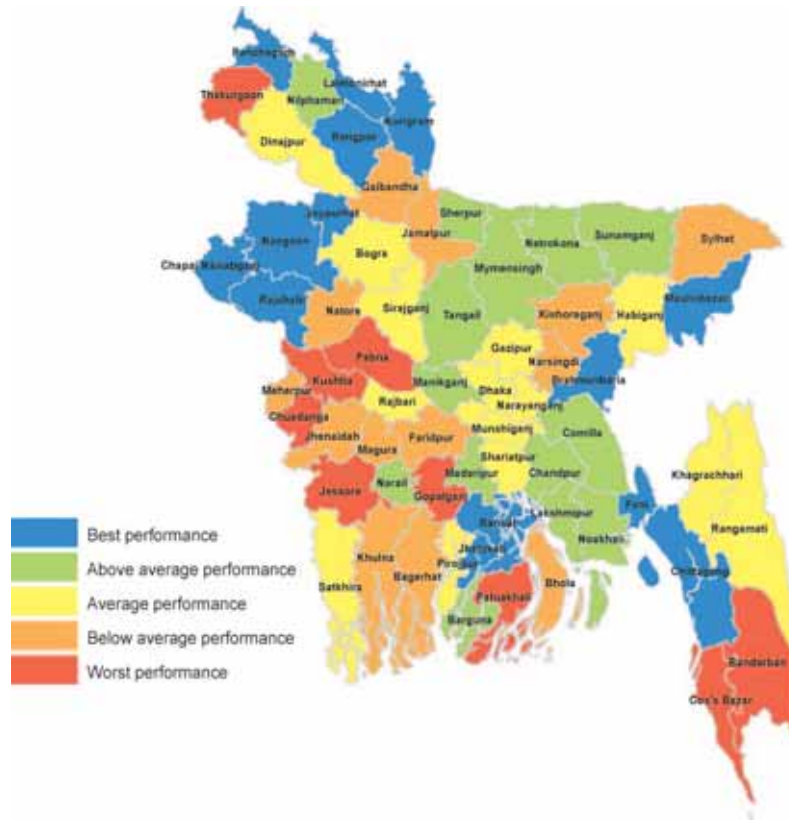
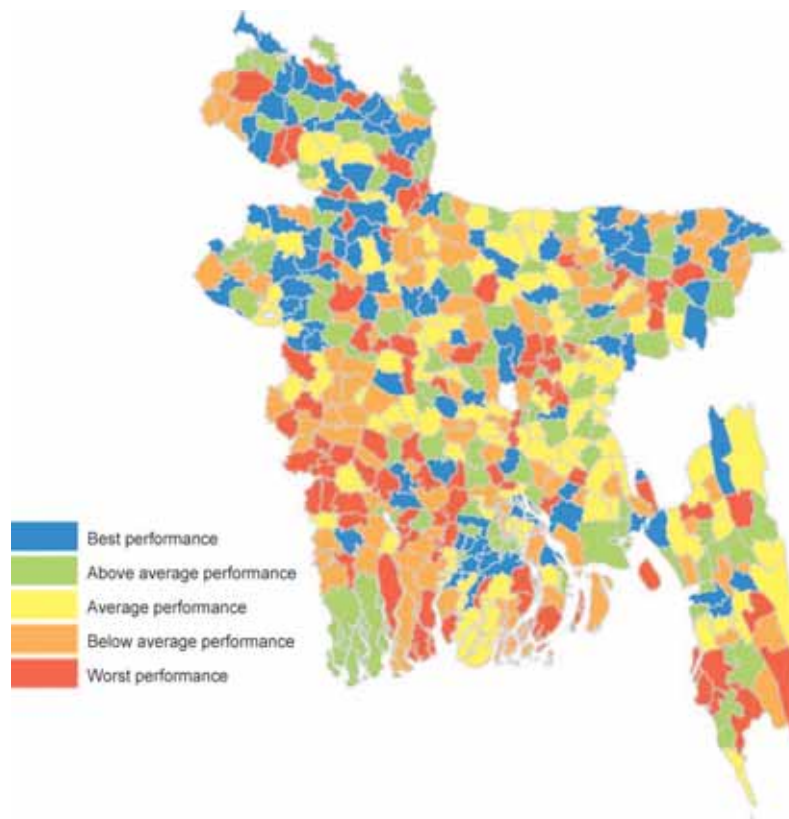


As the grades increase, repetition rate resembles a "V" curve, with its valley at grade 3, with a rate of around 2 per cent. The rate was highest at grade 1, with more than 10 per cent, and then fell until grade 3, followed by a rise to grade 5.

**Figure 19:** Repetition rate in primary school by gender and grade, 2009



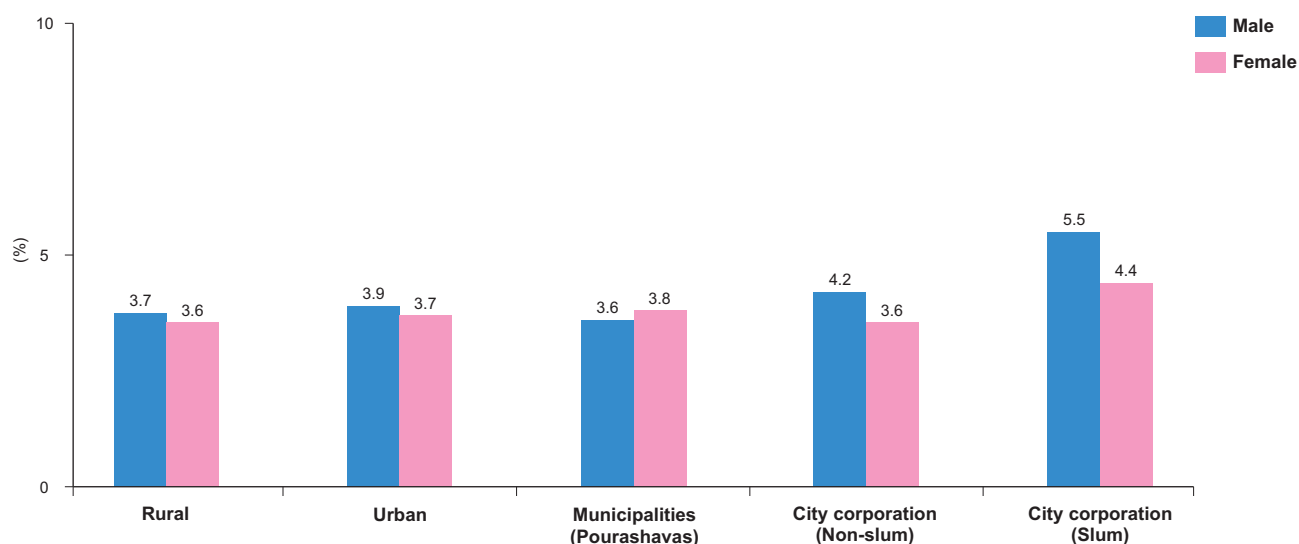


**Map 11a:** Repetition rate in primary school by district, 2009**Map 11b:** Repetition rate in primary school by upazila, 2009

## Secondary school

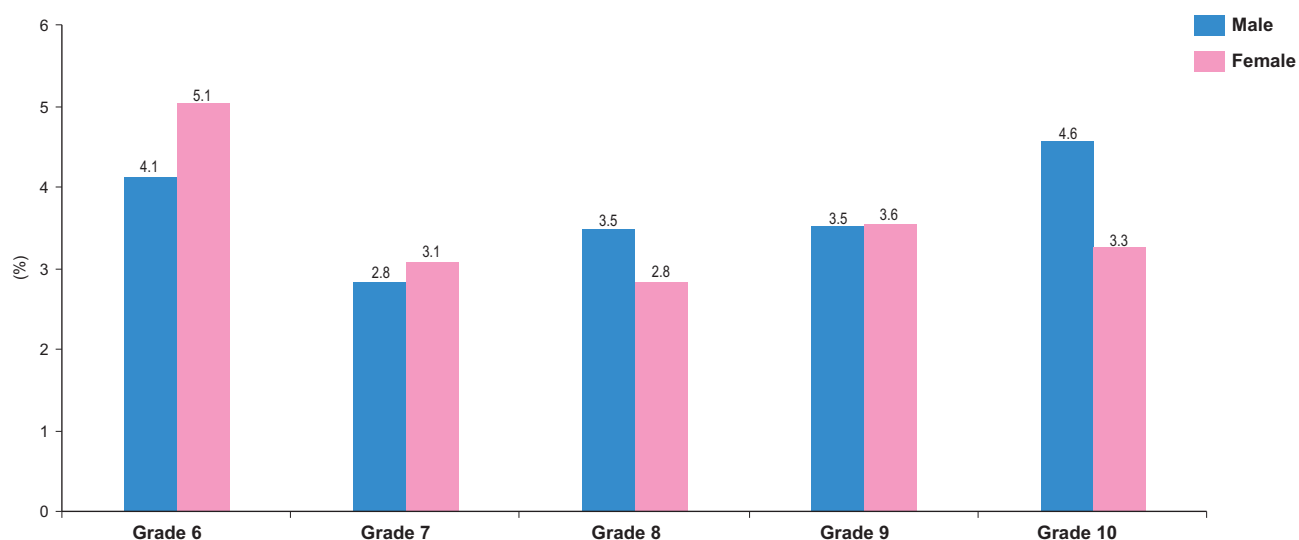
Nationally, the repetition rate in secondary school was 3.7 per cent. For boys it was 3.8 per cent compared with 3.6 per cent for girls. The rate did not fluctuate much in the different areas, although it was the highest in the slum areas. Khulna division had the highest secondary repetition rate with 5.7 per cent. At the district level, Bandarban had a rate of 9.9 per cent which was 12 times higher than Naogaon district which had the lowest rate of 0.8 per cent.

**Figure 20:** Repetition rate in secondary school by gender and area, 2009

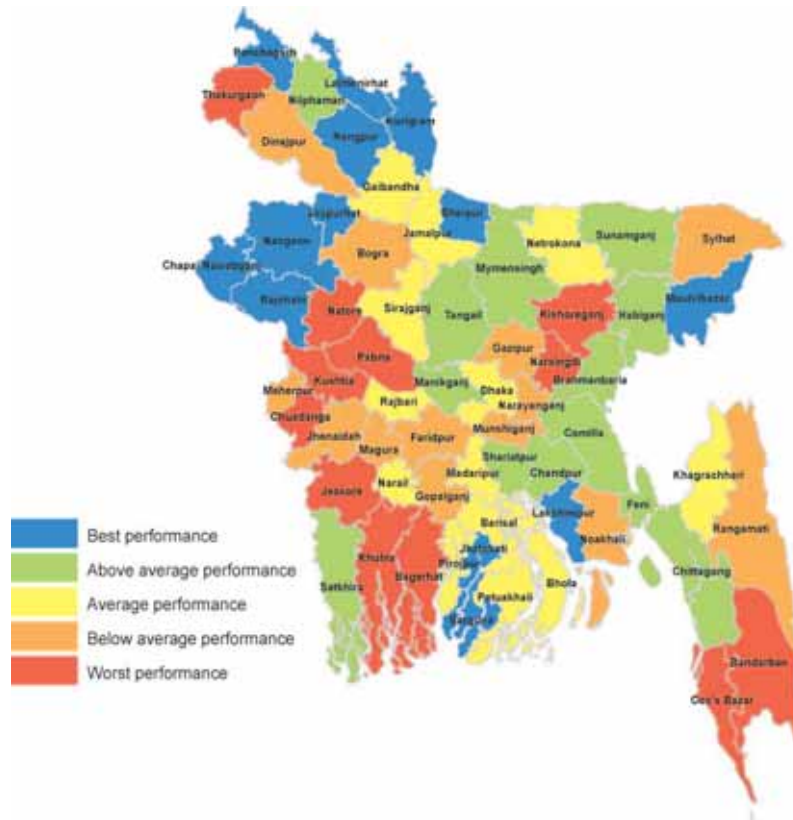
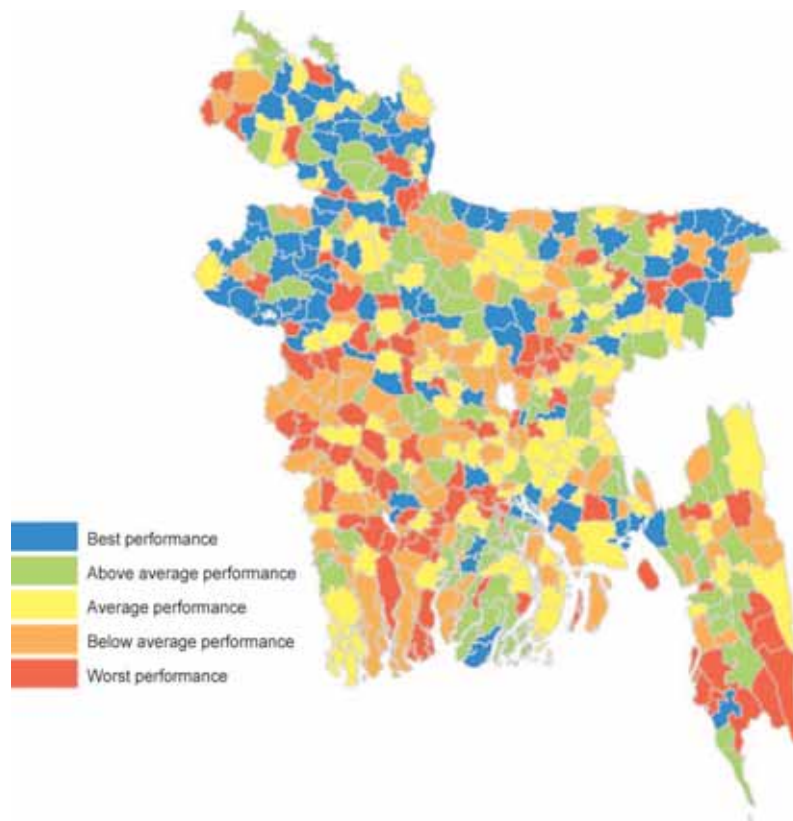


When looking at the repetition rate against grade and gender, it shows some fluctuation. For male students, the lowest repetition rate was at grade 7 and for females it was at grade 8. The rate among male students was the highest at grade 10 which was 4.6 while the highest rate among female students was at grade 6 with 5.1 per cent. In grades 6 and 7, the repetition rate was higher among females than males. This pattern is reversed from grade 8 to the last grade of secondary school (Figure 21).

**Figure 21:** Repetition rate of secondary school by gender and grade, 2009





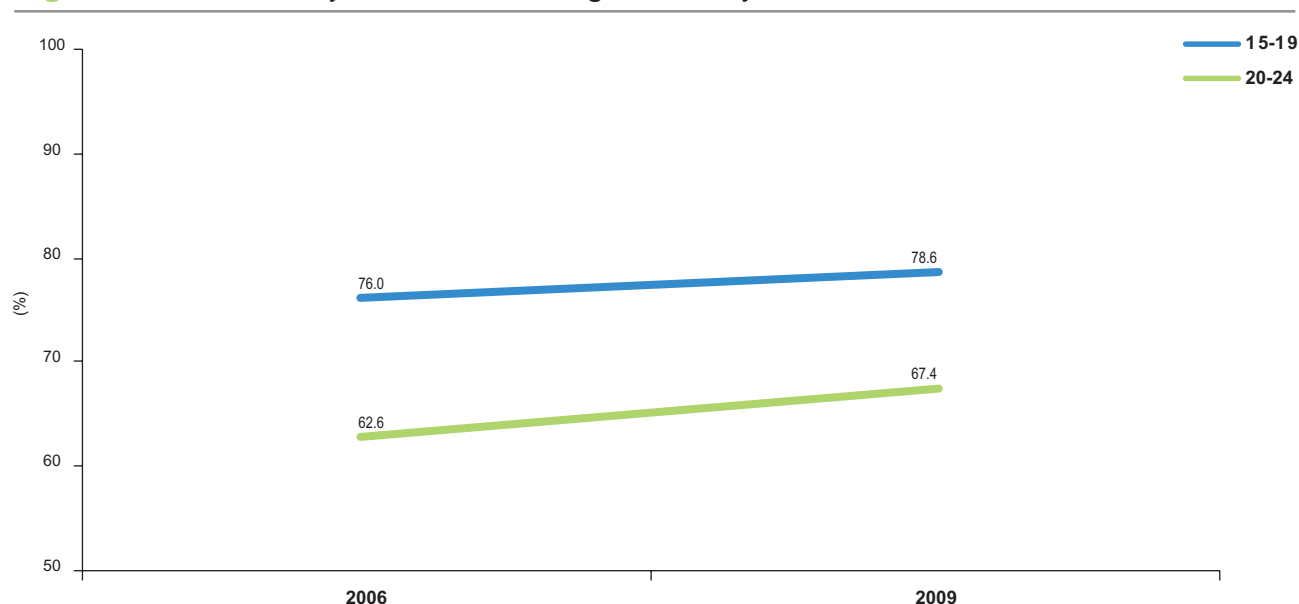
**Map 12a:** Repetition rate in secondary school by district, 2009**Map 12b:** Repetition rate in secondary school, by upazila, 2009

## LITERACY RATE OF WOMEN AGED 15-24 YEARS

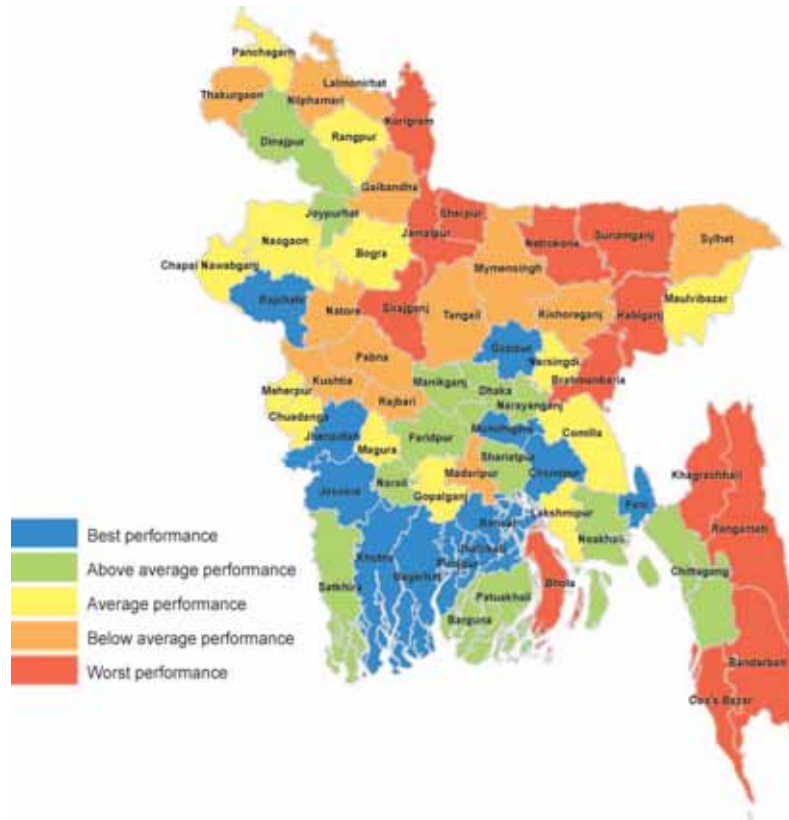
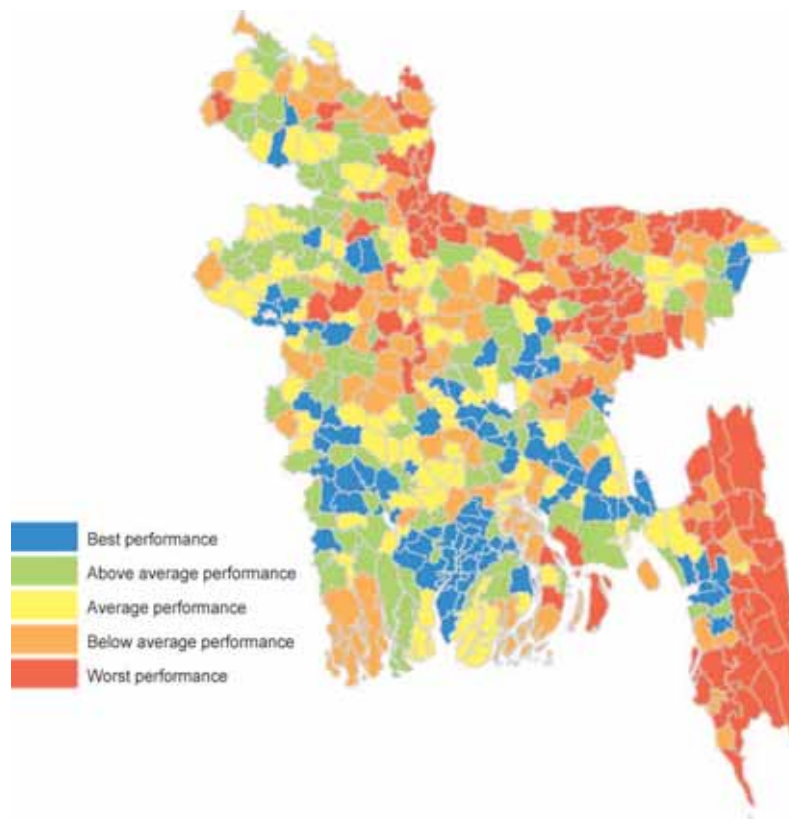
The literacy rate of those aged 15-24 is the percentage of persons aged 15 to 24 who show their ability to both read and write by understanding a short simple statement on their everyday life. The indicator has a special significance in reflecting the recent outcomes of the basic education process. It is, in short, a summary measure of the effectiveness of the education system and is both an EFA and MDG indicator.

By asking women aged 15-24 to read a short simple statement, MICS 2009 found that the literacy rate of women aged 15-24 was 72.0 per cent, which was slightly higher than the 69.9 per cent recorded by the 2006 MICS. Figure 22 shows that the increase is more observable among women aged 20-24 although, overall, this age group has a lower literacy rate.

**Figure 22:** Literacy rate of women aged 15-24 years, 2006 and 2009



The percentage of women aged 15-24 years who are literate ranged from 64.1 in Sylhet to 77.5 per cent in Khulna within the divisions. At district level, it ranged from 39.8 in Bandarban to 87.5 per cent in Jhalokati. The rate in Bandarban was even lower than the level in the slum areas, which suggests a need to target Bandarban district in future interventions.

**Map 13a:** Literacy rate of women aged 15-24 years by district, 2009**Map 13b:** Literacy rate of women aged 15-24 years by upazila, 2009

vi.

HIV AND AIDS

## KNOWLEDGE OF HIV AND AIDS TRANSMISSION

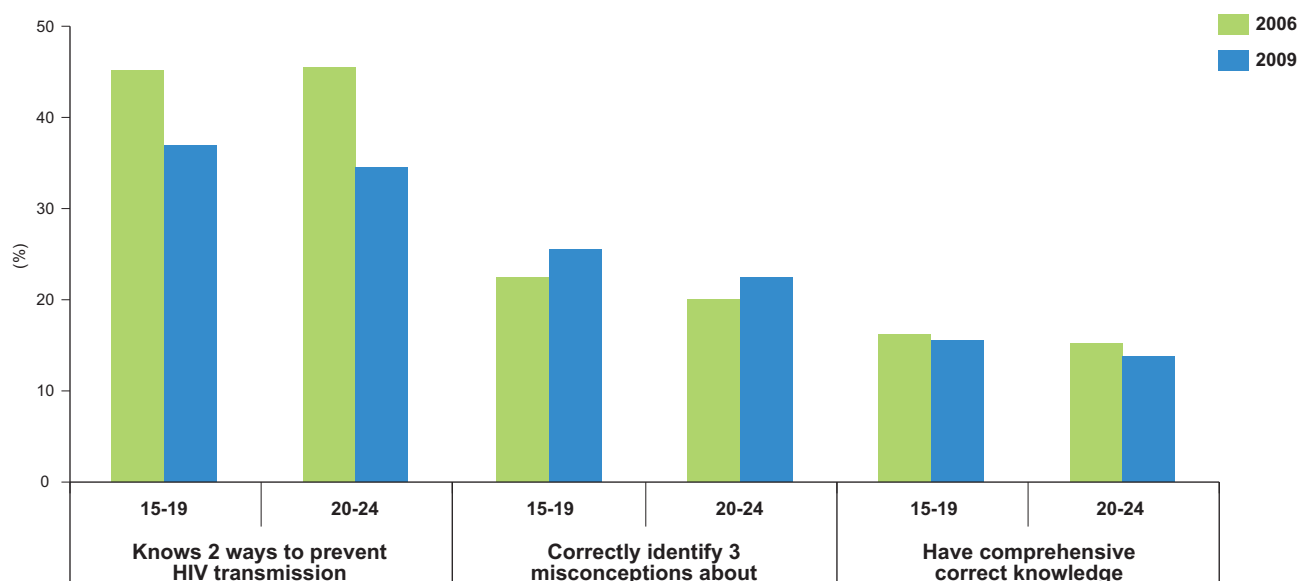
One of the most important prerequisites for reducing the rate of HIV infection is accurate knowledge of how HIV is transmitted and strategies to prevent its transmission. Correct information is the first step toward raising awareness and giving young people the tools to protect themselves from infection. Misconceptions about HIV are common and can confuse young people and hinder prevention efforts.

A key indicator used to measure countries' responses to the HIV and AIDS epidemic is the proportion of young people aged 15-24 who know two methods of preventing HIV infection; reject two misconceptions and understand that a healthy looking person can have HIV.

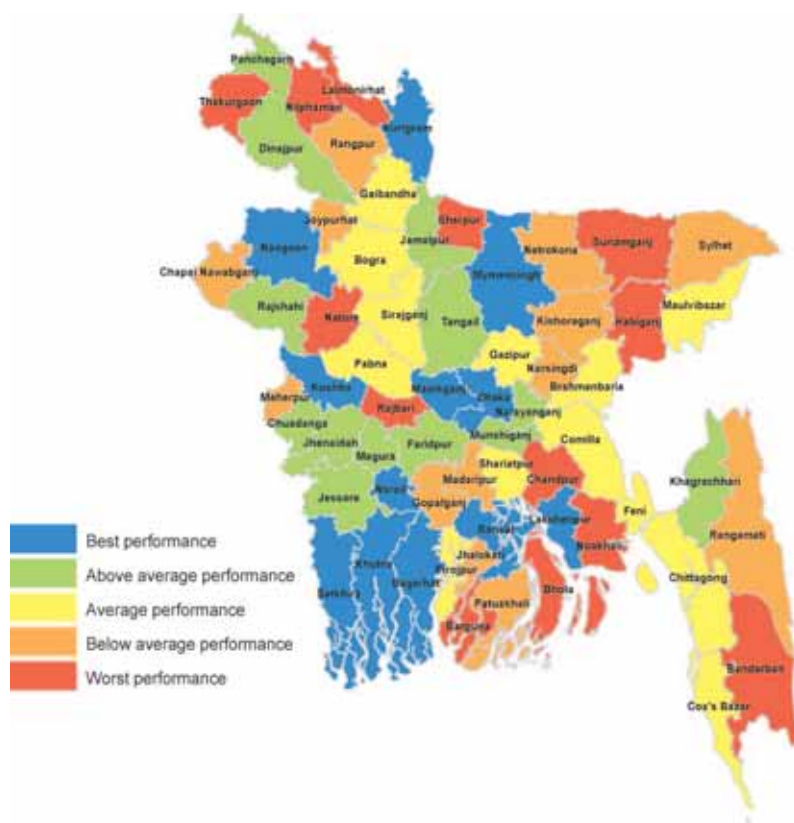
Table 17, Annex A, shows that only 14.6 per cent of women aged 15-24 years having comprehensive correct knowledge of HIV prevention. The knowledge level was higher among urban women than rural women. At division level, the lowest knowledge level can be found in Sylhet with a rate of just 9.4 per cent and the highest can be found in Khulna with a rate of 19.4 per cent. At the district level, Lalmonirhat had the lowest comprehensive correct knowledge level with only 2.9 per cent, while Kurigram district had the highest level at 26.9 per cent. The percentage of women aged 15-24 with a comprehensive and correct knowledge of HIV prevention 15.8 per cent in 2006, showing a slight decrease between then and 2009.

Further analysis found that the lower percentage of women who know two ways to prevent HIV transmission accounted for the decreased rate of HIV comprehensive correct knowledge. As shown in Figure 23, the proportion of women who know two ways of preventing HIV transmission decreased between 2006 and 2009 while the proportion of women who correctly identify three misconceptions about HIV transmission increased.

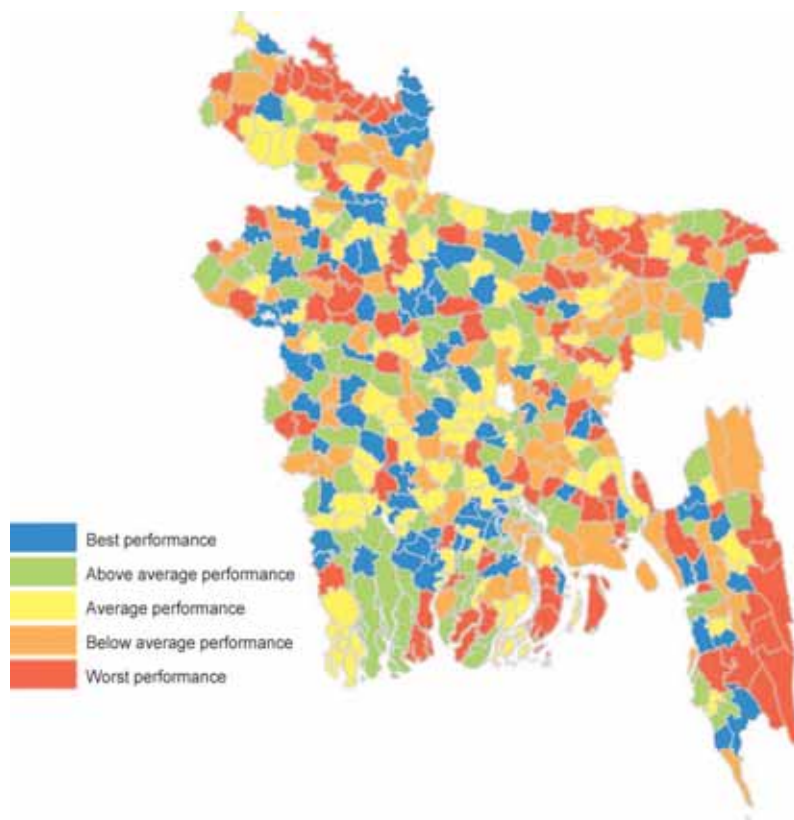
**Figure 23:** Knowledge of HIV and AIDS among women aged 15-24, 2006 and 2009



**Map 14a:** Comprehensive correct knowledge of HIV and AIDS among women aged 15-24 years by district, 2009



**Map 14b:** Comprehensive correct knowledge of HIV and AIDS among women aged 15-24 years by upazila, 2009





viii.

ENVIRONMENT



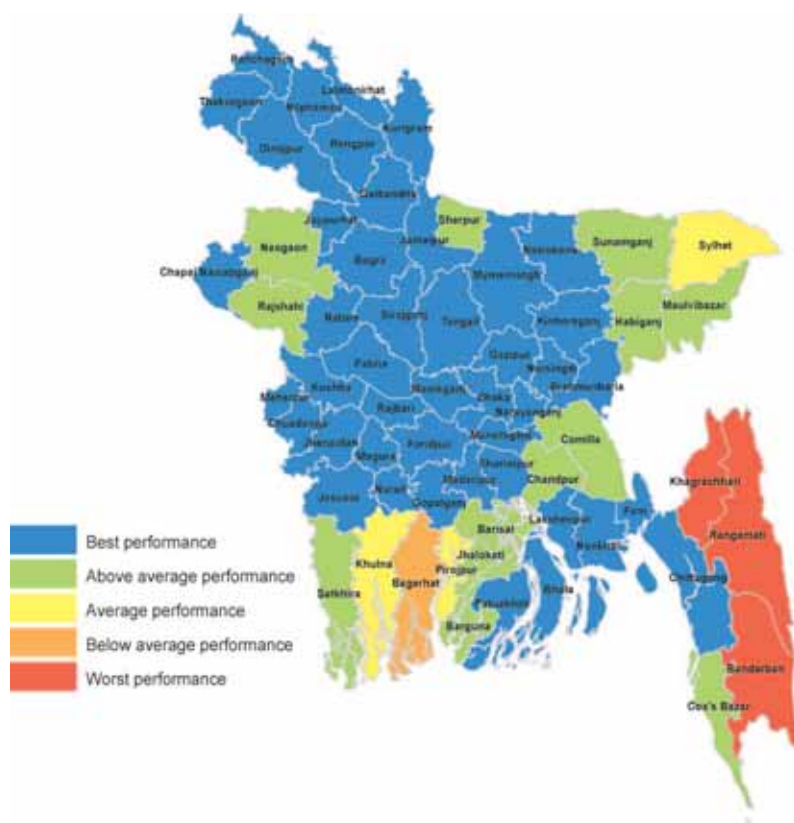
Inadequate access to safe water and sanitation services, coupled with poor hygiene practices, contribute to the morbidity and mortality of thousands of children every day, and impoverishes thousands more, diminishing their future opportunities. This chapter focuses on four indicators to measure the environmental situation in Bangladesh: (1) access to an improved drinking water source, (2) the level of arsenic in household drinking water, (3) awareness of arsenic contamination, and (4) access to improved sanitation.

## IMPROVED WATER SOURCE

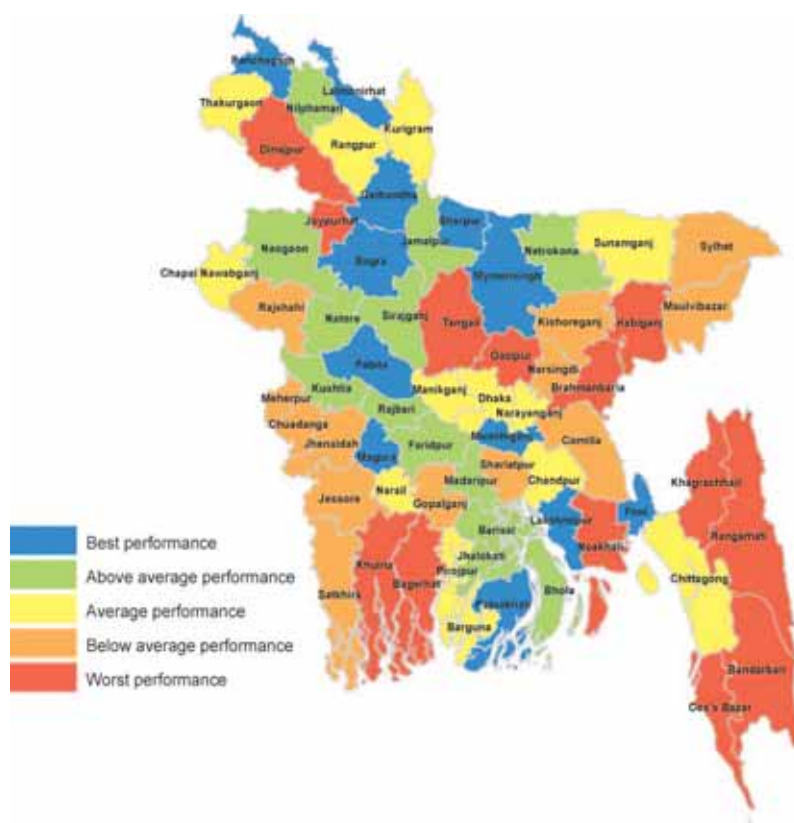
Using unsafe drinking water can lead to diseases such as diarrhoea, cholera, typhoid and schistosomiasis. Drinking water can be tainted with microbiological, chemical, physical and radiological contaminants with harmful effects on human health. Globally, a child dies every 15 seconds from diseases attributable to unsafe drinking water, deplorable sanitation and poor hygiene. Therefore, access to safe drinking water is a basic necessity for good health. MICS 2009 measured households' access to improved water sources based on the assumption that improved sources are more likely to provide safe water. Due to the widespread problem of arsenic contamination in the country, MICS 2009 also included a water quality test to assess the level of arsenic contamination at the household level.

The distribution of the population by source of drinking water is shown in Table 18, Annex A. The population using improved drinking water sources without taking the arsenic contamination into consideration are those who use any of the following types of supply: piped water, public tap, borehole/tubewell, protected well, protected spring or rainwater. Overall, 97.8 per cent of the population used an improved drinking water source, similar to the 97.6 per cent found in 2006. In urban areas it was 99.5 per cent which was marginally higher than 97.4 per cent in rural areas. At the division level, the percentage of improved water source ranged from 91.6 in Sylhet to 99.6 per cent in Dhaka. At the district level, it ranged from 66.5 in Rangamati to 100 per cent in Gazipur.

**Map 15:** Proportion of the population using an improved drinking water source (not adjusted for arsenic contamination) by district, 2009



**Map 16:** Proportion of the population using an improved drinking water source (adjusted for arsenic contamination) by district, 2009



Discounting for arsenic contamination, the proportion of households using an improved drinking water source becomes 85.5 per cent (93.3 per cent for urban and 83.8 per cent for rural) when using the Bangladesh standard. However, using the WHO guideline for arsenic, 75.2 per cent of households are using an improved drinking water source in Bangladesh - 85.3 per cent in urban and 73.0 per cent in rural areas.

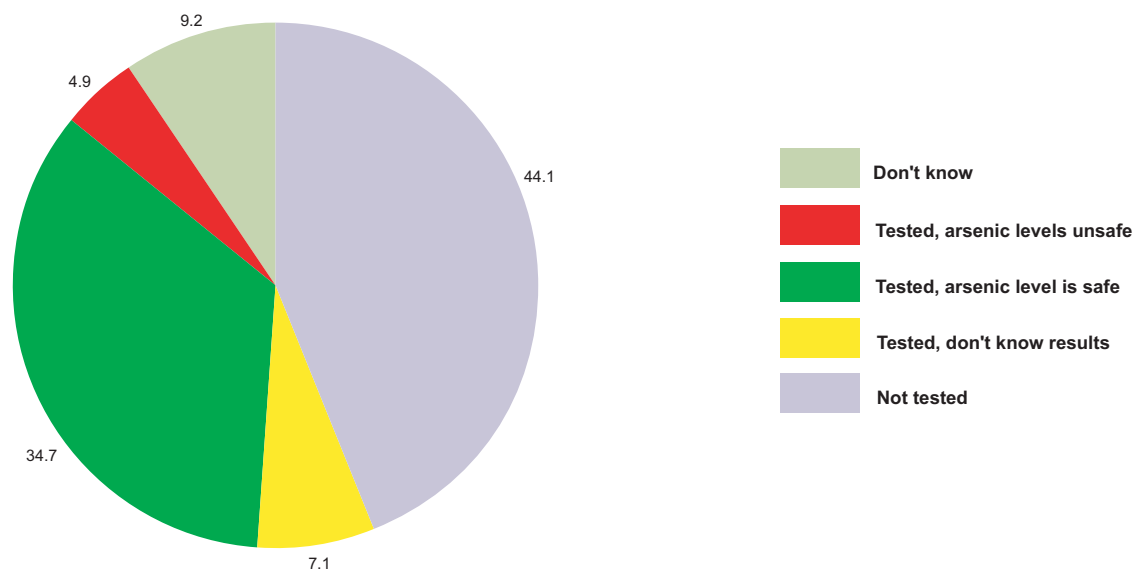
Legend:

- Best performance
- Above average performance
- Average performance
- Below average performance
- Worst performance

## AWARENESS OF ARSENIC CONTAMINATION

Some 44.1 per cent of household members knew that their water source has not been tested for arsenic content. Some 9.2 per cent of household members did not know whether their water source has been tested or not, while another 7.1 per cent of household members knew their water source was tested for arsenic content but did not know the result. About 40 per cent of household members knew that their tube-wells were tested and were aware of the results.

**Figure 24:** Households using a tube well that are aware that their water source has been tested for arsenic contamination, 2009



In 2009, the proportion of households not testing for arsenic contamination is higher than in 2006 (44.1 vs. 37.5 per cent). Furthermore, the combination of those who were not aware of whether their water source was tested (9.2 per cent) and those who tested but did not have the results (7.1 per cent) is a significant proportion at 16.3 per cent. This shows a worrying trend. There is a need for renewed attention on the testing and marking of tube wells.

## SANITATION

Inadequate disposal of human excreta and lack of personal hygiene are linked to a range of diseases including diarrhoea and polio. The UNICEF and WHO Joint Monitoring Programme (JMP) for Water Supply and Sanitation defines improved sanitation facilities as "facilities that ensure hygienic separation of human excreta from human contact. These include: (1) Flush or pour-flush toilet/latrine to: piped sewer system; septic tank; and pit latrine; (2) Ventilated improved pit (VIP) latrine; (3) Pit latrine with slab; and (4) Composting toilet."

In Table 21, Annex A, coverage figures have been calculated using two different definitions. The first follows the Government of Bangladesh's (GoB) definition, as explained in the National Sanitation Strategy 2005. The other follows the definition used by the UNICEF-WHO Joint Monitoring Programme (JMP), which compiles and analyses data for the water and sanitation sector globally and in a way that makes country comparisons possible. These definitions are captured in the box below.

| Hygienic sanitation facilities as defined by the Government of Bangladesh National Sanitation Strategy 2005*                                                                                                                                                                                                                                                                                                                                                                                                                                       | Improved sanitation facilities as defined by the UNICEF-WHO Joint Monitoring Programme for Water and Sanitation                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Facilities that are <b>individual or shared by a maximum two households</b> of the following type:</p> <ul style="list-style-type: none"> <li>● Flush or pour-flush toilet/latrine to <ul style="list-style-type: none"> <li>— Piped sewer system</li> <li>— Septic tank</li> </ul> </li> <li>● Pit latrine with slab and water seal</li> <li>● Pit latrine with slab and lid, no water seal</li> <li>● Pit latrine with slab and flap, no water seal</li> <li>● Ventilated Improved Pit (VIP) latrine</li> <li>● Composting latrine</li> </ul> | <p><b>Individual</b> facilities of the following technology type:</p> <ul style="list-style-type: none"> <li>● Flush or pour-flush toilet/latrine to <ul style="list-style-type: none"> <li>— Piped sewer system</li> <li>— Septic tank</li> </ul> </li> <li>● Pit latrine with slab and water seal</li> <li>● Pit latrine with slab and lid, no water seal</li> <li>● Pit latrine with slab and flap, no water seal</li> <li>● Pit latrine with slab but no lid nor water seal</li> <li>● Ventilated Improved Pit (VIP) latrine</li> <li>● Composting latrine</li> </ul> |

\* The use of a vent pipe has not been considered in this report.

The definitions are quite similar, but the JMP definition is stricter on the sharing aspect, while the GoB definition focuses on the technology in terms of acceptability.

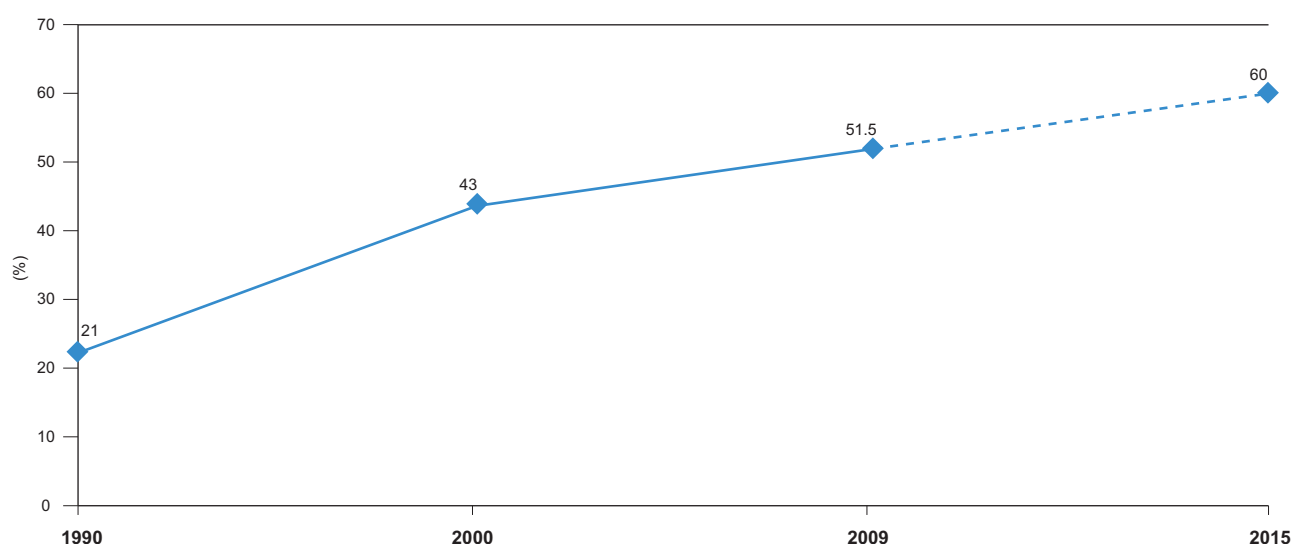
By Government standards some 51.5 per cent of households in Bangladesh are using a hygienic sanitation facility. Within the divisions, Chittagong shows the best performance with 62 per cent of households using a hygienic sanitation facility, while Sylhet has the worst performance with 43 per cent. There is no marked variation between rural and urban locations when the Bangladesh standard is used.

Household access to improved sanitation increases slightly to 54.1 per cent when the JMP definition is applied. In the slums only 8.5 per cent of households are using an improved sanitation facility as per the JMP standard, as a result of the large proportion of households that share a toilet. When the Government standard is applied, this proportion rises to 12 per cent.

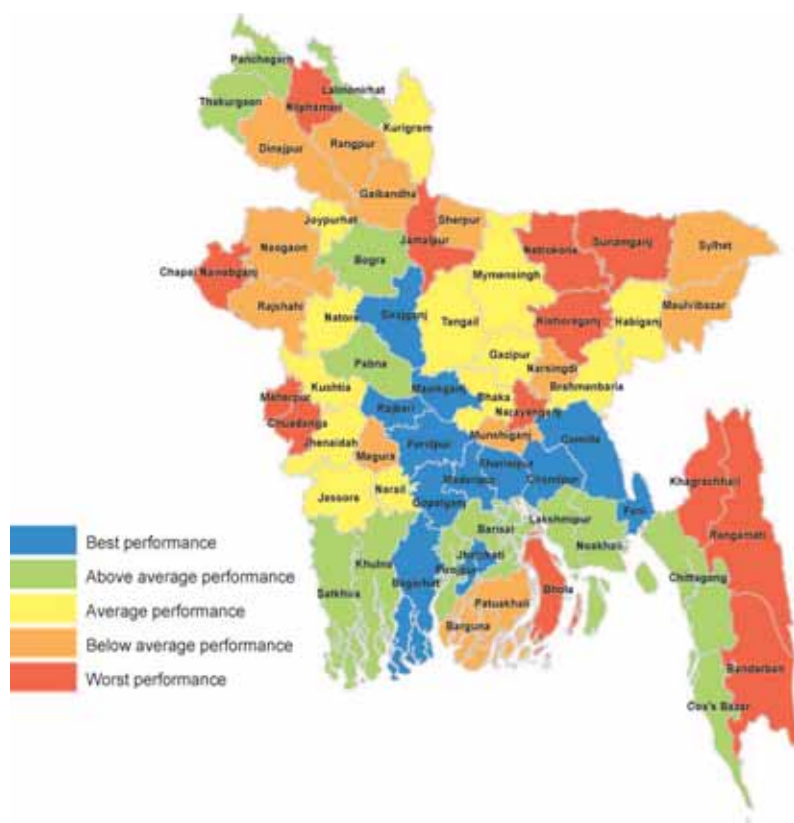
The MICS 2009 found that the proportion of households practicing open defecation fell from 7.5 per cent in 2006 to 5.7 per cent in 2009.

Based on the current trend, the sanitation coverage will reach 61 per cent in 2015 which would put Bangladesh on track to achieve its MDG target of 60 per cent. However, the Government's goal of 100 per cent sanitation coverage by 2013 will not be achieved on current trends.

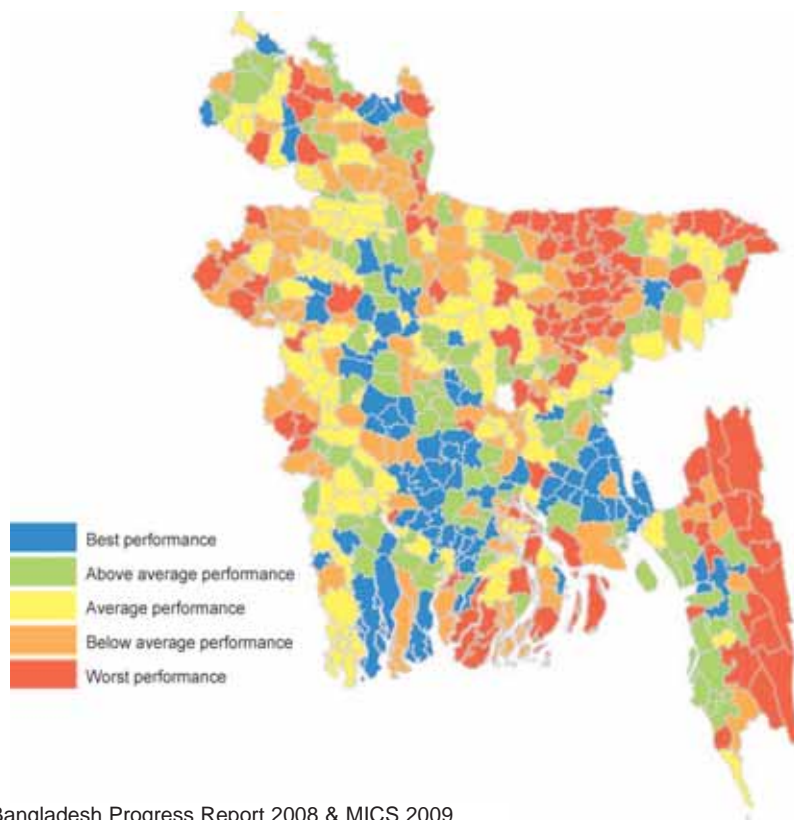
**Figure 25:** Trend in sanitation coverage 1990-2015



**Map 18a:** Proportion of the population using a hygienic (GoB definition) sanitation facility by district, 2009



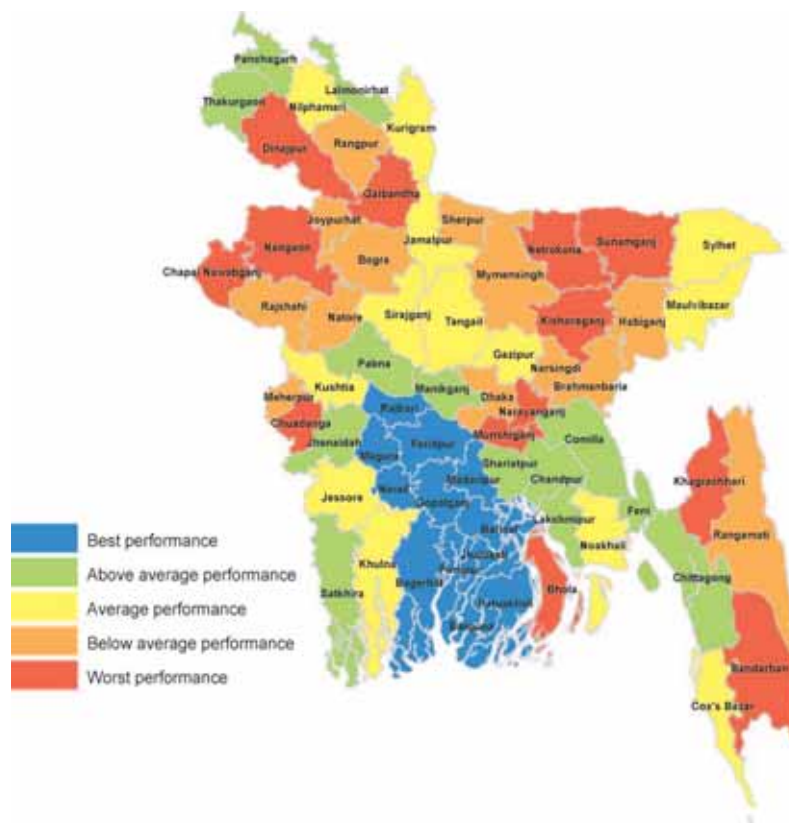
**Map 18b:** Proportion of the population using a hygienic (GoB definition) sanitation facility by upazila, 2009



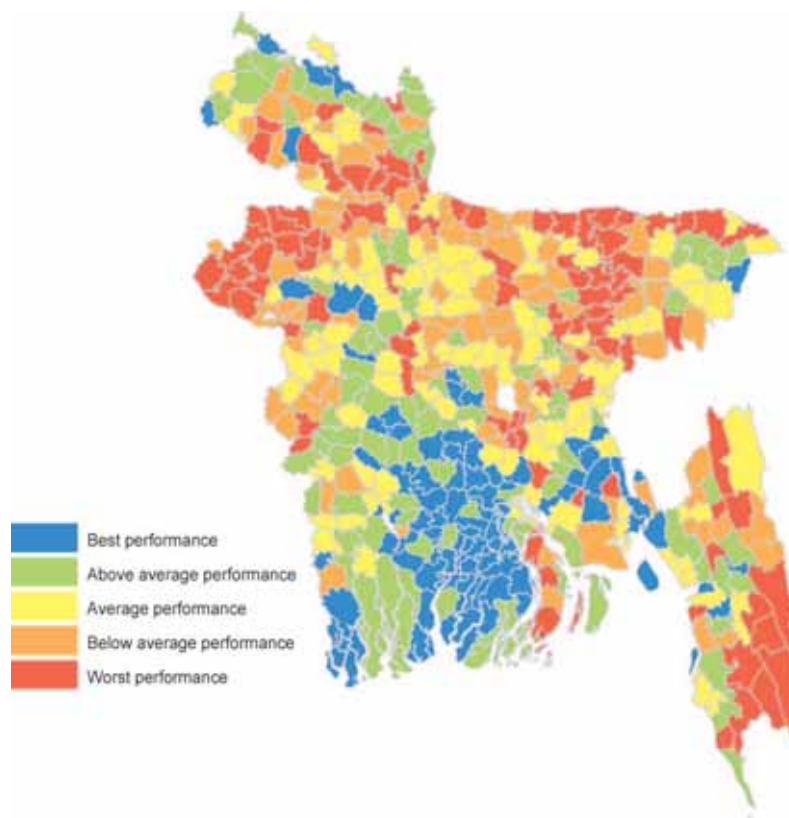
Source: MDG Bangladesh Progress Report 2008 & MICS 2009



**Map 18c:** Proportion of the population using an improved sanitation facility (JMP definition) by district, 2009



**Map 18d:** Proportion of the population using an improved sanitation facility (JMP definition) by upazila, 2009



viii.

CHILD PROTECTION

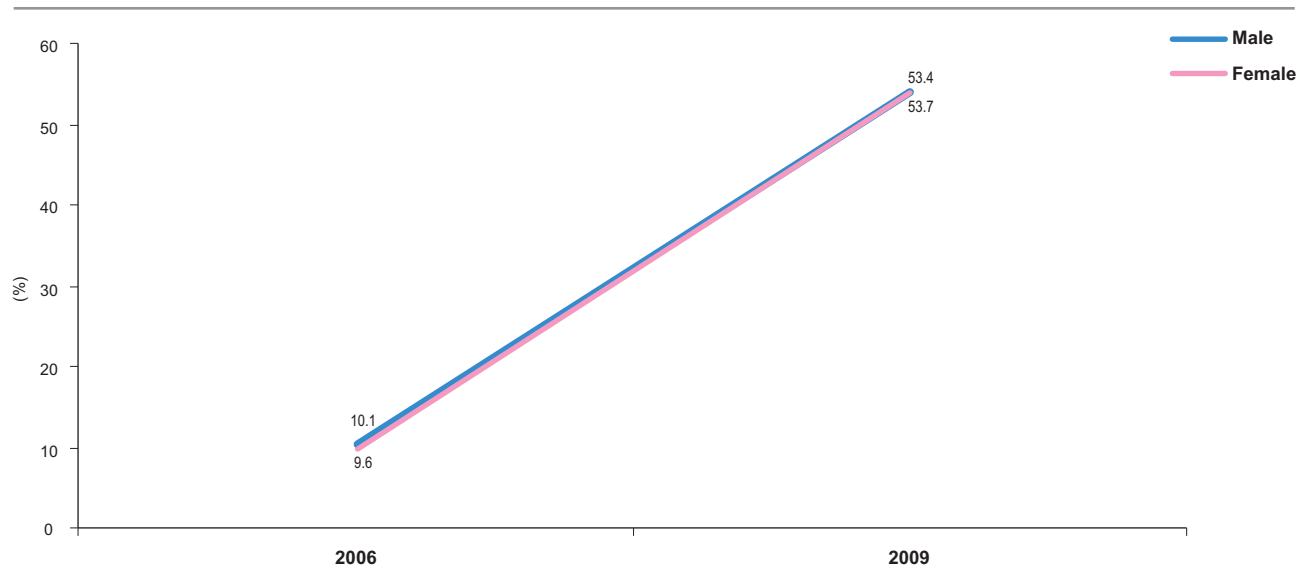


## BIRTH REGISTRATION

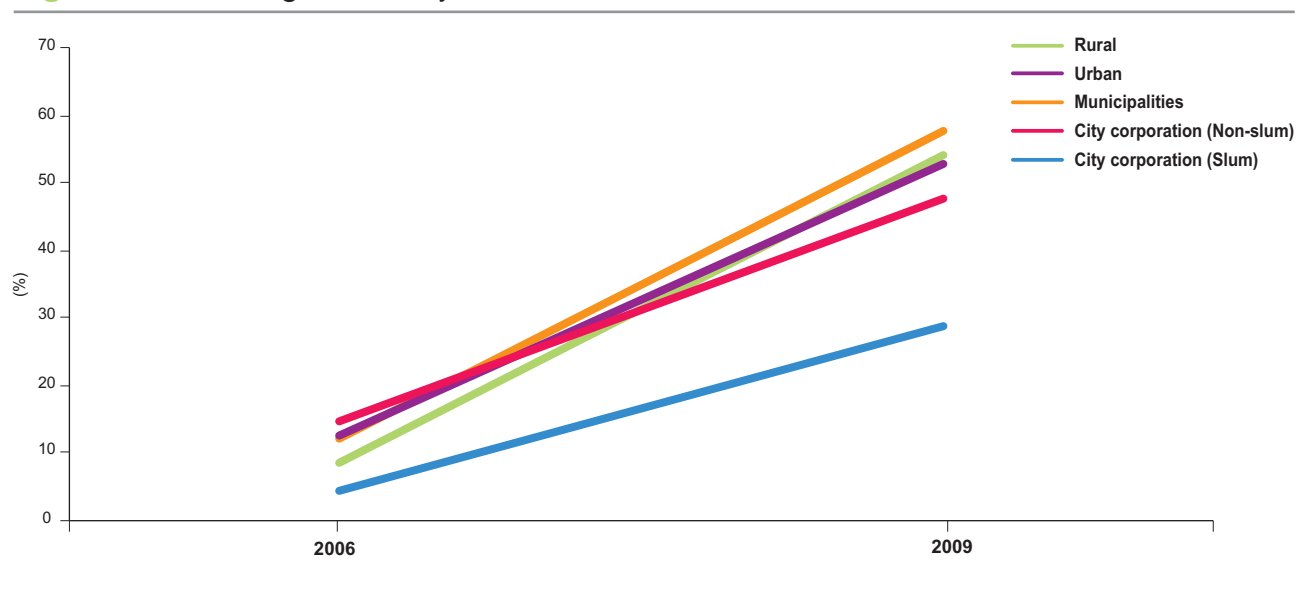
The International Convention on the Rights of the Child (CRC) states that every child has the right to a name and a nationality and the right to protection from being deprived of his or her identity. Birth registration is a fundamental means of securing these rights for children. The MICS considered a birth as registered if either a birth certificate was seen by the interviewer or the mother or caretaker reported that the birth had been registered with the civil authorities.

In Bangladesh, 53.6 per cent of children under the age of five had been registered (Table 22, Annex A), a dramatic increase on the 9.8 per cent figure in 2006. Birth registration increased for both boys and girls and in both urban and rural areas. In addition, there was little difference in the actual rates across genders and between urban and rural areas in 2009. Within urban areas, municipalities had the highest rate of birth registration. At divisional level, the registration rate ranged from 46.8 in Barisal to 62.3 in Khulna. At the district level, it ranged from 26.5 in Bhola to 74.7 per cent in Narail.

**Figure 26:** Birth registration by gender, 2006 and 2009

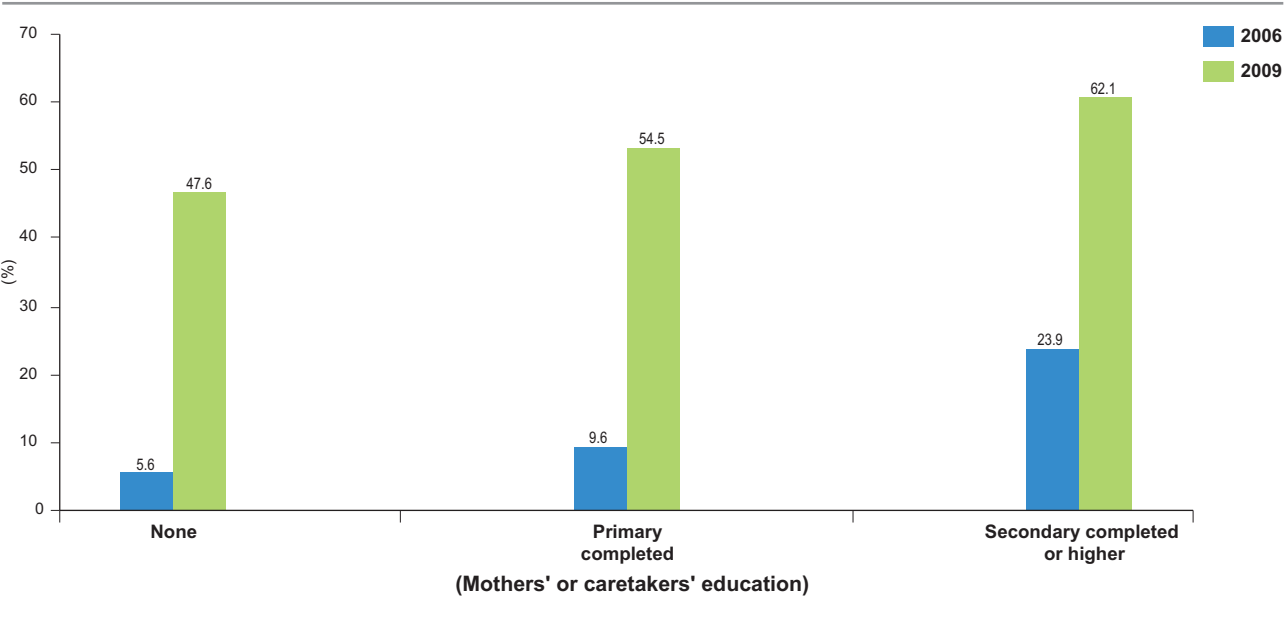


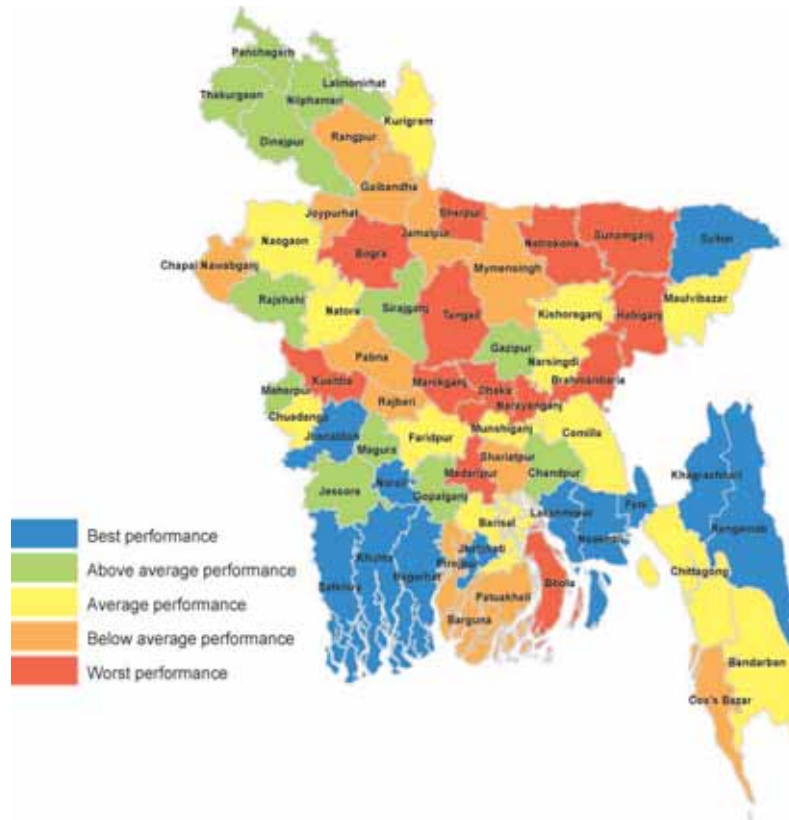
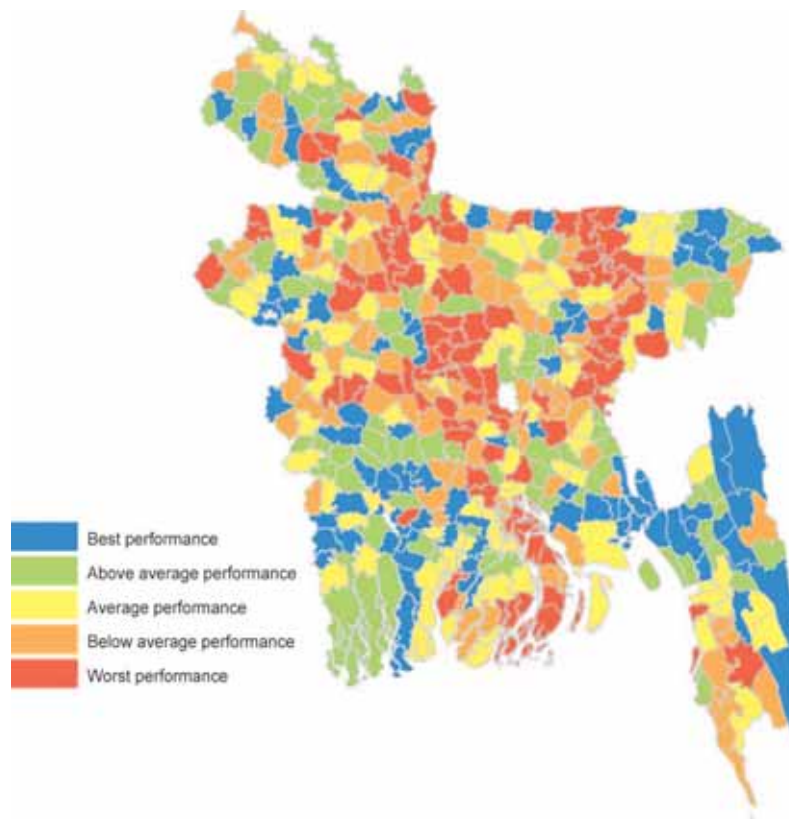
**Figure 27:** Birth registration by area, 2006 and 2009



The education of mothers and caretakers has a positive relationship with the rate of birth registration. In both 2006 and 2009, the highest rate of birth registration can be found among women who completed secondary school or higher. The rate increased almost evenly at every level of e mothers' or caretakers' education in 2009 as compared to 2006 (Figure 28).

**Figure 28:** Birth registration by the level of education of mothers or caretakers, 2006 and 2009



**Map 19a:** Birth registration of children under five by district, 2009**Map 19b:** Birth registration of children under five by upazila, 2009

## CHILD LABOUR

The 2009 MICS collected data on children aged 6-14 who do not attend school but engage in paid or unpaid work.

Table 23, Annex A, shows that nationally, 2.3 per cent of children aged 6-14 years who were not attending school were engaged in child labour; 2.9 per cent for boys and 1.7 for girls. In both rural and urban areas, boys were more likely than girls to be engaged in child labour. The gender gap was wider in rural areas than in urban areas. In the city corporation non-slums, girls children were more likely than boys to be engaged in child labour. In the slums, the prevalence rate was almost the same for both genders.

At the sub-national level, the division with the highest prevalence of child labour was Chittagong where 3.0 per cent of children were engaged in child labour, while the lowest rate was recorded in Sylhet (1.8 per cent). There is a substantial variation at the district level, with a nine-fold difference between the highest rate in Natore district, with a rate of 7.2 per cent, and Joypurhat and Pabna districts, with a rate of 0.8 per cent.

**Figure 29:** Percentage of children aged 6-14 years who are involved in child labour activities by gender and area, 2009

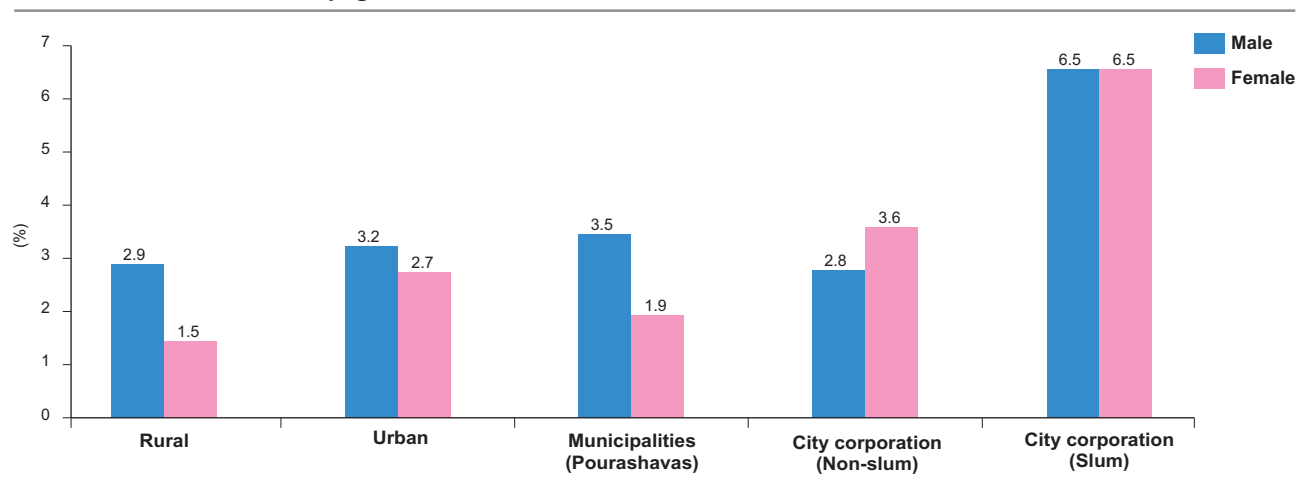
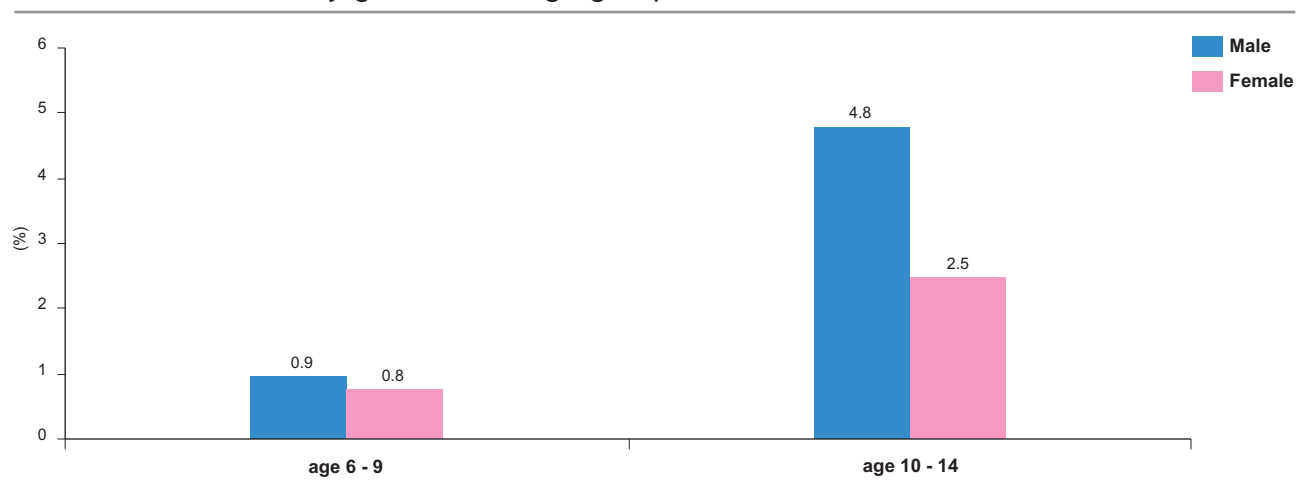
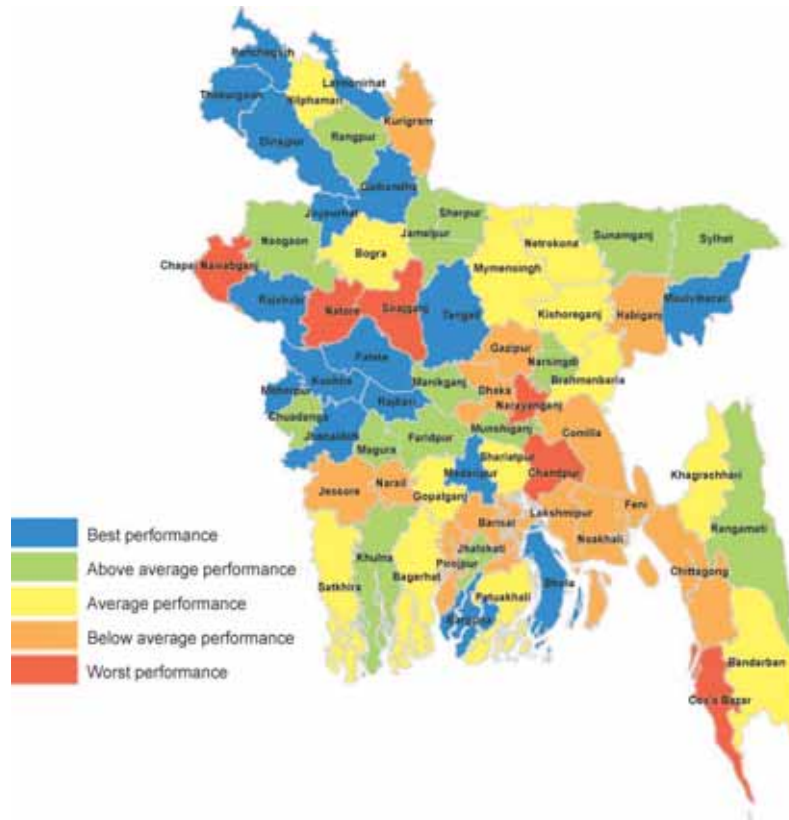
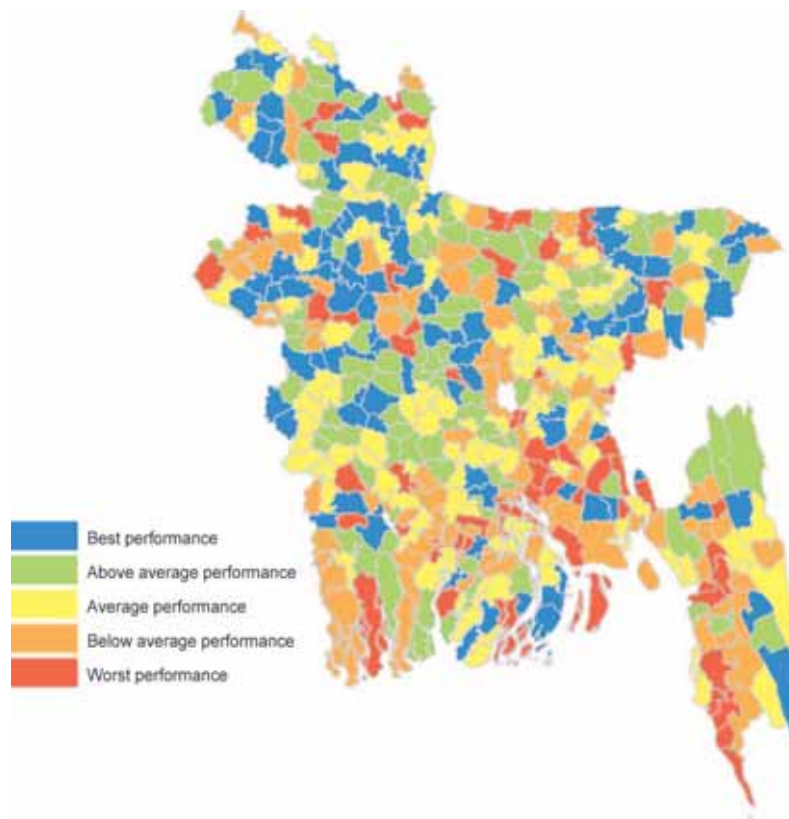


Figure 30 shows that older children (aged 10-14 years) are more likely to be engaged in child labour than younger children (aged 6-9). Some 4.8 per cent of boys aged 10-14 were involved in child labour activities compared with less than one per cent of 6-9 year-old boys.

**Figure 30:** Percentage of children aged 6-14 years who are involved in child labour activities by gender and age group, 2009



**Map 20a:** Children aged 6-14 years who are involved in child labour activities by district, 2009**Map 20b:** Children aged 6-14 years who are involved in child labour activities by upazila, 2009

# ANNEXES

|                 |                                                 |
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## ANNEX A: DATA TABLES

**Table 1:** Results of household and individual interviews

|                                  | Area    |        |              |                  |       | National |
|----------------------------------|---------|--------|--------------|------------------|-------|----------|
|                                  | Rural   | Urban  |              |                  |       |          |
|                                  |         | Total  | Municipality | City Corporation | Slum  |          |
| Sampled households               | 250,119 | 49,881 | 38,401       | 8,800            | 2,680 | 300,000  |
| Occupied households              | 250,109 | 49,879 | 38,399       | 8,800            | 2,680 | 299,988  |
| Interviewed households           | 250,008 | 49,834 | 38,361       | 8,796            | 2,677 | 299,842  |
| Household response rate          | 99.96   | 99.91  | 99.9         | 99.95            | 99.89 | 99.95    |
| Eligible women                   | 276,567 | 59,720 | 45,260       | 11,216           | 3,244 | 336,287  |
| Interviewed women                | 273,877 | 59,324 | 44,933       | 11,155           | 3,236 | 333,201  |
| Women response rate              | 99.03   | 99.34  | 99.28        | 99.46            | 99.75 | 99.08    |
| Women's overall response rate    | 98.99   | 99.25  | 99.18        | 99.41            | 99.64 | 99.03    |
| Eligible children under five     | 119,485 | 21,375 | 16,515       | 3,615            | 1,245 | 140,860  |
| Mother/Caretaker Interviewed     | 118,361 | 21,227 | 16,396       | 3,592            | 1,239 | 139,588  |
| Child response rate              | 99.06   | 99.31  | 99.28        | 99.36            | 99.52 | 99.10    |
| Children's overall response rate | 99.02   | 99.22  | 99.18        | 99.32            | 99.41 | 99.05    |



**Table 2: Household population by age group and sex**

Percent distribution of the household population by five-year age groups and dependency age groups, and number of children aged 0-17 years

|                       |                    | Sex     |         |         |         | Total     |         |
|-----------------------|--------------------|---------|---------|---------|---------|-----------|---------|
|                       |                    | Male    |         | Female  |         | Number    | Percent |
|                       |                    | Number  | Percent | Number  | Percent |           |         |
| Age                   | 0-4                | 71,338  | 10.3    | 66,983  | 10.1    | 138,321   | 10.2    |
|                       | 5-9                | 92,973  | 13.4    | 87,062  | 13.2    | 180,035   | 13.3    |
|                       | 10-14              | 84,917  | 12.2    | 84,953  | 12.9    | 169,871   | 12.5    |
|                       | 15-19              | 63,868  | 9.2     | 47,128  | 7.1     | 110,996   | 8.2     |
|                       | 20-24              | 59,048  | 8.5     | 68,549  | 10.4    | 127,597   | 9.4     |
|                       | 25-29              | 57,979  | 8.4     | 65,576  | 9.9     | 123,555   | 9.1     |
|                       | 30-34              | 45,620  | 6.6     | 49,059  | 7.4     | 94,679    | 7.0     |
|                       | 35-39              | 47,409  | 6.8     | 47,170  | 7.1     | 94,579    | 7.0     |
|                       | 40-44              | 39,515  | 5.7     | 34,940  | 5.3     | 74,455    | 5.5     |
|                       | 45-49              | 33,694  | 4.9     | 25,900  | 3.9     | 59,595    | 4.4     |
|                       | 50-54              | 27,187  | 3.9     | 31,066  | 4.7     | 58,253    | 4.3     |
|                       | 55-59              | 20,806  | 3.0     | 15,030  | 2.3     | 35,836    | 2.6     |
|                       | 60-64              | 18,421  | 2.7     | 14,199  | 2.1     | 32,620    | 2.4     |
|                       | 65-69              | 10,963  | 1.6     | 7,871   | 1.2     | 18,834    | 1.4     |
|                       | 70-74              | 9,688   | 1.4     | 7,181   | 1.1     | 16,869    | 1.2     |
|                       | 75-79              | 4,459   | 0.6     | 2,888   | 0.4     | 7,347     | 0.5     |
|                       | 80-84              | 3,408   | 0.5     | 2,730   | 0.4     | 6,138     | 0.5     |
|                       | 85-90              | 1,198   | 0.2     | 963     | 0.1     | 2,161     | 0.2     |
|                       | 90+                | 1,262   | 0.2     | 1,290   | 0.2     | 2,552     | 0.2     |
|                       | Missing/DK         | 209     | 0       | 319     | 0       | 528       | 0       |
| Dependency age groups | <15                | 249,228 | 35.9    | 238,999 | 36.2    | 488,227   | 36      |
|                       | 15-64              | 413,549 | 59.6    | 398,617 | 60.3    | 812,166   | 59.9    |
|                       | 65+                | 30,977  | 4.5     | 22,923  | 3.5     | 53,901    | 4       |
|                       | Missing/DK         | 209     | 0       | 319     | 0       | 528       | 0       |
| Age                   | Children aged 0-17 | 288,816 | 41.6    | 261,968 | 39.6    | 550,784   | 40.7    |
|                       | Adults 18+         | 404,938 | 58.4    | 398,571 | 60.3    | 803,509   | 59.3    |
|                       | Missing/DK         | 209     | 0       | 319     | 0       | 528       | 0       |
| Total                 |                    | 693,963 | 100     | 660,858 | 100     | 1,354,821 | 100     |

**Table 3:** Timely initiation of breastfeeding

Percentage of women aged 15-49 years with a birth in the two years preceding the survey who breastfed their baby within one hour of birth and within one day of birth

|                         |                            |              | Percentage<br>who started<br>breastfeeding<br>within one<br>hour of birth* | Percentage<br>who started<br>breastfeeding<br>within one<br>day of birth | Number of<br>women with live<br>birth in the two<br>years preceding<br>the survey |       |
|-------------------------|----------------------------|--------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| Area                    | Rural                      |              | 50.2                                                                       | 90.0                                                                     | 211,459                                                                           |       |
|                         | Urban                      |              | 50.4                                                                       | 86.7                                                                     | 43,241                                                                            |       |
|                         | Municipality               |              | 48.6                                                                       | 87.7                                                                     | 33,279                                                                            |       |
|                         | City corporation           |              | 53.0                                                                       | 85.8                                                                     | 7,554                                                                             |       |
|                         | Slum                       |              | 38.5                                                                       | 79.0                                                                     | 2,408                                                                             |       |
| Months since last birth | < 6 months                 |              | 50.6                                                                       | 89.1                                                                     | 9,527                                                                             |       |
|                         | 6-11 months                |              | 49.7                                                                       | 89.0                                                                     | 9,284                                                                             |       |
|                         | 12-23 months               |              | 50.8                                                                       | 90.2                                                                     | 30,371                                                                            |       |
| Education of women      | None                       |              | 50.1                                                                       | 88.2                                                                     | 95,089                                                                            |       |
|                         | Primary incomplete         |              | 49.8                                                                       | 90.0                                                                     | 45,013                                                                            |       |
|                         | Primary completed          |              | 50.7                                                                       | 90.4                                                                     | 35,330                                                                            |       |
|                         | Secondary incomplete       |              | 49.9                                                                       | 89.7                                                                     | 55,029                                                                            |       |
|                         | Secondary completed        |              | 51.3                                                                       | 90.5                                                                     | 15,310                                                                            |       |
|                         | Higher Secondary completed |              | 51.6                                                                       | 89.1                                                                     | 5,039                                                                             |       |
|                         | Degree and above           |              | 52.3                                                                       | 87.0                                                                     | 3,235                                                                             |       |
|                         | No class system            |              | 45.2                                                                       | 89.1                                                                     | 375                                                                               |       |
|                         | Missing/DK                 |              | 44.1                                                                       | 88.8                                                                     | 280                                                                               |       |
| Division                | Barisal                    |              | 50.8                                                                       | 92.8                                                                     | 20,976                                                                            |       |
|                         | Chittagong                 |              | 50.2                                                                       | 92.4                                                                     | 50,963                                                                            |       |
|                         | Dhaka                      |              | 51.7                                                                       | 87.5                                                                     | 65,232                                                                            |       |
|                         | Khulna                     |              | 49.0                                                                       | 87.7                                                                     | 33,569                                                                            |       |
|                         | Rajshahi                   |              | 46.9                                                                       | 88.5                                                                     | 64,485                                                                            |       |
|                         | Sylhet                     |              | 59.1                                                                       | 93.5                                                                     | 19,475                                                                            |       |
|                         | Barisal                    | Barguna      | 53.9                                                                       | 93.1                                                                     | 2,748                                                                             |       |
|                         |                            | Barisal      | 50.1                                                                       | 90.7                                                                     | 5,475                                                                             |       |
|                         |                            | Bhola        | 39.8                                                                       | 95.6                                                                     | 3,585                                                                             |       |
|                         |                            | Jhalokati    | 50.5                                                                       | 91.8                                                                     | 2,176                                                                             |       |
|                         |                            | Patuakhali   | 63.3                                                                       | 94.7                                                                     | 3,542                                                                             |       |
|                         |                            | Pirojpur     | 49.7                                                                       | 90.7                                                                     | 3,450                                                                             |       |
|                         | Chittagong                 | Bandarban    | 44.0                                                                       | 85.8                                                                     | 3,405                                                                             |       |
|                         |                            | Brahmanbaria | 41.9                                                                       | 89.1                                                                     | 3,798                                                                             |       |
|                         |                            | Chandpur     | 52.8                                                                       | 94.3                                                                     | 3,853                                                                             |       |
|                         |                            | Chittagong   | 39.1                                                                       | 90.6                                                                     | 8,740                                                                             |       |
|                         |                            | Comilla      | 59.5                                                                       | 91.6                                                                     | 8,051                                                                             |       |
|                         |                            | Cox's Bazar  | 59.3                                                                       | 91.4                                                                     | 3,910                                                                             |       |
|                         |                            | Feni         | 62.4                                                                       | 97.1                                                                     | 3,286                                                                             |       |
|                         |                            | Khagrachhari | 36.6                                                                       | 92.6                                                                     | 3,851                                                                             |       |
|                         |                            | Lakshmipur   | 49.5                                                                       | 96.6                                                                     | 2,677                                                                             |       |
|                         |                            | Noakhali     | 58.8                                                                       | 96.5                                                                     | 4,552                                                                             |       |
|                         |                            | Rangamati    | 49.2                                                                       | 88.5                                                                     | 4,840                                                                             |       |
|                         |                            | Dhaka        | Dhaka                                                                      | 54.6                                                                     | 84.8                                                                              | 6,677 |
|                         |                            |              | Faridpur                                                                   | 61.7                                                                     | 92.8                                                                              | 4,383 |
|                         | Gazipur                    |              | 52.3                                                                       | 88.6                                                                     | 2,709                                                                             |       |
|                         | Gopalganj                  |              | 44.8                                                                       | 89.2                                                                     | 2,756                                                                             |       |

|                 |             | Percentage<br>who started<br>breastfeeding<br>within one<br>hour of birth* | Percentage<br>who started<br>breastfeeding<br>within one<br>day of birth | Number of<br>women with live<br>birth in the two<br>years preceding<br>the survey |
|-----------------|-------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                 | Jamalpur    | 48.1                                                                       | 88.0                                                                     | 3,522                                                                             |
|                 | Kishorganj  | 59.4                                                                       | 92.1                                                                     | 5,974                                                                             |
|                 | Madaripur   | 58.3                                                                       | 93.0                                                                     | 2,282                                                                             |
|                 | Manikganj   | 68.9                                                                       | 94.9                                                                     | 3,624                                                                             |
|                 | Munshiganj  | 43.3                                                                       | 83.7                                                                     | 3,344                                                                             |
|                 | Mymensingh  | 50.9                                                                       | 88.4                                                                     | 5,500                                                                             |
|                 | Narayanganj | 31.8                                                                       | 82.1                                                                     | 2,784                                                                             |
|                 | Narsingdi   | 52.1                                                                       | 89.2                                                                     | 3,247                                                                             |
|                 | Netrakona   | 59.8                                                                       | 91.3                                                                     | 4,635                                                                             |
|                 | Rajbari     | 29.3                                                                       | 80.0                                                                     | 2,357                                                                             |
|                 | Shariatpur  | 43.7                                                                       | 86.0                                                                     | 3,030                                                                             |
|                 | Sherpur     | 52.6                                                                       | 80.8                                                                     | 2,598                                                                             |
|                 | Tangail     | 49.3                                                                       | 89.6                                                                     | 5,810                                                                             |
| Khulna          | Bagerhat    | 53.5                                                                       | 89.7                                                                     | 4,339                                                                             |
|                 | Chuadanga   | 43.0                                                                       | 82.2                                                                     | 2,332                                                                             |
|                 | Jessore     | 48.3                                                                       | 89.0                                                                     | 4,179                                                                             |
|                 | Jhenaidah   | 37.7                                                                       | 81.2                                                                     | 3,330                                                                             |
|                 | Khulna      | 54.3                                                                       | 88.3                                                                     | 6,262                                                                             |
|                 | Kushtia     | 38.2                                                                       | 84.5                                                                     | 3,158                                                                             |
|                 | Magura      | 54.4                                                                       | 90.9                                                                     | 2,508                                                                             |
|                 | Meherpur    | 47.1                                                                       | 90.8                                                                     | 1,905                                                                             |
|                 | Narail      | 59.9                                                                       | 89.4                                                                     | 1,928                                                                             |
|                 | Satkhira    | 59.3                                                                       | 93.2                                                                     | 3,628                                                                             |
| Rajshahi        | Bogra       | 49.8                                                                       | 91.2                                                                     | 5,741                                                                             |
|                 | Dinajpur    | 52.2                                                                       | 91.9                                                                     | 6,413                                                                             |
|                 | Gaibandha   | 44.5                                                                       | 78.8                                                                     | 3,466                                                                             |
|                 | Joypurhat   | 42.1                                                                       | 86.2                                                                     | 2,688                                                                             |
|                 | Kurigram    | 38.0                                                                       | 86.5                                                                     | 4,459                                                                             |
|                 | Lalmonirhat | 36.6                                                                       | 87.5                                                                     | 2,877                                                                             |
|                 | Naogaon     | 48.6                                                                       | 90.0                                                                     | 5,589                                                                             |
|                 | Natore      | 32.8                                                                       | 92.0                                                                     | 3,015                                                                             |
|                 | Nawabganj   | 54.8                                                                       | 93.4                                                                     | 2,917                                                                             |
|                 | Nilphamari  | 48.3                                                                       | 92.6                                                                     | 3,283                                                                             |
| Sylhet          | Pabna       | 45.6                                                                       | 86.5                                                                     | 4,384                                                                             |
|                 | Panchagarh  | 39.9                                                                       | 89.0                                                                     | 2,817                                                                             |
|                 | Rajshahi    | 50.8                                                                       | 90.0                                                                     | 5,773                                                                             |
|                 | Rangpur     | 44.5                                                                       | 80.1                                                                     | 4,047                                                                             |
|                 | Sirajganj   | 52.1                                                                       | 91.7                                                                     | 4,336                                                                             |
|                 | Thakurgaon  | 56.9                                                                       | 92.6                                                                     | 2,680                                                                             |
|                 | Habiganj    | 55.3                                                                       | 96.6                                                                     | 3,929                                                                             |
|                 | Maulvibazar | 69.1                                                                       | 93.8                                                                     | 3,658                                                                             |
|                 | Sunamganj   | 61.5                                                                       | 91.5                                                                     | 5,430                                                                             |
|                 | Sylhet      | 53.0                                                                       | 92.9                                                                     | 6,458                                                                             |
| <b>National</b> |             | <b>50.2</b>                                                                | <b>89.3</b>                                                              | <b>254,700</b>                                                                    |

**Table 4:** Infant mortality rate (IMR) and under five mortality rate (U5MR)  
Probability of dying by exact age of one year and exact age of five years

|          |                  | IMR          | U5MR |
|----------|------------------|--------------|------|
| Sex      | Male             | 54           | 72   |
|          | Female           | 43           | 55   |
| Area     | Rural            | 50           | 66   |
|          | Urban            | 42           | 53   |
|          | Municipality     | 46           | 59   |
|          | City corporation | 34           | 42   |
| Division | Slum             | 68           | 95   |
|          | Barisal          | 46           | 60   |
|          | Chittagong       | 44           | 57   |
|          | Dhaka            | 51           | 67   |
|          | Khulna           | 44           | 57   |
|          | Rajshahi         | 51           | 67   |
|          | Sylhet           | 56           | 74   |
|          | Barisal          | Barguna      | 50   |
|          |                  | Barisal      | 46   |
|          |                  | Bhola        | 40   |
|          |                  | Jhalokati    | 44   |
|          |                  | Patuakhali   | 47   |
|          |                  | Pirojpur     | 54   |
|          | Chittagong       | Bandarban    | 63   |
|          |                  | Brahmanbaria | 45   |
|          |                  | Chandpur     | 50   |
|          |                  | Chittagong   | 40   |
|          |                  | Comilla      | 37   |
|          |                  | Cox's Bazar  | 54   |
|          |                  | Feni         | 40   |
|          |                  | Khagrachhari | 49   |
|          |                  | Lakshmipur   | 55   |
|          |                  | Noakhali     | 44   |
|          |                  | Rangamati    | 36   |
|          |                  | Dhaka        | 40   |
|          |                  | Faridpur     | 47   |
|          |                  | Gazipur      | 44   |
|          |                  | Gopalganj    | 39   |
|          |                  | Jamalpur     | 71   |
|          |                  | Kishoreganj  | 67   |
|          |                  | Madaripur    | 58   |
|          |                  | Manikganj    | 40   |
|          |                  | Munshiganj   | 43   |
|          |                  | Mymensingh   | 48   |
|          |                  | Narayanganj  | 45   |
|          |                  | Narsingdi    | 58   |

|          |           | IMR              | U5MR |    |
|----------|-----------|------------------|------|----|
|          | Netrokona | 66               | 91   |    |
|          |           | Rajbari          | 48   | 62 |
|          |           | Shariatpur       | 48   | 62 |
|          |           | Sherpur          | 69   | 95 |
|          |           | Tangail          | 53   | 70 |
|          | Khulna    | Bagerhat         | 50   | 65 |
|          |           | Chuadanga        | 43   | 55 |
|          |           | Jessore          | 48   | 62 |
|          |           | Jhenaidah        | 44   | 56 |
|          |           | Khulna           | 39   | 49 |
|          |           | Kushtia          | 41   | 52 |
|          |           | Magura           | 37   | 46 |
|          |           | Meherpur         | 40   | 51 |
|          |           | Narail           | 37   | 46 |
|          |           | Satkhira         | 57   | 76 |
|          | Rajshahi  | Bogra            | 54   | 71 |
|          |           | Dinajpur         | 49   | 63 |
|          |           | Gaibandha        | 56   | 74 |
|          |           | Joypurhat        | 52   | 68 |
|          |           | Kurigram         | 46   | 60 |
|          |           | Lalmonirhat      | 50   | 65 |
|          |           | Naogaon          | 46   | 60 |
|          |           | Natore           | 48   | 62 |
|          |           | Chapai Nawabganj | 61   | 83 |
|          |           | Nilphamari       | 48   | 62 |
|          |           | Pabna            | 36   | 44 |
|          |           | Panchagarh       | 49   | 63 |
|          |           | Rajshahi         | 54   | 71 |
|          |           | Rangpur          | 60   | 81 |
|          |           | Sirajganj        | 54   | 72 |
|          |           | Thakurgaon       | 45   | 58 |
|          | Sylhet    | Habiganj         | 50   | 65 |
|          |           | Maulvibazar      | 50   | 66 |
|          |           | Sunamganj        | 68   | 94 |
|          |           | Sylhet           | 52   | 69 |
| National |           | 49               | 64   |    |

**Table 5:** Assistance at delivery

Percentage of women aged 15-49 with a birth in the two years preceding the survey, by type of personnel assisting with the delivery

| Area     | Person assisting at delivery |               |                   |                             |                         |                 |               |              | Total | Any skilled personnel | Number of women who gave birth in preceding two years |
|----------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|-----------------|---------------|--------------|-------|-----------------------|-------------------------------------------------------|
|          | Medical doctor               | Nurse/midwife | Auxiliary/midwife | Traditional birth attendant | Community health worker | Relative/friend | Other/missing | No attendant |       |                       |                                                       |
| Division | Rural                        | 15.9          | 3.3               | 1.2                         | 61.8                    | 1.0             | 16.1          | .4           | 100.0 | 19.2                  | 38,556                                                |
|          | Urban                        | 39.4          | 5.9               | 1.3                         | 44.2                    | .8              | 8.0           | .2           | 100.0 | 45.3                  | 7,417                                                 |
|          | Municipality                 | 30.9          | 7.3               | .8                          | 49.3                    | .6              | 10.7          | .3           | 100.0 | 38.2                  | 5,668                                                 |
|          | City corporation             | 51.3          | 4.3               | 1.9                         | 36.7                    | 1.1             | 4.4           | .1           | 100.0 | 55.6                  | 1,296                                                 |
|          | Slum                         | 14.5          | .6                | .5                          | 70.2                    | 1.4             | 12.3          | .2           | 100.0 | 15.1                  | 453                                                   |
|          | Barisal                      | 11.8          | 3.2               | .5                          | 74.1                    | .8              | 9.2           | .3           | 100.0 | 15.0                  | 3,690                                                 |
|          | Chittagong                   | 17.0          | 3.8               | .9                          | 70.8                    | 1.0             | 6.0           | .3           | 100.0 | 20.8                  | 9,778                                                 |
|          | Dhaka                        | 24.7          | 3.6               | 1.3                         | 55.5                    | .8              | 13.6          | .2           | 100.0 | 28.2                  | 12,093                                                |
|          | Khulna                       | 24.9          | 5.5               | 1.5                         | 54.6                    | .8              | 12.2          | .3           | 100.0 | 30.4                  | 5,413                                                 |
|          | Rajshahi                     | 20.3          | 4.1               | 1.4                         | 46.6                    | 1.2             | 25.4          | .6           | 100.0 | 24.4                  | 10,412                                                |
| Division | Sylhet                       | 12.1          | 2.3               | 1.2                         | 71.0                    | .7              | 11.7          | .5           | 100.0 | 14.4                  | 4,587                                                 |
|          | Barisal                      | 5.2           | 5.1               | .0                          | 84.4                    | .9              | 4.1           | .3           | 100.0 | 10.3                  | 429                                                   |
|          | Barguna                      | 16.4          | 1.7               | .5                          | 71.0                    | 1.4             | 8.2           | .5           | 100.0 | 18.1                  | 996                                                   |
|          | Barisal                      | 5.7           | 3.7               | .2                          | 81.1                    | .2              | 9.2           | .0           | 100.0 | 9.4                   | 648                                                   |
|          | Bhola                        | 19.4          | 4.9               | .0                          | 65.5                    | .4              | 9.5           | .1           | 100.0 | 24.3                  | 374                                                   |
|          | Jhalokati                    | 10.3          | 2.7               | 1.1                         | 73.5                    | .7              | 11.5          | .2           | 100.0 | 13.1                  | 635                                                   |
|          | Patuakhali                   | 15.0          | 4.1               | .8                          | 66.4                    | .9              | 11.9          | .7           | 100.0 | 19.1                  | 608                                                   |
|          | Pirojpur                     | 5.8           | 1.7               | .9                          | 77.8                    | .7              | 12.8          | .0           | 100.0 | 7.6                   | 610                                                   |
|          | Bandarban                    | 12.8          | 1.4               | .3                          | 73.7                    | .6              | 10.1          | .1           | 100.0 | 14.2                  | 772                                                   |
|          | Brahmanbaria                 | 14.7          | 4.4               | .1                          | 73.4                    | .8              | 6.4           | .0           | 100.0 | 19.1                  | 762                                                   |
| Division | Chandpur                     | 28.0          | 4.4               | .6                          | 63.0                    | 1.3             | 2.1           | .3           | 100.0 | 32.4                  | 1,786                                                 |
|          | Chittagong                   | 13.1          | 4.0               | 2.4                         | 70.3                    | 1.3             | 7.9           | .5           | 100.0 | 17.1                  | 1,496                                                 |
|          | Comilla                      | 7.0           | 5.0               | 1.2                         | 77.4                    | 1.3             | 7.5           | .6           | 100.0 | 12.0                  | 749                                                   |
|          | Cox's Bazar                  | 18.6          | 5.2               | .1                          | 71.7                    | .5              | 3.8           | .0           | 100.0 | 23.8                  | 595                                                   |
|          | Feni                         | 7.5           | 1.6               | .1                          | 82.3                    | .2              | 8.1           | .1           | 100.0 | 9.1                   | 843                                                   |
|          | Khagrachhari                 | 15.8          | 4.0               | 1.3                         | 65.8                    | .7              | 12.0          | .0           | 100.0 | 19.8                  | 571                                                   |
|          | Lakshmipur                   | 10.1          | 2.8               | .2                          | 82.3                    | .7              | 3.8           | .1           | 100.0 | 12.9                  | 786                                                   |
|          | Noakhali                     | 8.6           | 2.9               | .6                          | 79.7                    | .6              | 7.2           | .3           | 100.0 | 11.5                  | 808                                                   |
|          | Rangamati                    | 48.3          | 3.5               | 2.0                         | 40.5                    | 1.0             | 4.4           | .0           | 100.0 | 51.9                  | 1,172                                                 |
|          | Dhaka                        | 22.6          | 1.9               | .4                          | 59.0                    | .9              | 15.2          | .0           | 100.0 | 24.5                  | 713                                                   |
| Division | Faridpur                     | 29.7          | 7.5               | 1.4                         | 51.5                    | .9              | 8.7           | .1           | 100.0 | 37.3                  | 427                                                   |
|          | Gazipur                      | 17.0          | 4.3               | 2.5                         | 63.3                    | 1.7             | 11.2          | .0           | 100.0 | 21.3                  | 509                                                   |
|          | Gopalganj                    | 10.3          | 2.4               | .8                          | 38.1                    | .9              | 46.1          | .3           | 100.0 | 12.7                  | 641                                                   |
|          | Jamalpur                     | 9.3           | 4.4               | 3.1                         | 68.3                    | .7              | 13.6          | .1           | 100.0 | 13.7                  | 1,376                                                 |
|          | Kishorganj                   | 15.9          | 4.4               | .5                          | 67.8                    | .6              | 10.3          | .5           | 100.0 | 20.4                  | 384                                                   |
|          | Madaripur                    | 19.7          | 2.9               | 1.2                         | 74.7                    | .3              | .5            | .6           | 100.0 | 22.6                  | 609                                                   |
|          | Manikganj                    | 36.4          | 5.1               | .4                          | 51.0                    | .2              | 6.3           | .2           | 100.0 | 41.5                  | 598                                                   |
|          | Munshiganj                   |               |                   |                             |                         |                 |               |              |       |                       |                                                       |

|                 | Person assisting at delivery |               |                   |                             |                         |                 |               |              | Total        | Any skilled personnel | Number of women who gave birth in preceding two years |
|-----------------|------------------------------|---------------|-------------------|-----------------------------|-------------------------|-----------------|---------------|--------------|--------------|-----------------------|-------------------------------------------------------|
|                 | Medical doctor               | Nurse/midwife | Auxiliary/midwife | Traditional birth attendant | Community health worker | Relative/friend | Other/missing | No attendant |              |                       |                                                       |
| Mymensingh      | 11.9                         | 1.8           | 1.1               | 71.6                        | .8                      | 12.5            | .2            | .1           | 100.0        | 13.7                  | 1,037                                                 |
| Narayanganj     | 34.6                         | 4.7           | 1.5               | 45.8                        | .6                      | 12.1            | .3            | .3           | 100.0        | 39.3                  | 493                                                   |
| Narsingdi       | 13.0                         | 4.8           | .4                | 51.9                        | 1.5                     | 28.0            | .2            | .2           | 100.0        | 17.8                  | 655                                                   |
| Netrakona       | 8.2                          | 1.8           | .3                | 81.9                        | .8                      | 6.0             | .8            | .2           | 100.0        | 10.0                  | 934                                                   |
| Rajbari         | 20.0                         | 4.8           | .4                | 57.8                        | 1.0                     | 15.3            | .7            | .1           | 100.0        | 24.8                  | 429                                                   |
| Shariatpur      | 15.0                         | 5.0           | .5                | 63.1                        | .7                      | 15.4            | .0            | .2           | 100.0        | 20.0                  | 578                                                   |
| Sherpur         | 9.6                          | 4.2           | .8                | 67.9                        | .5                      | 15.8            | .5            | .8           | 100.0        | 13.8                  | 522                                                   |
| Tangail         | 16.6                         | 2.0           | .0                | 53.0                        | .6                      | 26.7            | .7            | .4           | 100.0        | 18.6                  | 1,016                                                 |
| Bagerhat        | 17.5                         | 6.5           | 2.0               | 65.7                        | .1                      | 7.7             | .5            | .0           | 100.0        | 24.0                  | 752                                                   |
| Chuadanga       | 32.7                         | 10.6          | .6                | 28.9                        | 2.1                     | 23.8            | .8            | .5           | 100.0        | 43.3                  | 367                                                   |
| Jessore         | 25.2                         | 3.7           | 1.0               | 60.3                        | .7                      | 9.0             | .0            | .0           | 100.0        | 28.9                  | 672                                                   |
| Jhenaidah       | 33.5                         | 4.8           | 3.0               | 38.0                        | 1.0                     | 18.7            | .4            | .5           | 100.0        | 38.3                  | 577                                                   |
| Khulna          | 25.6                         | 5.2           | 2.6               | 57.4                        | .8                      | 7.8             | .2            | .4           | 100.0        | 30.8                  | 969                                                   |
| Kushtia         | 26.7                         | 4.7           | 1.1               | 43.3                        | 1.0                     | 22.0            | .6            | .6           | 100.0        | 31.4                  | 560                                                   |
| Magura          | 14.2                         | 2.8           | .2                | 76.0                        | .2                      | 6.6             | .0            | .0           | 100.0        | 16.9                  | 410                                                   |
| Meherpur        | 38.4                         | 22.6          | 2.4               | 10.1                        | 1.1                     | 24.9            | .0            | .5           | 100.0        | 61.0                  | 273                                                   |
| Narail          | 24.1                         | 1.6           | .0                | 72.3                        | .0                      | 2.0             | .0            | .0           | 100.0        | 25.7                  | 338                                                   |
| Satkira         | 12.9                         | 3.3           | .5                | 79.4                        | .9                      | 2.9             | .0            | .0           | 100.0        | 16.2                  | 495                                                   |
| Bogra           | 15.6                         | 4.4           | .3                | 52.0                        | .3                      | 26.8            | .4            | .2           | 100.0        | 20.0                  | 841                                                   |
| Dinajpur        | 28.8                         | 5.9           | 2.5               | 35.3                        | 2.5                     | 24.7            | .2            | .3           | 100.0        | 34.7                  | 995                                                   |
| Gaibandha       | 8.4                          | 1.6           | .3                | 58.2                        | .8                      | 29.2            | .3            | 1.2          | 100.0        | 10.0                  | 601                                                   |
| Joypurhat       | 23.9                         | 7.4           | .6                | 53.2                        | 1.7                     | 12.6            | .6            | .0           | 100.0        | 31.3                  | 383                                                   |
| Kurigram        | 11.6                         | 2.7           | .2                | 49.2                        | 1.5                     | 33.9            | .9            | .0           | 100.0        | 14.3                  | 729                                                   |
| Lalmonirhat     | 10.1                         | 1.6           | 3.0               | 66.4                        | .6                      | 13.5            | 3.6           | 1.2          | 100.0        | 11.7                  | 496                                                   |
| Naogaon         | 28.5                         | 5.0           | 2.7               | 43.4                        | 1.4                     | 18.9            | .0            | .3           | 100.0        | 33.4                  | 733                                                   |
| Natore          | 21.5                         | 3.5           | 1.2               | 55.8                        | .6                      | 17.2            | .2            | .0           | 100.0        | 25.0                  | 454                                                   |
| Nawabganj       | 16.0                         | 6.1           | .9                | 17.2                        | 1.3                     | 58.1            | .2            | .2           | 100.0        | 22.1                  | 543                                                   |
| Nilphamari      | 15.1                         | 3.8           | 2.0               | 41.6                        | .4                      | 35.4            | 1.2           | .4           | 100.0        | 18.9                  | 627                                                   |
| Pabna           | 17.1                         | 5.6           | 2.2               | 65.9                        | .7                      | 8.3             | .0            | .1           | 100.0        | 22.8                  | 725                                                   |
| Panchagarh      | 22.0                         | 4.1           | 3.6               | 38.9                        | 3.3                     | 26.2            | .8            | 1.0          | 100.0        | 26.1                  | 516                                                   |
| Rajshahi        | 23.4                         | 8.7           | 1.9               | 33.1                        | 1.2                     | 30.9            | .6            | .2           | 100.0        | 32.0                  | 803                                                   |
| Rangpur         | 35.1                         | 3.0           | .8                | 35.1                        | 2.1                     | 23.1            | .5            | .2           | 100.0        | 38.1                  | 710                                                   |
| Sirajganj       | 19.8                         | 2.1           | 1.3               | 66.0                        | 1.0                     | 9.4             | .0            | .4           | 100.0        | 21.9                  | 741                                                   |
| Thakurgaon      | 21.1                         | 1.8           | .5                | 29.0                        | .2                      | 44.6            | 1.2           | 1.6          | 100.0        | 22.9                  | 515                                                   |
| Habiganj        | 7.7                          | 4.0           | 2.3               | 62.2                        | .8                      | 21.8            | 1.1           | .1           | 100.0        | 11.7                  | 922                                                   |
| Maulvibazar     | 12.3                         | 2.0           | 2.7               | 70.0                        | .2                      | 11.9            | .4            | .5           | 100.0        | 14.2                  | 707                                                   |
| Sunamganj       | 7.7                          | .8            | .1                | 84.6                        | .4                      | 4.9             | .3            | 1.2          | 100.0        | 8.5                   | 1,404                                                 |
| Sylhet          | 18.7                         | 2.7           | .6                | 65.0                        | 1.2                     | 11.2            | .3            | .4           | 100.0        | 21.3                  | 1,554                                                 |
| <b>National</b> | <b>20.5</b>                  | <b>3.8</b>    | <b>1.2</b>        | <b>58.4</b>                 | <b>.9</b>               | <b>14.5</b>     | <b>.4</b>     | <b>.3</b>    | <b>100.0</b> | <b>24.4</b>           | <b>45,973</b>                                         |

**Table 6: Pre-school attendance rate**

Percentage of children aged 36-59 months who were attending pre-school

|                                |                            |              | Boys |        | Girls |        | Total |        |
|--------------------------------|----------------------------|--------------|------|--------|-------|--------|-------|--------|
|                                |                            |              | %    | No.    | %     | No.    | %     | No.    |
| Area                           | Rural                      |              | 22.0 | 27,129 | 22.7  | 25,376 | 22.3  | 52,505 |
|                                | Urban                      |              | 25.2 | 4,583  | 26.3  | 4,499  | 25.7  | 9,082  |
|                                | Municipality               |              | 25.5 | 3,554  | 24.4  | 3,514  | 25.0  | 7,068  |
|                                | City corporation           |              | 25.3 | 778    | 29.4  | 716    | 27.3  | 1,494  |
|                                | Slum                       |              | 12.8 | 251    | 13.2  | 269    | 13.0  | 520    |
| Age of child                   | 36-47 months               |              | 17.7 | 15,786 | 17.7  | 15,045 | 17.7  | 30,831 |
|                                | 48-59 months               |              | 27.3 | 15,926 | 29.0  | 14,830 | 28.1  | 30,756 |
| Mother's/Caretaker's education | None                       |              | 19.2 | 11,065 | 19.5  | 10,410 | 19.3  | 21,475 |
|                                | Primary incomplete         |              | 22.0 | 5,523  | 22.7  | 5,214  | 22.3  | 10,737 |
|                                | Primary completed          |              | 21.7 | 4,496  | 24.1  | 4,254  | 22.9  | 8,750  |
|                                | Secondary incomplete       |              | 23.9 | 7,440  | 24.5  | 6,917  | 24.2  | 14,357 |
|                                | Secondary completed        |              | 28.5 | 2,008  | 29.4  | 1,929  | 28.9  | 3,937  |
|                                | Higher Secondary completed |              | 31.7 | 647    | 34.8  | 647    | 33.3  | 1,294  |
|                                | Degree and above           |              | 35.7 | 456    | 32.4  | 432    | 34.1  | 888    |
| Division                       | Barisal                    |              | 21.0 | 2,540  | 25.5  | 2,364  | 23.2  | 4,904  |
|                                | Chittagong                 |              | 26.5 | 7,132  | 27.0  | 6,551  | 26.8  | 13,683 |
|                                | Dhaka                      |              | 25.5 | 8,229  | 25.9  | 7,810  | 25.7  | 16,039 |
|                                | Khulna                     |              | 25.0 | 3,363  | 26.3  | 3,297  | 25.7  | 6,660  |
|                                | Rajshahi                   |              | 15.2 | 7,342  | 16.0  | 6,895  | 15.6  | 14,237 |
|                                | Sylhet                     |              | 22.1 | 3,106  | 21.3  | 2,958  | 21.7  | 6,064  |
| District                       | Barisal                    | Barguna      | 21.9 | 308    | 26.4  | 279    | 24.0  | 587    |
|                                |                            | Barisal      | 27.1 | 659    | 30.4  | 613    | 28.7  | 1,272  |
|                                |                            | Bhola        | 17.7 | 488    | 22.8  | 462    | 20.1  | 950    |
|                                |                            | Jhalokati    | 19.5 | 244    | 31.8  | 245    | 25.7  | 489    |
|                                |                            | Patuakhali   | 17.1 | 439    | 21.9  | 430    | 19.5  | 869    |
|                                |                            | Pirojpur     | 19.6 | 402    | 20.4  | 335    | 20.0  | 737    |
|                                | Chittagong                 | Bandarban    | 27.7 | 539    | 31.5  | 476    | 29.5  | 1,015  |
|                                |                            | Brahmanbaria | 22.0 | 598    | 20.3  | 540    | 21.2  | 1,138  |
|                                |                            | Chandpur     | 31.8 | 465    | 31.0  | 477    | 31.4  | 942    |
|                                |                            | Chittagong   | 24.1 | 1,138  | 27.7  | 1,016  | 25.8  | 2,154  |
|                                |                            | Comilla      | 33.5 | 1,160  | 33.3  | 1,017  | 33.4  | 2,177  |
|                                |                            | Cox's Bazar  | 20.2 | 618    | 17.8  | 595    | 19.0  | 1,213  |
|                                |                            | Feni         | 29.8 | 395    | 31.6  | 369    | 30.7  | 764    |
|                                |                            | Khagrachhari | 40.0 | 563    | 36.9  | 533    | 38.5  | 1,096  |
|                                |                            | Lakshmipur   | 20.5 | 344    | 20.9  | 356    | 20.7  | 700    |
|                                |                            | Noakhali     | 20.4 | 633    | 20.7  | 595    | 20.6  | 1,228  |
|                                |                            | Rangamati    | 39.5 | 679    | 42.4  | 577    | 40.8  | 1,256  |
|                                | Dhaka                      | Dhaka        | 24.8 | 686    | 25.4  | 711    | 25.1  | 1,397  |
|                                |                            | Faridpur     | 20.9 | 571    | 19.7  | 559    | 20.4  | 1,130  |
|                                |                            | Gazipur      | 48.1 | 265    | 41.4  | 282    | 44.6  | 547    |
|                                |                            | Gopalganj    | 31.6 | 350    | 32.0  | 332    | 31.8  | 682    |
|                                |                            | Jamalpur     | 21.3 | 445    | 20.9  | 416    | 21.1  | 861    |



|  |             | Boys        |      | Girls  |      | Total  |       |        |
|--|-------------|-------------|------|--------|------|--------|-------|--------|
|  |             | %           | No.  | %      | No.  | %      | No.   |        |
|  | Kishorganj  | 30.3        | 977  | 24.5   | 896  | 27.5   | 1,873 |        |
|  | Madaripur   | 26.1        | 316  | 25.8   | 292  | 25.9   | 608   |        |
|  | Manikganj   | 21.4        | 355  | 22.3   | 333  | 21.9   | 688   |        |
|  | Munshiganj  | 29.1        | 382  | 26.9   | 384  | 28.0   | 766   |        |
|  | Mymensingh  | 23.9        | 719  | 24.8   | 710  | 24.4   | 1,429 |        |
|  | Narayanganj | 22.4        | 348  | 28.2   | 300  | 25.1   | 648   |        |
|  | Narsingdi   | 28.7        | 426  | 32.1   | 416  | 30.3   | 842   |        |
|  | Netrakona   | 17.5        | 753  | 23.1   | 630  | 20.1   | 1,383 |        |
|  | Rajbari     | 20.6        | 243  | 19.9   | 257  | 20.3   | 500   |        |
|  | Shariatpur  | 39.6        | 427  | 41.1   | 418  | 40.3   | 845   |        |
|  | Sherpur     | 20.4        | 368  | 23.2   | 348  | 21.8   | 716   |        |
|  | Tangail     | 19.4        | 598  | 18.6   | 526  | 19.0   | 1,124 |        |
|  | Khulna      | Bagerhat    | 33.4 | 440    | 38.1 | 430    | 35.7  | 870    |
|  |             | Chuadanga   | 25.8 | 218    | 23.6 | 178    | 24.8  | 396    |
|  |             | Jessore     | 25.4 | 420    | 25.5 | 432    | 25.5  | 852    |
|  |             | Jhenaidah   | 28.0 | 333    | 28.0 | 340    | 28.0  | 673    |
|  |             | Khulna      | 27.2 | 589    | 28.2 | 586    | 27.7  | 1,175  |
|  |             | Kushtia     | 17.4 | 325    | 21.6 | 325    | 19.5  | 650    |
|  |             | Magura      | 17.8 | 288    | 20.1 | 279    | 18.9  | 567    |
|  |             | Meherpur    | 9.0  | 166    | 11.5 | 146    | 10.1  | 312    |
|  |             | Narail      | 27.1 | 238    | 26.2 | 217    | 26.7  | 455    |
|  |             | Satkhira    | 29.3 | 346    | 28.4 | 364    | 28.8  | 710    |
|  | Rajshahi    | Bogra       | 20.1 | 611    | 19.1 | 541    | 19.6  | 1,152  |
|  |             | Dinajpur    | 15.0 | 756    | 17.7 | 641    | 16.2  | 1,397  |
|  |             | Gaibandha   | 7.1  | 433    | 7.4  | 448    | 7.2   | 881    |
|  |             | Joypurhat   | 14.6 | 228    | 14.5 | 239    | 14.5  | 467    |
|  |             | Kurigram    | 17.5 | 543    | 16.6 | 524    | 17.0  | 1,067  |
|  |             | Lalmonirhat | 14.0 | 403    | 12.8 | 381    | 13.4  | 784    |
|  |             | Naogaon     | 10.6 | 577    | 10.4 | 561    | 10.5  | 1,138  |
|  |             | Natore      | 18.7 | 300    | 21.8 | 260    | 20.1  | 560    |
|  |             | Nawabganj   | 20.2 | 310    | 22.8 | 308    | 21.5  | 618    |
|  |             | Nilphamari  | 13.6 | 432    | 15.6 | 408    | 14.6  | 840    |
|  |             | Pabna       | 16.7 | 506    | 19.9 | 464    | 18.3  | 970    |
|  |             | Panchagarh  | 8.6  | 337    | 9.1  | 313    | 8.8   | 650    |
|  |             | Rajshahi    | 15.5 | 539    | 15.2 | 525    | 15.3  | 1,064  |
|  | Rangpur     | 12.2        | 468  | 12.2   | 470  | 12.2   | 938   |        |
|  | Sirajganj   | 15.0        | 559  | 16.8   | 502  | 15.9   | 1,061 |        |
|  | Thakurgaon  | 29.9        | 340  | 33.7   | 310  | 31.7   | 650   |        |
|  | Sylhet      | Habiganj    | 21.0 | 662    | 18.6 | 511    | 20.0  | 1,173  |
|  |             | Maulvibazar | 28.7 | 531    | 22.0 | 496    | 25.5  | 1,027  |
|  |             | Sunamganj   | 14.1 | 899    | 15.3 | 941    | 14.7  | 1,840  |
|  |             | Sylhet      | 25.5 | 1,014  | 27.8 | 1,010  | 26.7  | 2,024  |
|  | National    |             | 22.5 | 31,712 | 23.3 | 29,875 | 22.9  | 61,587 |

**Table 7:** Primary school net intake rate

Percentage of children of primary school entry age attending grade 1

|          |                  |              | Boys |        | Girls |        | Total |        |
|----------|------------------|--------------|------|--------|-------|--------|-------|--------|
|          |                  |              | %    | Number | %     | Number | %     | Number |
| Area     | Rural            |              | 63.3 | 19,280 | 67.2  | 17,645 | 65.2  | 36,925 |
|          | Urban            |              | 75.7 | 2,972  | 74.4  | 2,768  | 75.0  | 5,740  |
|          | Municipality     |              | 73.1 | 2,377  | 74.2  | 2,196  | 73.6  | 4,573  |
|          | City corporation |              | 80.7 | 424    | 75.6  | 425    | 78.1  | 849    |
|          | Slum             |              | 52.9 | 171    | 49.6  | 147    | 51.4  | 318    |
| Division | Barisal          |              | 74.3 | 1,794  | 77.8  | 1,760  | 76.0  | 3,554  |
|          | Chittagong       |              | 62.6 | 5,430  | 63.8  | 4,929  | 63.2  | 10,359 |
|          | Dhaka            |              | 67.4 | 5,606  | 69.0  | 5,128  | 68.2  | 10,734 |
|          | Khulna           |              | 71.7 | 2,237  | 75.6  | 2,072  | 73.6  | 4,309  |
|          | Rajshahi         |              | 63.3 | 4,867  | 69.6  | 4,453  | 66.3  | 9,320  |
|          | Sylhet           |              | 55.0 | 2,318  | 56.9  | 2,071  | 55.9  | 4,389  |
|          | Barisal          | Barguna      | 81.6 | 191    | 83.6  | 204    | 82.6  | 395    |
|          |                  | Barisal      | 78.9 | 443    | 81.7  | 441    | 80.3  | 884    |
|          |                  | Bhola        | 64.2 | 387    | 67.1  | 350    | 65.6  | 737    |
|          |                  | Jhalokati    | 75.7 | 178    | 76.9  | 183    | 76.3  | 361    |
|          |                  | Patuakhali   | 79.6 | 319    | 82.4  | 315    | 81.0  | 634    |
|          |                  | Pirojpur     | 70.8 | 276    | 79.3  | 267    | 75.0  | 543    |
|          | Chittagong       | Bandarban    | 51.5 | 431    | 52.6  | 337    | 52.0  | 768    |
|          |                  | Brahmanbaria | 46.3 | 552    | 47.6  | 486    | 47.0  | 1,038  |
|          |                  | Chandpur     | 61.3 | 374    | 65.6  | 382    | 63.5  | 756    |
|          |                  | Chittagong   | 70.5 | 825    | 72.0  | 766    | 71.2  | 1,591  |
|          |                  | Comilla      | 68.8 | 811    | 68.5  | 744    | 68.7  | 1,555  |
|          |                  | Cox's Bazar  | 51.1 | 577    | 52.2  | 497    | 51.6  | 1,074  |
|          |                  | Feni         | 67.0 | 269    | 74.3  | 243    | 70.5  | 512    |
|          |                  | Khagrachhari | 66.7 | 385    | 71.7  | 344    | 69.1  | 729    |
|          |                  | Lakshmipur   | 68.1 | 266    | 56.8  | 231    | 62.8  | 497    |
|          |                  | Noakhali     | 57.6 | 494    | 60.5  | 458    | 59.0  | 952    |
|          |                  | Rangamati    | 66.0 | 446    | 66.9  | 441    | 66.4  | 887    |
|          | Dhaka            | Dhaka        | 81.3 | 404    | 73.6  | 399    | 77.4  | 803    |
|          |                  | Faridpur     | 61.6 | 386    | 70.5  | 402    | 66.1  | 788    |
|          |                  | Gazipur      | 83.6 | 187    | 86.7  | 138    | 84.9  | 325    |
|          |                  | Gopalganj    | 73.1 | 267    | 69.0  | 258    | 71.1  | 525    |
|          |                  | Jamalpur     | 57.0 | 276    | 66.5  | 270    | 61.7  | 546    |
|          |                  | Kishorganj   | 60.8 | 737    | 61.1  | 618    | 61.0  | 1,355  |
|          |                  | Madaripur    | 64.5 | 203    | 65.8  | 193    | 65.1  | 396    |
|          |                  | Manikganj    | 59.9 | 251    | 66.7  | 221    | 63.1  | 472    |
|          |                  | Munshiganj   | 74.7 | 243    | 77.0  | 212    | 75.8  | 455    |

|  |             | Boys        |        | Girls  |        | Total  |        |        |
|--|-------------|-------------|--------|--------|--------|--------|--------|--------|
|  |             | %           | Number | %      | Number | %      | Number |        |
|  | Mymensingh  | 60.7        | 536    | 66.5   | 530    | 63.6   | 1,066  |        |
|  | Narayanganj | 59.5        | 203    | 69.5   | 198    | 64.6   | 401    |        |
|  | Narsingdi   | 61.1        | 311    | 60.4   | 283    | 60.8   | 594    |        |
|  | Netrakona   | 63.7        | 485    | 62.2   | 435    | 63.0   | 920    |        |
|  | Rajbari     | 63.8        | 178    | 60.4   | 134    | 62.4   | 312    |        |
|  | Shariatpur  | 64.8        | 303    | 71.7   | 277    | 68.1   | 580    |        |
|  | Sherpur     | 56.8        | 229    | 68.0   | 198    | 62.0   | 427    |        |
|  | Tangail     | 71.1        | 407    | 74.5   | 362    | 72.7   | 769    |        |
|  | Khulna      | Bagerhat    | 79.4   | 328    | 81.2   | 270    | 80.2   | 598    |
|  |             | Chuadanga   | 57.6   | 145    | 57.5   | 153    | 57.6   | 298    |
|  |             | Jessore     | 80.2   | 243    | 83.8   | 251    | 82.0   | 494    |
|  |             | Jhenaidah   | 72.4   | 268    | 75.0   | 192    | 73.5   | 460    |
|  |             | Khulna      | 74.9   | 384    | 80.2   | 358    | 77.5   | 742    |
|  |             | Kushtia     | 56.8   | 227    | 68.5   | 202    | 62.5   | 429    |
|  |             | Magura      | 78.1   | 161    | 71.3   | 170    | 74.6   | 331    |
|  |             | Meherpur    | 76.0   | 105    | 89.5   | 106    | 82.7   | 211    |
|  |             | Narail      | 80.8   | 140    | 78.4   | 115    | 79.7   | 255    |
|  |             | Satkhira    | 64.9   | 236    | 71.2   | 255    | 68.2   | 491    |
|  | Rajshahi    | Bogra       | 62.9   | 340    | 71.4   | 322    | 67.1   | 662    |
|  |             | Dinajpur    | 76.6   | 503    | 83.7   | 483    | 80.1   | 986    |
|  |             | Gaibandha   | 56.0   | 283    | 67.7   | 285    | 61.7   | 568    |
|  |             | Joypurhat   | 72.5   | 160    | 81.6   | 132    | 76.7   | 292    |
|  |             | Kurigram    | 51.3   | 363    | 57.5   | 306    | 54.1   | 669    |
|  |             | Lalmonirhat | 64.4   | 255    | 68.4   | 224    | 66.3   | 479    |
|  |             | Naogaon     | 73.3   | 296    | 82.4   | 310    | 78.0   | 606    |
|  |             | Natore      | 56.2   | 190    | 57.1   | 173    | 56.6   | 363    |
|  |             | Nawabganj   | 55.2   | 228    | 58.8   | 207    | 56.8   | 435    |
|  |             | Nilphamari  | 70.5   | 298    | 77.9   | 268    | 74.0   | 566    |
|  | Sylhet      | Pabna       | 63.8   | 350    | 68.8   | 341    | 66.3   | 691    |
|  |             | Panchagarh  | 55.8   | 243    | 71.1   | 212    | 62.9   | 455    |
|  |             | Rajshahi    | 65.8   | 396    | 69.6   | 318    | 67.5   | 714    |
|  |             | Rangpur     | 61.2   | 313    | 64.8   | 296    | 62.9   | 609    |
|  |             | Sirajganj   | 54.8   | 384    | 57.9   | 352    | 56.3   | 736    |
|  |             | Thakurgaon  | 74.3   | 265    | 77.9   | 224    | 75.9   | 489    |
|  |             | Habiganj    | 48.3   | 474    | 49.8   | 443    | 49.0   | 917    |
|  |             | Maulvibazar | 61.8   | 361    | 64.0   | 334    | 62.8   | 695    |
|  |             | Sunamganj   | 48.5   | 730    | 50.2   | 623    | 49.3   | 1,353  |
|  |             | Sylhet      | 62.0   | 753    | 64.1   | 671    | 63.0   | 1,424  |
|  | National    |             | 65.3   | 22,252 | 68.4   | 20,413 | 66.8   | 42,665 |

**Table 8:** Net attendance rate in primary school  
Percentage of children of primary school age attending primary school

|           |                  |              | Boys                 |                    | Girls                |                    | Total                |                    |
|-----------|------------------|--------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
|           |                  |              | Net attendance ratio | Number of children | Net attendance ratio | Number of children | Net attendance ratio | Number of children |
| Residence | Rural            |              | 79.5                 | 88,199             | 82.1                 | 81,166             | 80.8                 | 169,365            |
|           | Urban            |              | 83.6                 | 14,451             | 84.2                 | 13,394             | 83.9                 | 27,845             |
|           | Municipality     |              | 83.5                 | 11,391             | 85.1                 | 10,475             | 84.2                 | 21,866             |
|           | City corporation |              | 84.9                 | 2,181              | 83.7                 | 2,126              | 84.3                 | 4,307              |
|           | Slum             |              | 62.8                 | 879                | 67.6                 | 793                | 65.1                 | 1,672              |
| Age       | 6                |              | 65.3                 | 22,252             | 68.4                 | 20,413             | 66.8                 | 42,665             |
|           | 7                |              | 80.8                 | 20,343             | 82.2                 | 19,328             | 81.5                 | 39,671             |
|           | 8                |              | 86.0                 | 20,999             | 87.5                 | 19,826             | 86.7                 | 40,825             |
|           | 9                |              | 86.8                 | 16,913             | 89.7                 | 15,566             | 88.2                 | 32,479             |
|           | 10               |              | 84.1                 | 22,143             | 86.7                 | 19,427             | 85.3                 | 41,570             |
| Division  | Barisal          |              | 83.4                 | 8,458              | 86.0                 | 7,925              | 84.7                 | 16,383             |
|           | Chittagong       |              | 77.6                 | 24,768             | 79.2                 | 22,673             | 78.4                 | 47,441             |
|           | Dhaka            |              | 81.6                 | 26,383             | 83.4                 | 24,372             | 82.5                 | 50,755             |
|           | Khulna           |              | 85.9                 | 10,471             | 88.2                 | 9,961              | 87.0                 | 20,432             |
|           | Rajshahi         |              | 79.8                 | 21,874             | 82.9                 | 19,727             | 81.3                 | 41,601             |
|           | Sylhet           |              | 73.1                 | 10,696             | 75.4                 | 9,902              | 74.2                 | 20,598             |
| District  | Barisal          | Barguna      | 89.7                 | 875                | 91.0                 | 858                | 90.4                 | 1,733              |
|           |                  | Barisal      | 84.9                 | 2,234              | 88.8                 | 2,090              | 86.8                 | 4,324              |
|           |                  | Bhola        | 75.2                 | 1,797              | 78.1                 | 1,689              | 76.6                 | 3,486              |
|           |                  | Jhalokati    | 87.5                 | 776                | 89.4                 | 769                | 88.4                 | 1,545              |
|           |                  | Patuakhali   | 87.5                 | 1,492              | 88.4                 | 1,325              | 87.9                 | 2,817              |
|           |                  | Pirojpur     | 84.1                 | 1,284              | 87.9                 | 1,194              | 85.9                 | 2,478              |
|           | Chittagong       | Bandarban    | 59.5                 | 1,827              | 61.8                 | 1,519              | 60.6                 | 3,346              |
|           |                  | Brahmanbaria | 66.0                 | 2,262              | 67.9                 | 2,119              | 66.9                 | 4,381              |
|           |                  | Chandpur     | 76.4                 | 1,750              | 82.6                 | 1,629              | 79.4                 | 3,379              |
|           |                  | Chittagong   | 83.3                 | 3,749              | 84.6                 | 3,518              | 83.9                 | 7,267              |
|           |                  | Comilla      | 81.1                 | 3,787              | 83.7                 | 3,425              | 82.3                 | 7,212              |
|           |                  | Cox's Bazar  | 69.4                 | 2,558              | 70.6                 | 2,351              | 70.0                 | 4,909              |
|           |                  | Feni         | 83.1                 | 1,327              | 84.0                 | 1,195              | 83.5                 | 2,522              |
|           |                  | Khagrachhari | 78.9                 | 1,829              | 79.9                 | 1,695              | 79.4                 | 3,524              |
|           |                  | Lakshimpur   | 79.5                 | 1,321              | 77.2                 | 1,218              | 78.4                 | 2,539              |
|           |                  | Noakhali     | 76.5                 | 2,280              | 77.1                 | 2,103              | 76.8                 | 4,383              |
|           |                  | Rangamati    | 74.3                 | 2,078              | 75.7                 | 1,901              | 75.0                 | 3,979              |
|           | Dhaka            | Dhaka        | 85.0                 | 2,048              | 83.2                 | 2,010              | 84.1                 | 4,058              |
|           |                  | Faridpur     | 81.3                 | 1,861              | 86.0                 | 1,753              | 83.6                 | 3,614              |
|           |                  | Gazipur      | 90.9                 | 876                | 90.7                 | 761                | 90.8                 | 1,637              |
|           |                  | Gopalganj    | 85.4                 | 1,223              | 85.3                 | 1,196              | 85.3                 | 2,419              |
|           |                  | Jamalpur     | 81.3                 | 1,371              | 84.5                 | 1,222              | 82.8                 | 2,593              |
|           |                  | Kishorganj   | 77.7                 | 3,146              | 80.4                 | 2,924              | 79.0                 | 6,070              |
|           |                  | Madaripur    | 81.2                 | 973                | 82.3                 | 993                | 81.8                 | 1,966              |

|          |             | Boys                 |                    | Girls                |                    | Total                |                    |       |       |
|----------|-------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|-------|-------|
|          |             | Net attendance ratio | Number of children | Net attendance ratio | Number of children | Net attendance ratio | Number of children |       |       |
|          | Manikganj   | 81.8                 | 1,174              | 83.1                 | 1,137              | 82.4                 | 2,311              |       |       |
|          | Munshiganj  | 87.4                 | 1,115              | 90.0                 | 1,056              | 88.6                 | 2,171              |       |       |
|          | Mymensingh  | 79.8                 | 2,586              | 83.0                 | 2,312              | 81.3                 | 4,898              |       |       |
|          | Narayanganj | 79.6                 | 974                | 83.9                 | 931                | 81.7                 | 1,905              |       |       |
|          | Narsingdi   | 75.0                 | 1,364              | 79.1                 | 1,273              | 77.0                 | 2,637              |       |       |
|          | Netrakona   | 76.4                 | 2,332              | 78.0                 | 2,100              | 77.1                 | 4,432              |       |       |
|          | Rajbari     | 81.0                 | 884                | 84.1                 | 720                | 82.3                 | 1,604              |       |       |
|          | Shariatpur  | 82.2                 | 1,470              | 85.0                 | 1,324              | 83.5                 | 2,794              |       |       |
|          | Sherpur     | 74.8                 | 1,044              | 80.5                 | 937                | 77.5                 | 1,981              |       |       |
|          | Tangail     | 84.1                 | 1,942              | 86.6                 | 1,723              | 85.3                 | 3,665              |       |       |
|          | Khulna      | Bagerhat             | 88.8               | 1,504                | 90.1               | 1,459                | 89.4               | 2,963 |       |
|          |             | Chuadanga            | 80.6               | 656                  | 81.3               | 654                  | 81.0               | 1,310 |       |
|          |             | Jessore              | 90.0               | 1,239                | 91.2               | 1,148                | 90.6               | 2,387 |       |
|          |             | Jhenaidah            | 86.3               | 1,057                | 90.4               | 917                  | 88.2               | 1,974 |       |
|          |             | Khulna               | 85.8               | 1,864                | 89.3               | 1,819                | 87.5               | 3,683 |       |
|          |             | Kushtia              | 80.3               | 997                  | 84.0               | 936                  | 82.1               | 1,933 |       |
|          |             | Magura               | 87.5               | 825                  | 90.2               | 837                  | 88.8               | 1,662 |       |
|          |             | Meherpur             | 88.7               | 502                  | 93.5               | 457                  | 91.0               | 959   |       |
|          |             | Narail               | 89.2               | 692                  | 89.6               | 628                  | 89.3               | 1,320 |       |
|          |             | Satkhira             | 83.0               | 1,135                | 84.5               | 1,106                | 83.7               | 2,241 |       |
|          | Rajshahi    | Bogra                | 79.2               | 1,724                | 82.4               | 1,549                | 80.7               | 3,273 |       |
|          |             | Dinajpur             | 86.7               | 2,050                | 90.1               | 1,876                | 88.3               | 3,926 |       |
|          |             | Gaibandha            | 77.9               | 1,298                | 81.3               | 1,207                | 79.5               | 2,505 |       |
|          |             | Joypurhat            | 87.0               | 700                  | 91.6               | 633                  | 89.2               | 1,333 |       |
|          |             | Kurigram             | 76.7               | 1,770                | 79.2               | 1,530                | 77.8               | 3,300 |       |
|          |             | Lalmonirhat          | 81.2               | 1,083                | 83.8               | 954                  | 82.4               | 2,037 |       |
|          |             | Naogaon              | 86.4               | 1,490                | 90.3               | 1,353                | 88.2               | 2,843 |       |
|          |             | Natore               | 70.8               | 887                  | 71.8               | 892                  | 71.3               | 1,779 |       |
|          |             | Nawabganj            | 74.1               | 1,005                | 78.7               | 912                  | 76.3               | 1,917 |       |
|          |             | Nilphamari           | 83.4               | 1,298                | 89.3               | 1,157                | 86.2               | 2,455 |       |
|          |             | Pabna                | 81.8               | 1,505                | 85.2               | 1,409                | 83.4               | 2,914 |       |
|          |             | Panchagarh           | 78.2               | 975                  | 85.9               | 885                  | 81.8               | 1,860 |       |
|          |             | Rajshahi             | 83.0               | 1,749                | 86.5               | 1,532                | 84.7               | 3,281 |       |
|          |             | Rangpur              | 79.4               | 1,414                | 83.4               | 1,285                | 81.3               | 2,699 |       |
|          |             | Sirajganj            | 71.9               | 1,829                | 71.6               | 1,670                | 71.7               | 3,499 |       |
|          |             | Thakurgaon           | 83.7               | 1,097                | 86.6               | 883                  | 85.0               | 1,980 |       |
|          |             | Sylhet               | Habiganj           | 68.4                 | 2,155              | 69.5                 | 1,968              | 68.9  | 4,123 |
|          |             |                      | Maulvibazar        | 79.5                 | 1,694              | 83.1                 | 1,688              | 81.3  | 3,382 |
|          |             |                      | Sunamganj          | 65.3                 | 3,177              | 67.8                 | 2,946              | 66.5  | 6,123 |
|          |             |                      | Sylhet             | 79.3                 | 3,670              | 81.3                 | 3,300              | 80.3  | 6,970 |
| National |             | 80.2                 | 102,650            | 82.5                 | 94,560             | 81.3                 | 197,210            |       |       |

**Table 9: Net attendance rate in secondary school**

Percentage of children of secondary school age attending secondary school

|          |                  |              | Boys     |        | Girls |        | Total |         |       |       |
|----------|------------------|--------------|----------|--------|-------|--------|-------|---------|-------|-------|
|          |                  |              | %        | Number | %     | Number | %     | Number  |       |       |
| Age      | 11               |              | 29.1     | 14,356 | 34.4  | 13,489 | 31.7  | 27,845  |       |       |
|          | 12               |              | 40.7     | 20,992 | 48.0  | 18,252 | 44.1  | 39,244  |       |       |
|          | 13               |              | 54.5     | 14,175 | 63.3  | 14,149 | 58.9  | 28,324  |       |       |
|          | 14               |              | 54.6     | 16,131 | 60.2  | 22,074 | 57.9  | 38,205  |       |       |
|          | 15               |              | 50.1     | 15,680 | 62.7  | 7,476  | 54.2  | 23,156  |       |       |
|          | 16               |              | 46.0     | 13,328 | 53.0  | 8,515  | 48.7  | 21,843  |       |       |
|          | 17               |              | 43.5     | 11,059 | 47.7  | 6,879  | 45.1  | 17,938  |       |       |
| Area     | Rural            |              | 44.3     | 89,254 | 52.4  | 75,487 | 48.0  | 164,741 |       |       |
|          | Urban            |              | 51.1     | 16,467 | 55.3  | 15,347 | 53.2  | 31,814  |       |       |
|          | Municipality     |              | 49.5     | 12,849 | 59.0  | 11,723 | 54.1  | 24,572  |       |       |
|          | City corporation |              | 54.5     | 2,722  | 52.3  | 2,746  | 53.4  | 5,468   |       |       |
|          | Slum             |              | 16.3     | 896    | 20.5  | 878    | 18.4  | 1,774   |       |       |
| Division | Barisal          |              | 47.9     | 9,374  | 57.4  | 7,839  | 52.2  | 17,213  |       |       |
|          | Chittagong       |              | 41.8     | 25,242 | 49.6  | 22,522 | 45.5  | 47,764  |       |       |
|          | Dhaka            |              | 45.3     | 25,916 | 51.2  | 22,422 | 48.1  | 48,338  |       |       |
|          | Khulna           |              | 53.1     | 11,974 | 63.5  | 10,257 | 57.9  | 22,231  |       |       |
|          | Rajshahi         |              | 48.4     | 23,253 | 57.3  | 18,495 | 52.3  | 41,748  |       |       |
|          | Sylhet           |              | 34.2     | 9,962  | 39.8  | 9,299  | 36.9  | 19,261  |       |       |
|          | Barisal          | Barguna      |          | 57.4   | 992   | 62.4   | 797   | 59.6    | 1,789 |       |
|          |                  | Barisal      |          | 49.3   | 2,658 | 58.6   | 2,262 | 53.5    | 4,920 |       |
|          |                  | Bhola        |          | 31.7   | 1,698 | 40.6   | 1,276 | 35.5    | 2,974 |       |
|          |                  | Jhalokati    |          | 59.6   | 1,022 | 69.6   | 900   | 64.3    | 1,922 |       |
|          |                  | Patuakhali   |          | 54.3   | 1,620 | 61.3   | 1,324 | 57.4    | 2,944 |       |
|          |                  | Pirojpur     |          | 50.5   | 1,384 | 63.4   | 1,280 | 56.7    | 2,664 |       |
|          | Chittagong       | Bandarban    |          | 27.8   | 1,518 | 28.4   | 1,303 | 28.1    | 2,821 |       |
|          |                  | Brahmanbaria |          | 33.2   | 2,082 | 43.3   | 1,785 | 37.8    | 3,867 |       |
|          |                  | Chandpur     |          | 41.2   | 1,930 | 56.5   | 1,933 | 48.9    | 3,863 |       |
|          |                  | Chittagong   |          | 47.4   | 4,369 | 50.4   | 3,971 | 48.8    | 8,340 |       |
|          |                  | Comilla      |          | 42.6   | 3,912 | 53.5   | 3,424 | 47.7    | 7,336 |       |
|          |                  | Cox's Bazar  |          | 26.4   | 2,422 | 36.4   | 2,206 | 31.2    | 4,628 |       |
|          |                  | Feni         |          | 50.4   | 1,653 | 55.8   | 1,455 | 52.9    | 3,108 |       |
|          |                  | Khagrachhari |          | 40.5   | 1,617 | 42.9   | 1,396 | 41.6    | 3,013 |       |
|          |                  | Lakshmipur   |          | 37.6   | 1,370 | 48.0   | 1,195 | 42.5    | 2,565 |       |
|          |                  | Noakhali     |          | 45.3   | 2,412 | 52.5   | 2,130 | 48.6    | 4,542 |       |
|          |                  | Rangamati    |          | 42.0   | 1,957 | 41.2   | 1,724 | 41.7    | 3,681 |       |
|          |                  | Dhaka        | Dhaka    |        | 49.1  | 2,217  | 48.6  | 2,298   | 48.8  | 4,515 |
|          |                  |              | Faridpur |        | 42.2  | 1,897  | 55.4  | 1,596   | 48.3  | 3,493 |
|          | Gazipur          |              |          | 59.5   | 881   | 61.3   | 820   | 60.4    | 1,701 |       |
|          | Gopalganj        |              |          | 49.6   | 1,199 | 54.6   | 999   | 51.9    | 2,198 |       |
|          | Jamalpur         |              |          | 49.8   | 1,422 | 50.6   | 973   | 50.1    | 2,395 |       |

|          |             | Boys        |         | Girls |        | Total |         |       |
|----------|-------------|-------------|---------|-------|--------|-------|---------|-------|
|          |             | %           | Number  | %     | Number | %     | Number  |       |
|          | Kishorganj  | 35.6        | 2,651   | 46.8  | 2,257  | 40.8  | 4,908   |       |
|          | Madaripur   | 37.2        | 1,064   | 48.2  | 972    | 42.4  | 2,036   |       |
|          | Manikganj   | 52.9        | 1,258   | 55.8  | 991    | 54.2  | 2,249   |       |
|          | Munshiganj  | 46.2        | 1,266   | 58.7  | 1,267  | 52.5  | 2,533   |       |
|          | Mymensingh  | 43.5        | 2,275   | 50.3  | 1,948  | 46.7  | 4,223   |       |
|          | Narayanganj | 40.1        | 1,067   | 49.9  | 927    | 44.7  | 1,994   |       |
|          | Narsingdi   | 39.6        | 1,281   | 55.3  | 1,238  | 47.2  | 2,519   |       |
|          | Netrakona   | 35.5        | 2,021   | 44.5  | 1,733  | 39.6  | 3,754   |       |
|          | Rajbari     | 49.8        | 955     | 60.8  | 768    | 54.7  | 1,723   |       |
|          | Shariatpur  | 33.9        | 1,575   | 45.5  | 1,419  | 39.4  | 2,994   |       |
|          | Sherpur     | 37.3        | 943     | 46.3  | 751    | 41.2  | 1,694   |       |
|          | Tangail     | 54.4        | 1,944   | 57.3  | 1,465  | 55.6  | 3,409   |       |
|          | Khulna      | Bagerhat    | 54.2    | 1,681 | 63.1   | 1,487 | 58.4    | 3,168 |
|          |             | Chuadanga   | 47.4    | 760   | 55.9   | 675   | 51.4    | 1,435 |
|          |             | Jessore     | 56.1    | 1,386 | 67.6   | 1,308 | 61.7    | 2,694 |
|          |             | Jhenaidah   | 55.6    | 1,154 | 65.4   | 953   | 60.0    | 2,107 |
|          |             | Khulna      | 57.2    | 2,346 | 64.2   | 1,977 | 60.4    | 4,323 |
|          |             | Kushtia     | 47.2    | 1,082 | 60.3   | 887   | 53.1    | 1,969 |
|          |             | Magura      | 57.0    | 847   | 65.1   | 770   | 60.9    | 1,617 |
|          |             | Meherpur    | 46.4    | 621   | 57.7   | 468   | 51.3    | 1,089 |
|          |             | Narail      | 53.1    | 743   | 66.6   | 604   | 59.1    | 1,347 |
|          |             | Satkhira    | 50.0    | 1,354 | 62.6   | 1,128 | 55.6    | 2,482 |
|          | Rajshahi    | Bogra       | 51.1    | 1,977 | 57.3   | 1,421 | 53.6    | 3,398 |
|          |             | Dinajpur    | 51.3    | 2,296 | 65.2   | 1,881 | 57.6    | 4,177 |
|          |             | Gaibandha   | 47.1    | 1,185 | 51.7   | 1,001 | 49.2    | 2,186 |
|          |             | Joypurhat   | 61.0    | 803   | 65.2   | 682   | 62.9    | 1,485 |
|          |             | Kurigram    | 42.2    | 1,694 | 51.4   | 1,251 | 46.1    | 2,945 |
|          |             | Lalmonirhat | 47.9    | 1,082 | 60.4   | 847   | 53.3    | 1,929 |
|          |             | Naogaon     | 53.8    | 1,776 | 63.5   | 1,350 | 58.0    | 3,126 |
|          |             | Natore      | 47.3    | 1,099 | 54.4   | 848   | 50.4    | 1,947 |
|          |             | Nawabganj   | 38.4    | 1,145 | 47.2   | 1,025 | 42.5    | 2,170 |
|          |             | Nilphamari  | 40.4    | 1,301 | 53.8   | 1,072 | 46.4    | 2,373 |
|          | Sylhet      | Pabna       | 49.1    | 1,634 | 57.4   | 1,353 | 52.8    | 2,987 |
|          |             | Panchagarh  | 52.0    | 1,071 | 61.1   | 929   | 56.2    | 2,000 |
|          |             | Rajshahi    | 57.0    | 2,011 | 65.9   | 1,623 | 61.0    | 3,634 |
|          |             | Rangpur     | 48.7    | 1,473 | 59.4   | 1,099 | 53.3    | 2,572 |
|          |             | Sirajganj   | 41.1    | 1,690 | 48.7   | 1,272 | 44.4    | 2,962 |
|          |             | Thakurgaon  | 50.8    | 1,016 | 55.9   | 841   | 53.1    | 1,857 |
|          |             | Habiganj    | 29.1    | 1,830 | 38.4   | 1,755 | 33.7    | 3,585 |
|          |             | Maulvibazar | 38.2    | 1,800 | 44.6   | 1,712 | 41.3    | 3,512 |
|          |             | Sunamganj   | 27.1    | 2,665 | 31.3   | 2,555 | 29.2    | 5,220 |
|          |             | Sylhet      | 39.6    | 3,667 | 44.0   | 3,277 | 41.7    | 6,944 |
| National |             | 45.5        | 105,721 | 53.0  | 90,834 | 49.0  | 196,555 |       |



**Table 10:** Gender parity index for primary and secondary education

Ratio of girls to boys attending primary education and ratio of girls to boys attending secondary education

|           |                  |              | Primary school net attendance ratio (NAR), girls | Primary school net attendance ratio (NAR), boys | Gender parity index for primary school NAR* | Secondary school net attendance ratio (NAR), girls | Secondary school net attendance ratio (NAR), boys | Gender parity index for secondary school NAR* |
|-----------|------------------|--------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|----------------------------------------------------|---------------------------------------------------|-----------------------------------------------|
| Residence | Rural            |              | 82.1                                             | 79.5                                            | 1.03                                        | 52.4                                               | 44.3                                              | 1.18                                          |
|           | Urban            |              | 84.2                                             | 83.6                                            | 1.01                                        | 55.3                                               | 51.1                                              | 1.08                                          |
|           | Municipality     |              | 85.1                                             | 83.5                                            | 1.02                                        | 59.0                                               | 49.5                                              | 1.19                                          |
|           | City corporation |              | 83.7                                             | 84.9                                            | 0.99                                        | 52.3                                               | 54.5                                              | 0.96                                          |
|           | Slum             |              | 67.6                                             | 62.8                                            | 1.08                                        | 20.5                                               | 16.3                                              | 1.26                                          |
| Division  | Barisal          |              | 86.0                                             | 83.4                                            | 1.03                                        | 57.4                                               | 47.9                                              | 1.20                                          |
|           | Chittagong       |              | 79.2                                             | 77.6                                            | 1.02                                        | 49.6                                               | 41.8                                              | 1.19                                          |
|           | Dhaka            |              | 83.4                                             | 81.6                                            | 1.02                                        | 51.2                                               | 45.3                                              | 1.13                                          |
|           | Khulna           |              | 88.2                                             | 85.9                                            | 1.03                                        | 63.5                                               | 53.1                                              | 1.20                                          |
|           | Rajshahi         |              | 82.9                                             | 79.8                                            | 1.04                                        | 57.3                                               | 48.4                                              | 1.18                                          |
|           | Sylhet           |              | 75.4                                             | 73.1                                            | 1.03                                        | 39.8                                               | 34.2                                              | 1.16                                          |
| District  | Barisal          | Barguna      | 91.0                                             | 89.7                                            | 1.01                                        | 62.4                                               | 57.4                                              | 1.09                                          |
|           |                  | Barisal      | 88.8                                             | 84.9                                            | 1.05                                        | 58.6                                               | 49.3                                              | 1.19                                          |
|           |                  | Bhola        | 78.1                                             | 75.2                                            | 1.04                                        | 40.6                                               | 31.7                                              | 1.28                                          |
|           |                  | Jhalokati    | 89.4                                             | 87.5                                            | 1.02                                        | 69.6                                               | 59.6                                              | 1.17                                          |
|           |                  | Patuakhali   | 88.4                                             | 87.5                                            | 1.01                                        | 61.3                                               | 54.3                                              | 1.13                                          |
|           |                  | Pirojpur     | 87.9                                             | 84.1                                            | 1.04                                        | 63.4                                               | 50.5                                              | 1.26                                          |
|           | Chittagong       | Bandarban    | 61.8                                             | 59.5                                            | 1.04                                        | 28.4                                               | 27.8                                              | 1.02                                          |
|           |                  | Brahmanbaria | 67.9                                             | 66.0                                            | 1.03                                        | 43.3                                               | 33.2                                              | 1.30                                          |
|           |                  | Chandpur     | 82.6                                             | 76.4                                            | 1.08                                        | 56.5                                               | 41.2                                              | 1.37                                          |
|           |                  | Chittagong   | 84.6                                             | 83.3                                            | 1.02                                        | 50.4                                               | 47.4                                              | 1.07                                          |
|           |                  | Comilla      | 83.7                                             | 81.1                                            | 1.03                                        | 53.5                                               | 42.6                                              | 1.25                                          |
|           |                  | Cox's Bazar  | 70.6                                             | 69.4                                            | 1.02                                        | 36.4                                               | 26.4                                              | 1.38                                          |
|           |                  | Feni         | 84.0                                             | 83.1                                            | 1.01                                        | 55.8                                               | 50.4                                              | 1.11                                          |
|           |                  | Khagrachhari | 79.9                                             | 78.9                                            | 1.01                                        | 42.9                                               | 40.5                                              | 1.06                                          |
|           |                  | Lakshmipur   | 77.2                                             | 79.5                                            | 0.97                                        | 48.0                                               | 37.6                                              | 1.28                                          |
|           |                  | Noakhali     | 77.1                                             | 76.5                                            | 1.01                                        | 52.5                                               | 45.3                                              | 1.16                                          |
|           |                  | Rangamati    | 75.7                                             | 74.3                                            | 1.02                                        | 41.2                                               | 42.0                                              | 0.98                                          |
|           | Dhaka            | Dhaka        | 83.2                                             | 85.0                                            | 0.98                                        | 48.6                                               | 49.1                                              | 0.99                                          |
|           |                  | Faridpur     | 86.0                                             | 81.3                                            | 1.06                                        | 55.4                                               | 42.2                                              | 1.31                                          |
|           |                  | Gazipur      | 90.7                                             | 90.9                                            | 1.00                                        | 61.3                                               | 59.5                                              | 1.03                                          |
|           |                  | Gopalganj    | 85.3                                             | 85.4                                            | 1.00                                        | 54.6                                               | 49.6                                              | 1.10                                          |
|           |                  | Jamalpur     | 84.5                                             | 81.3                                            | 1.04                                        | 50.6                                               | 49.8                                              | 1.02                                          |
|           |                  | Kishorganj   | 80.4                                             | 77.7                                            | 1.04                                        | 46.8                                               | 35.6                                              | 1.31                                          |
|           |                  | Madaripur    | 82.3                                             | 81.2                                            | 1.01                                        | 48.2                                               | 37.2                                              | 1.29                                          |
|           |                  | Manikganj    | 83.1                                             | 81.8                                            | 1.02                                        | 55.8                                               | 52.9                                              | 1.05                                          |
|           |                  | Munshiganj   | 90.0                                             | 87.4                                            | 1.03                                        | 58.7                                               | 46.2                                              | 1.27                                          |



|          |             | Primary school net attendance ratio (NAR), girls | Primary school net attendance ratio (NAR), boys | Gender parity index for primary school NAR* | Secondary school net attendance ratio (NAR), girls | Secondary school net attendance ratio (NAR), boys | Gender parity index for secondary school NAR* |      |
|----------|-------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------|----------------------------------------------------|---------------------------------------------------|-----------------------------------------------|------|
|          | Mymensingh  | 83.0                                             | 79.8                                            | 1.04                                        | 50.3                                               | 43.5                                              | 1.16                                          |      |
|          | Narayanganj | 83.9                                             | 79.6                                            | 1.05                                        | 49.9                                               | 40.1                                              | 1.24                                          |      |
|          | Narsingdi   | 79.1                                             | 75.0                                            | 1.05                                        | 55.3                                               | 39.6                                              | 1.39                                          |      |
|          | Netrakona   | 78.0                                             | 76.4                                            | 1.02                                        | 44.5                                               | 35.5                                              | 1.25                                          |      |
|          | Rajbari     | 84.1                                             | 81.0                                            | 1.04                                        | 60.8                                               | 49.8                                              | 1.22                                          |      |
|          | Shariatpur  | 85.0                                             | 82.2                                            | 1.03                                        | 45.5                                               | 33.9                                              | 1.34                                          |      |
|          | Sherpur     | 80.5                                             | 74.8                                            | 1.08                                        | 46.3                                               | 37.3                                              | 1.24                                          |      |
|          | Tangail     | 86.6                                             | 84.1                                            | 1.03                                        | 57.3                                               | 54.4                                              | 1.05                                          |      |
|          | Khulna      | Bagerhat                                         | 90.1                                            | 88.8                                        | 1.01                                               | 63.1                                              | 54.2                                          | 1.17 |
|          |             | Chuadanga                                        | 81.3                                            | 80.6                                        | 1.01                                               | 55.9                                              | 47.4                                          | 1.18 |
|          |             | Jessore                                          | 91.2                                            | 90.0                                        | 1.01                                               | 67.6                                              | 56.1                                          | 1.21 |
|          |             | Jhenaidah                                        | 90.4                                            | 86.3                                        | 1.05                                               | 65.4                                              | 55.6                                          | 1.18 |
|          |             | Khulna                                           | 89.3                                            | 85.8                                        | 1.04                                               | 64.2                                              | 57.2                                          | 1.12 |
|          |             | Kushtia                                          | 84.0                                            | 80.3                                        | 1.05                                               | 60.3                                              | 47.2                                          | 1.28 |
|          |             | Magura                                           | 90.2                                            | 87.5                                        | 1.03                                               | 65.1                                              | 57.0                                          | 1.14 |
|          |             | Meherpur                                         | 93.5                                            | 88.7                                        | 1.05                                               | 57.7                                              | 46.4                                          | 1.24 |
|          |             | Narail                                           | 89.6                                            | 89.2                                        | 1.00                                               | 66.6                                              | 53.1                                          | 1.26 |
|          |             | Satkhira                                         | 84.5                                            | 83.0                                        | 1.02                                               | 62.6                                              | 50.0                                          | 1.25 |
|          | Rajshahi    | Bogra                                            | 82.4                                            | 79.2                                        | 1.04                                               | 57.3                                              | 51.1                                          | 1.12 |
|          |             | Dinajpur                                         | 90.1                                            | 86.7                                        | 1.04                                               | 65.2                                              | 51.3                                          | 1.27 |
|          |             | Gaibandha                                        | 81.3                                            | 77.9                                        | 1.04                                               | 51.7                                              | 47.1                                          | 1.10 |
|          |             | Joypurhat                                        | 91.6                                            | 87.0                                        | 1.05                                               | 65.2                                              | 61.0                                          | 1.07 |
|          |             | Kurigram                                         | 79.2                                            | 76.7                                        | 1.03                                               | 51.4                                              | 42.2                                          | 1.22 |
|          |             | Lalmonirhat                                      | 83.8                                            | 81.2                                        | 1.03                                               | 60.4                                              | 47.9                                          | 1.26 |
|          |             | Naogaon                                          | 90.3                                            | 86.4                                        | 1.05                                               | 63.5                                              | 53.8                                          | 1.18 |
|          |             | Natore                                           | 71.8                                            | 70.8                                        | 1.01                                               | 54.4                                              | 47.3                                          | 1.15 |
|          |             | Nawabganj                                        | 78.7                                            | 74.1                                        | 1.06                                               | 47.2                                              | 38.4                                          | 1.23 |
|          |             | Nilphamari                                       | 89.3                                            | 83.4                                        | 1.07                                               | 53.8                                              | 40.4                                          | 1.33 |
|          | Sylhet      | Pabna                                            | 85.2                                            | 81.8                                        | 1.04                                               | 57.4                                              | 49.1                                          | 1.17 |
|          |             | Panchagarh                                       | 85.9                                            | 78.2                                        | 1.10                                               | 61.1                                              | 52.0                                          | 1.17 |
|          |             | Rajshahi                                         | 86.5                                            | 83.0                                        | 1.04                                               | 65.9                                              | 57.0                                          | 1.16 |
|          |             | Rangpur                                          | 83.4                                            | 79.4                                        | 1.05                                               | 59.4                                              | 48.7                                          | 1.22 |
|          |             | Sirajganj                                        | 71.6                                            | 71.9                                        | 1.00                                               | 48.7                                              | 41.1                                          | 1.19 |
|          |             | Thakurgaon                                       | 86.6                                            | 83.7                                        | 1.04                                               | 55.9                                              | 50.8                                          | 1.10 |
|          |             | Habiganj                                         | 69.5                                            | 68.4                                        | 1.02                                               | 38.4                                              | 29.1                                          | 1.32 |
|          |             | Maulvibazar                                      | 83.1                                            | 79.5                                        | 1.05                                               | 44.6                                              | 38.2                                          | 1.17 |
|          |             | Sunamganj                                        | 67.8                                            | 65.3                                        | 1.04                                               | 31.3                                              | 27.1                                          | 1.16 |
|          |             | Sylhet                                           | 81.3                                            | 79.3                                        | 1.03                                               | 44.0                                              | 39.6                                          | 1.11 |
| National |             | 82.5                                             | 80.2                                            | 1.03                                        | 53.0                                               | 45.5                                              | 1.17                                          |      |

**Table 11:** Proportion of pupils starting Grade 1 who reach Grade 5

|           |                  |              | Boys | Girls | Total |
|-----------|------------------|--------------|------|-------|-------|
| Residence | Rural            |              | 78.7 | 81.1  | 79.9  |
|           | Urban            |              | 78.6 | 80.4  | 79.5  |
|           | Municipality     |              | 79.0 | 82.5  | 80.6  |
|           | City corporation |              | 79.3 | 78.8  | 79.1  |
|           | Slum             |              | 48.5 | 47.2  | 48.0  |
| Division  | Barisal          |              | 79.5 | 83.0  | 81.2  |
|           | Chittagong       |              | 79.0 | 81.4  | 80.2  |
|           | Dhaka            |              | 78.4 | 81.5  | 79.9  |
|           | Khulna           |              | 73.2 | 75.2  | 74.2  |
|           | Rajshahi         |              | 80.5 | 82.3  | 81.4  |
|           | Sylhet           |              | 80.4 | 80.8  | 80.6  |
| District  | Barisal          | Barguna      | 82.6 | 85.2  | 83.9  |
|           |                  | Barisal      | 85.8 | 87.4  | 86.6  |
|           |                  | Bhola        | 75.1 | 82.2  | 78.5  |
|           |                  | Jhalokati    | 94.6 | 90.2  | 92.4  |
|           |                  | Patuakhali   | 68.1 | 73.4  | 70.5  |
|           |                  | Pirojpur     | 81.6 | 83.3  | 82.4  |
|           | Chittagong       | Bandarban    | 60.7 | 63.3  | 61.9  |
|           |                  | Brahmanbaria | 85.0 | 88.0  | 86.5  |
|           |                  | Chandpur     | 81.2 | 87.6  | 84.3  |
|           |                  | Chittagong   | 82.3 | 83.4  | 82.9  |
|           |                  | Comilla      | 81.5 | 84.8  | 83.1  |
|           |                  | Cox's Bazar  | 59.7 | 58.8  | 59.3  |
|           |                  | Feni         | 82.9 | 84.3  | 83.5  |
|           |                  | Khagrachhari | 76.9 | 81.2  | 78.9  |
|           |                  | Lakshmipur   | 74.4 | 76.2  | 75.3  |
|           |                  | Noakhali     | 79.1 | 83.1  | 81.0  |
|           |                  | Rangamati    | 80.2 | 79.5  | 79.9  |
|           | Dhaka            | Dhaka        | 75.1 | 75.5  | 75.3  |
|           |                  | Faridpur     | 76.5 | 78.8  | 77.7  |
|           |                  | Gazipur      | 85.1 | 84.3  | 84.6  |
|           |                  | Gopalganj    | 78.4 | 78.1  | 78.3  |
|           |                  | Jamalpur     | 76.4 | 81.0  | 78.6  |
|           |                  | Kishorganj   | 75.0 | 77.3  | 76.1  |
|           |                  | Madaripur    | 77.7 | 83.7  | 80.7  |
|           |                  | Manikganj    | 81.5 | 87.2  | 84.5  |
|           |                  | Munshiganj   | 80.6 | 84.0  | 82.4  |
|           |                  | Mymensingh   | 76.6 | 87.3  | 82.0  |
|           |                  | Narayanganj  | 78.5 | 86.2  | 82.3  |
|           |                  | Narsingdi    | 72.7 | 75.5  | 74.3  |
|           |                  | Netrakona    | 83.4 | 86.2  | 84.9  |

|          |             | Boys        | Girls     | Total |      |      |
|----------|-------------|-------------|-----------|-------|------|------|
|          | Rajbari     | 81.5        | 83.8      | 82.6  |      |      |
|          |             | 83.0        | 82.3      | 82.6  |      |      |
|          |             | 83.8        | 83.6      | 83.7  |      |      |
|          |             | 83.3        | 83.8      | 83.5  |      |      |
|          | Khulna      | Bagerhat    | 76.0      | 76.7  | 76.5 |      |
|          |             | Chuadanga   | 74.4      | 75.4  | 74.9 |      |
|          |             | Jessore     | 70.2      | 75.0  | 72.6 |      |
|          |             | Jhenaidah   | 81.9      | 79.7  | 80.9 |      |
|          |             | Khulna      | 76.0      | 80.9  | 78.4 |      |
|          |             | Kushtia     | 52.2      | 56.1  | 54.0 |      |
|          |             | Magura      | 78.0      | 75.6  | 76.7 |      |
|          |             | Meherpur    | 76.8      | 76.2  | 76.6 |      |
|          |             | Narail      | 83.3      | 85.6  | 84.4 |      |
|          |             | Satkhira    | 79.7      | 81.1  | 80.3 |      |
|          |             | Rajshahi    | Bogra     | 77.1  | 79.7 | 78.2 |
|          |             |             | Dinajpur  | 78.4  | 80.4 | 79.3 |
|          |             |             | Gaibandha | 73.0  | 74.8 | 73.9 |
|          | Joypurhat   |             | 83.8      | 88.8  | 86.0 |      |
|          | Kurigram    |             | 86.4      | 89.0  | 87.7 |      |
|          | Lalmonirhat |             | 91.7      | 91.7  | 91.7 |      |
|          | Naogaon     |             | 89.2      | 88.8  | 89.0 |      |
|          | Natore      |             | 69.1      | 67.9  | 68.3 |      |
|          | Nawabganj   |             | 80.3      | 84.2  | 82.4 |      |
|          | Nilphamari  |             | 85.0      | 85.1  | 85.0 |      |
|          | Pabna       |             | 67.3      | 68.7  | 68.1 |      |
|          | Panchagarh  |             | 89.6      | 92.0  | 90.7 |      |
|          | Rajshahi    |             | 86.4      | 91.2  | 88.7 |      |
|          | Rangpur     |             | 89.8      | 86.2  | 88.1 |      |
|          | Sirajganj   |             | 77.5      | 83.3  | 80.2 |      |
|          | Thakurgaon  |             | 73.7      | 77.9  | 75.7 |      |
|          | Sylhet      | Habiganj    | 80.7      | 76.9  | 78.9 |      |
|          |             | Maulvibazar | 83.2      | 87.1  | 85.1 |      |
|          |             | Sunamganj   | 85.4      | 81.9  | 83.6 |      |
|          |             | Sylhet      | 75.5      | 78.3  | 76.8 |      |
| National |             | 78.7        | 81.0      | 79.8  |      |      |

**Table 12: Primary school drop-out rate**

Percentage of children who attended primary school in 2008 but dropped out in 2009

|          |                  | Boys         | Girls | Total |
|----------|------------------|--------------|-------|-------|
| Area     | Rural            | 1.4          | 1.0   | 1.2   |
|          | Urban            | 1.6          | 0.8   | 1.2   |
|          | Municipality     | 1.5          | 0.7   | 1.1   |
|          | City corporation | 1.4          | 1.3   | 1.4   |
|          | Slum             | 7.1          | 8.6   | 7.9   |
| Grade    | 1                | 0.5          | 0.4   | 0.4   |
|          | 2                | 0.7          | 0.5   | 0.6   |
|          | 3                | 1.3          | 0.6   | 1.0   |
|          | 4                | 1.6          | 0.9   | 1.3   |
|          | 5                | 3.2          | 2.3   | 2.8   |
| Division | Barisal          | 1.2          | 0.5   | 0.9   |
|          | Chittagong       | 1.5          | 1.1   | 1.3   |
|          | Dhaka            | 1.7          | 1.1   | 1.4   |
|          | Khulna           | 1.6          | 1.1   | 1.3   |
|          | Rajshahi         | 1.2          | 0.6   | 0.9   |
|          | Sylhet           | 1.6          | 1.4   | 1.5   |
|          | Barisal          | Barguna      | 0.5   | 0.8   |
|          |                  | Barisal      | 1.8   | 1.3   |
|          |                  | Bhola        | 2.1   | 1.1   |
|          |                  | Jhalokati    | 0.2   | 0.1   |
|          |                  | Patuakhali   | 0.8   | 0.5   |
|          |                  | Pirojpur     | 0.8   | 0.7   |
|          | Chittagong       | Bandarban    | 2.5   | 2.3   |
|          |                  | Brahmanbaria | 1.2   | 0.8   |
|          |                  | Chandpur     | 1.1   | 0.7   |
|          |                  | Chittagong   | 1.6   | 1.7   |
|          |                  | Comilla      | 1.7   | 1.2   |
|          |                  | Cox's Bazar  | 2.3   | 2.3   |
|          |                  | Feni         | 1.4   | 1.6   |
|          |                  | Khagrachhari | 1.1   | 1.0   |
|          |                  | Lakshmipur   | 0.7   | 0.8   |
|          |                  | Noakhali     | 1.4   | 1.0   |
|          |                  | Rangamati    | 0.7   | 0.9   |
|          |                  | Dhaka        | 5.9   | 4.8   |
|          | Dhaka            | Faridpur     | 4.9   | 3.0   |
|          |                  | Gazipur      | 0.2   | 0.6   |
|          |                  | Gopalganj    | 0.9   | 0.6   |
|          |                  | Jamalpur     | 1.0   | 0.9   |
|          |                  | Kishorganj   | 2.1   | 1.6   |
|          |                  | Madaripur    | 1.2   | 0.8   |
|          |                  | Manikganj    | 1.9   | 1.2   |

|          |             | Boys        | Girls | Total |     |
|----------|-------------|-------------|-------|-------|-----|
|          | Munshiganj  | 0.8         | 0.7   | 0.7   |     |
|          | Mymensingh  | 0.9         | 0.9   | 0.9   |     |
|          | Narayanganj | 0.7         | 0.2   | 0.5   |     |
|          | Narsingdi   | 1.3         | 1.1   | 1.2   |     |
|          | Netrakona   | 1.2         | 1.0   | 1.1   |     |
|          | Rajbari     | 0.4         | 0.5   | 0.5   |     |
|          | Shariatpur  | 1.1         | 1.9   | 1.5   |     |
|          | Sherpur     | 1.9         | 1.6   | 1.7   |     |
|          | Tangail     | 1.3         | 1.0   | 1.1   |     |
|          | Khulna      | Bagerhat    | 1.9   | 2.1   | 2.0 |
|          |             | Chuadanga   | 1.4   | 0.9   | 1.1 |
|          |             | Jessore     | 2.7   | 2.2   | 2.5 |
|          |             | Jhenaidah   | 0.7   | 0.1   | 0.4 |
|          |             | Khulna      | 1.6   | 0.4   | 1.0 |
|          |             | Kushtia     | 2.0   | 1.6   | 1.8 |
|          |             | Magura      | 0.8   | 0.4   | 0.6 |
|          |             | Meherpur    | 0.9   | 0.4   | 0.7 |
|          |             | Narail      | 0.8   | 0.4   | 0.6 |
|          |             | Satkhira    | 1.1   | 0.9   | 1.0 |
|          | Rajshahi    | Bogra       | 0.5   | 0.4   | 0.4 |
|          |             | Dinajpur    | 1.3   | 0.6   | 0.9 |
|          |             | Gaibandha   | 0.6   | 0.8   | 0.7 |
|          |             | Joypurhat   | 0.7   | 0.5   | 0.6 |
|          |             | Kurigram    | 2.6   | 1.2   | 1.9 |
|          |             | Lalmonirhat | 0.2   | 0.1   | 0.2 |
|          |             | Naogaon     | 0.5   | 0.4   | 0.5 |
|          |             | Natore      | 2.4   | 2.3   | 2.4 |
|          |             | Nawabganj   | 0.7   | 0.5   | 0.6 |
|          |             | Nilphamari  | 1.8   | 0.3   | 1.0 |
|          |             | Pabna       | 0.6   | 0.5   | 0.6 |
|          |             | Panchagarh  | 0.9   | 0.2   | 0.6 |
|          |             | Rajshahi    | 0.9   | 0.4   | 0.6 |
|          |             | Rangpur     | 1.4   | 0.8   | 1.1 |
|          |             | Sirajganj   | 2.4   | 0.5   | 1.4 |
|          |             | Thakurgaon  | 1.5   | 1.0   | 1.2 |
|          | Sylhet      | Habiganj    | 3.8   | 1.4   | 2.6 |
|          |             | Maulvibazar | 1.9   | 1.5   | 1.7 |
|          |             | Sunamganj   | 0.4   | 1.5   | 0.9 |
|          |             | Sylhet      | 0.9   | 1.1   | 1.0 |
| National |             | 1.4         | 1.0   | 1.2   |     |

**Table 13: Secondary school drop-out rate**

Percentage of children who attended secondary school in 2008 but dropped out in 2009

|                    |                  | Boys         | Girls | Total |
|--------------------|------------------|--------------|-------|-------|
| Area               | Rural            | 3.0          | 4.1   | 3.5   |
|                    | Urban            | 3.3          | 3.6   | 3.4   |
|                    | Municipality     | 3.2          | 3.4   | 3.3   |
|                    | City corporation | 2.3          | 3.3   | 2.8   |
|                    | Slum             | 10.0         | 16.3  | 13.2  |
| Class of education | 6                | 1.7          | 1.3   | 1.5   |
| attended last year | 7                | 2.6          | 2.1   | 2.4   |
|                    | 8                | 2.7          | 3.2   | 2.9   |
|                    | 9                | 3.4          | 4.7   | 4.1   |
|                    | 10               | 5.2          | 8.6   | 6.8   |
| Division           | Barisal          | 1.4          | 2.6   | 2.0   |
|                    | Chittagong       | 3.9          | 5.0   | 4.5   |
|                    | Dhaka            | 3.8          | 3.7   | 3.7   |
|                    | Khulna           | 3.1          | 3.5   | 3.3   |
|                    | Rajshahi         | 2.3          | 3.9   | 3.1   |
|                    | Sylhet           | 3.0          | 3.8   | 3.4   |
|                    | Barisal          | Barguna      | 1.4   | 2.1   |
|                    |                  | Barisal      | 2.5   | 2.8   |
|                    |                  | Bhola        | 0.6   | 1.6   |
|                    |                  | Jhalokati    | 2.0   | 2.5   |
|                    |                  | Patuakhali   | 0.8   | 1.2   |
|                    |                  | Pirojpur     | 1.0   | 1.6   |
|                    | Chittagong       | Bandarban    | 4.4   | 5.1   |
|                    |                  | Brahmanbaria | 2.6   | 3.2   |
|                    |                  | Chandpur     | 3.9   | 4.0   |
|                    |                  | Chittagong   | 7.2   | 8.2   |
|                    |                  | Comilla      | 3.7   | 3.9   |
|                    |                  | Cox's Bazar  | 3.1   | 3.6   |
|                    |                  | Feni         | 2.8   | 4.1   |
|                    |                  | Khagrachhari | 4.4   | 4.0   |
|                    |                  | Lakshmipur   | 2.2   | 3.5   |
|                    |                  | Noakhali     | 2.8   | 3.5   |
|                    |                  | Rangamati    | 2.9   | 3.2   |
|                    |                  | Dhaka        | 8.9   | 8.7   |
|                    | Dhaka            | Faridpur     | 4.5   | 4.7   |
|                    |                  | Gazipur      | 4.1   | 3.5   |
|                    |                  | Gopalganj    | 2.6   | 2.4   |
|                    |                  | Jamalpur     | 1.9   | 3.1   |
|                    |                  | Kishorganj   | 6.4   | 5.0   |
|                    |                  | Madaripur    | 5.2   | 4.5   |
|                    |                  | Manikganj    | 4.6   | 6.5   |

|          |             | Boys        | Girls | Total |     |
|----------|-------------|-------------|-------|-------|-----|
|          | Munshiganj  | 3.8         | 4.9   | 4.4   |     |
|          | Mymensingh  | 1.9         | 2.6   | 2.2   |     |
|          | Narayanganj | 2.4         | 4.8   | 3.6   |     |
|          | Narsingdi   | 2.1         | 1.9   | 2.0   |     |
|          | Netrakona   | 2.5         | 2.1   | 2.3   |     |
|          | Rajbari     | 1.1         | 1.3   | 1.2   |     |
|          | Shariatpur  | 5.1         | 3.1   | 4.1   |     |
|          | Sherpur     | 3.4         | 3.6   | 3.5   |     |
|          | Tangail     | 3.5         | 2.7   | 3.1   |     |
|          | Khulna      | Bagerhat    | 2.8   | 4.7   | 3.7 |
|          |             | Chuadanga   | 2.9   | 3.7   | 3.3 |
|          |             | Jessore     | 5.4   | 4.1   | 4.7 |
|          |             | Jhenaidah   | 3.1   | 2.6   | 2.8 |
|          |             | Khulna      | 2.1   | 3.7   | 2.9 |
|          |             | Kushtia     | 5.5   | 4.7   | 5.1 |
|          |             | Magura      | 1.5   | 1.0   | 1.3 |
|          |             | Meherpur    | 2.8   | 2.6   | 2.7 |
|          |             | Narail      | 1.1   | 1.8   | 1.5 |
|          |             | Satkhira    | 1.8   | 2.9   | 2.4 |
|          | Rajshahi    | Bogra       | 3.6   | 5.2   | 4.4 |
|          |             | Dinajpur    | 2.0   | 3.8   | 2.9 |
|          |             | Gaibandha   | 1.7   | 1.4   | 1.5 |
|          |             | Joypurhat   | 1.4   | 2.5   | 1.9 |
|          |             | Kurigram    | 3.2   | 6.4   | 4.8 |
|          |             | Lalmonirhat | 1.7   | 1.1   | 1.4 |
|          |             | Naogaon     | 1.8   | 3.7   | 2.7 |
|          |             | Natore      | 4.5   | 7.5   | 5.9 |
|          |             | Nawabganj   | 0.6   | 2.7   | 1.7 |
|          |             | Nilphamari  | 2.5   | 1.8   | 2.1 |
|          |             | Pabna       | 2.0   | 3.4   | 2.7 |
|          |             | Panchagarh  | 2.8   | 1.6   | 2.2 |
|          |             | Rajshahi    | 0.9   | 4.8   | 2.9 |
|          |             | Rangpur     | 2.8   | 4.9   | 3.9 |
|          |             | Sirajganj   | 1.9   | 4.9   | 3.5 |
|          |             | Thakurgaon  | 4.0   | 1.8   | 2.9 |
|          | Sylhet      | Habiganj    | 2.3   | 2.9   | 2.6 |
|          |             | Maulvibazar | 5.3   | 4.9   | 5.1 |
|          |             | Sunamganj   | 0.9   | 2.9   | 1.9 |
|          |             | Sylhet      | 3.5   | 4.4   | 3.9 |
| National |             | 3.1         | 3.9   | 3.5   |     |

**Table 14:** Repetition rate of primary school

Proportion of children who remained in the same grade of primary school in 2008 and 2009

|                    |                  | Boys         | Girls | Total |
|--------------------|------------------|--------------|-------|-------|
| Area               | Rural            | 5.0          | 4.8   | 4.9   |
|                    | Urban            | 4.5          | 4.7   | 4.6   |
|                    | Municipality     | 4.7          | 4.8   | 4.7   |
|                    | City corporation | 4.2          | 4.5   | 4.3   |
|                    | Slum             | 7.5          | 8.1   | 7.8   |
| Class of education | 1                | 10.6         | 10.8  | 10.7  |
|                    | 2                | 3.1          | 2.8   | 3.0   |
|                    | 3                | 2.0          | 2.1   | 2.0   |
|                    | 4                | 3.2          | 3.0   | 3.1   |
|                    | 5                | 7.5          | 7.3   | 7.4   |
| Division           | Barisal          | 4.7          | 4.5   | 4.6   |
|                    | Chittagong       | 4.3          | 4.3   | 4.3   |
|                    | Dhaka            | 5.0          | 4.8   | 4.9   |
|                    | Khulna           | 7.4          | 7.3   | 7.4   |
|                    | Rajshahi         | 4.4          | 4.3   | 4.4   |
|                    | Sylhet           | 4.5          | 4.4   | 4.4   |
|                    | Barisal          | Barguna      | 4.1   | 4.6   |
|                    |                  | Barisal      | 3.0   | 3.0   |
|                    |                  | Bhola        | 5.9   | 4.9   |
|                    |                  | Jhalokati    | 1.5   | 2.3   |
|                    |                  | Patuakhali   | 8.0   | 7.1   |
|                    |                  | Pirojpur     | 4.2   | 4.9   |
|                    | Chittagong       | Bandarban    | 9.4   | 9.2   |
|                    |                  | Brahmanbaria | 3.8   | 3.2   |
|                    |                  | Chandpur     | 4.3   | 4.0   |
|                    |                  | Chittagong   | 3.2   | 3.7   |
|                    |                  | Comilla      | 3.5   | 3.9   |
|                    |                  | Cox's Bazar  | 10.1  | 11.2  |
|                    |                  | Feni         | 3.5   | 3.5   |
|                    |                  | Khagrachhari | 5.4   | 4.2   |
|                    |                  | Lakshmipur   | 4.0   | 4.1   |
|                    |                  | Noakhali     | 4.0   | 3.1   |
|                    |                  | Rangamati    | 5.1   | 4.7   |
|                    |                  | Dhaka        | 4.6   | 5.7   |
|                    | Dhaka            | Faridpur     | 5.6   | 6.0   |
|                    |                  | Gazipur      | 4.2   | 5.2   |
|                    |                  | Gopalganj    | 7.2   | 6.8   |
|                    |                  | Jamalpur     | 6.9   | 4.6   |
|                    |                  | Kishorganj   | 5.7   | 4.9   |
|                    |                  | Madaripur    | 4.3   | 4.3   |
|                    |                  | Manikganj    | 4.6   | 3.5   |
|                    |                  |              |       | 4.1   |



|  |                 | Boys        | Girls      | Total      |
|--|-----------------|-------------|------------|------------|
|  | Munshiganj      | 5.2         | 4.5        | 4.8        |
|  | Mymensingh      | 4.1         | 3.2        | 3.7        |
|  | Narayanganj     | 5.7         | 4.7        | 5.2        |
|  | Narsingdi       | 7.2         | 6.2        | 6.7        |
|  | Netrakona       | 4.2         | 3.6        | 3.9        |
|  | Rajbari         | 5.0         | 4.7        | 4.9        |
|  | Shariatpur      | 4.6         | 5.0        | 4.8        |
|  | Sherpur         | 4.0         | 4.7        | 4.3        |
|  | Tangail         | 3.9         | 4.0        | 4.0        |
|  | Khulna          | Bagerhat    | 6.1        | 6.4        |
|  |                 | Chuadanga   | 6.7        | 7.3        |
|  |                 | Jessore     | 7.9        | 7.7        |
|  |                 | Jhenaidah   | 6.2        | 6.8        |
|  |                 | Khulna      | 6.8        | 6.5        |
|  |                 | Kushtia     | 15.0       | 14.2       |
|  |                 | Magura      | 6.0        | 6.0        |
|  |                 | Meherpur    | 6.2        | 6.0        |
|  |                 | Narail      | 4.1        | 3.9        |
|  | Rajshahi        | Satkhira    | 5.2        | 5.0        |
|  |                 | Bogra       | 5.1        | 5.2        |
|  |                 | Dinajpur    | 5.3        | 5.1        |
|  |                 | Gaibandha   | 6.8        | 6.6        |
|  |                 | Joypurhat   | 3.9        | 3.4        |
|  |                 | Kurigram    | 2.2        | 2.2        |
|  |                 | Lalmonirhat | 2.1        | 2.1        |
|  |                 | Naogaon     | 1.7        | 1.9        |
|  |                 | Natore      | 6.5        | 6.6        |
|  |                 | Nawabganj   | 3.5        | 3.3        |
|  |                 | Nilphamari  | 3.7        | 4.0        |
|  |                 | Pabna       | 9.6        | 9.1        |
|  | Sylhet          | Panchagarh  | 1.5        | 1.9        |
|  |                 | Rajshahi    | 2.6        | 2.4        |
|  |                 | Rangpur     | 2.1        | 2.2        |
|  |                 | Sirajganj   | 4.8        | 4.5        |
|  |                 | Thakurgaon  | 7.6        | 6.9        |
|  |                 | Habiganj    | 4.6        | 5.0        |
|  |                 | Maulvibazar | 3.1        | 3.0        |
|  |                 | Sunamganj   | 3.5        | 3.8        |
|  |                 | Sylhet      | 5.8        | 5.4        |
|  | <b>National</b> |             | <b>4.9</b> | <b>4.8</b> |

**Table 15:** Repetition rate of secondary school

Proportion of children who remained in the same grade of secondary school in 2008 and 2009

|                    |                  | Boys         | Girls | Total |
|--------------------|------------------|--------------|-------|-------|
| Area               | Rural            | 3.7          | 3.6   | 3.7   |
|                    | Urban            | 3.9          | 3.7   | 3.8   |
|                    | Municipality     | 3.6          | 3.8   | 3.7   |
|                    | City corporation | 4.2          | 3.6   | 3.9   |
|                    | Slum             | 5.5          | 4.4   | 4.9   |
| Class of education | 6                | 4.1          | 5.1   | 4.6   |
|                    | 7                | 2.8          | 3.1   | 3.0   |
|                    | 8                | 3.5          | 2.8   | 3.2   |
|                    | 9                | 3.5          | 3.6   | 3.6   |
|                    | 10               | 4.6          | 3.3   | 4.0   |
| Division           | Barisal          | 3.4          | 3.0   | 3.2   |
|                    | Chittagong       | 3.3          | 2.9   | 3.1   |
|                    | Dhaka            | 3.8          | 4.0   | 3.9   |
|                    | Khulna           | 6.1          | 5.2   | 5.7   |
|                    | Rajshahi         | 3.1          | 3.1   | 3.1   |
|                    | Sylhet           | 3.5          | 3.0   | 3.2   |
|                    | Barisal          | Barguna      | 2.1   | 2.2   |
|                    |                  | Barisal      | 3.9   | 3.6   |
|                    |                  | Bhola        | 4.6   | 3.4   |
|                    |                  | Jhalokati    | 1.5   | 1.4   |
|                    |                  | Patuakhali   | 4.1   | 3.9   |
|                    |                  | Pirojpur     | 2.4   | 3.2   |
|                    | Chittagong       | Bandarban    | 9.8   | 9.9   |
|                    |                  | Brahmanbaria | 2.5   | 2.9   |
|                    |                  | Chandpur     | 2.7   | 2.5   |
|                    |                  | Chittagong   | 3.0   | 2.6   |
|                    |                  | Comilla      | 2.9   | 2.7   |
|                    |                  | Cox's Bazar  | 7.0   | 6.7   |
|                    |                  | Feni         | 3.5   | 2.7   |
|                    |                  | Khagrachhari | 2.9   | 3.2   |
|                    |                  | Lakshmipur   | 1.5   | 1.7   |
|                    |                  | Noakhali     | 3.9   | 4.1   |
|                    |                  | Rangamati    | 5.1   | 4.1   |
|                    |                  | Dhaka        | 4.3   | 3.9   |
|                    | Dhaka            | Faridpur     | 5.1   | 4.6   |
|                    |                  | Gazipur      | 3.5   | 4.3   |
|                    |                  | Gopalganj    | 6.4   | 5.1   |
|                    |                  | Jamalpur     | 3.8   | 4.0   |
|                    |                  | Kishorganj   | 5.5   | 6.1   |
|                    |                  | Madaripur    | 2.8   | 3.9   |
|                    |                  | Manikganj    | 2.2   | 2.3   |

|          |             | Boys        | Girls       | Total |     |     |
|----------|-------------|-------------|-------------|-------|-----|-----|
|          | Munshiganj  | 5.1         | 3.8         | 4.3   |     |     |
|          | Mymensingh  | 2.4         | 2.4         | 2.4   |     |     |
|          | Narayanganj | 4.4         | 6.1         | 5.3   |     |     |
|          | Narsingdi   | 5.8         | 6.8         | 6.4   |     |     |
|          | Netrakona   | 3.7         | 3.0         | 3.3   |     |     |
|          | Rajbari     | 2.1         | 5.9         | 4.0   |     |     |
|          | Shariatpur  | 2.9         | 2.5         | 2.7   |     |     |
|          | Sherpur     | 2.0         | 2.1         | 2.0   |     |     |
|          | Tangail     | 2.4         | 2.2         | 2.3   |     |     |
|          | Khulna      | Bagerhat    | 5.9         | 6.2   | 6.1 |     |
|          |             | Chuadanga   | 8.1         | 5.5   | 6.8 |     |
|          |             | Jessore     | 6.0         | 6.2   | 6.1 |     |
|          |             | Jhenaidah   | 6.2         | 4.4   | 5.3 |     |
|          |             | Khulna      | 6.2         | 4.6   | 5.4 |     |
|          |             | Kushtia     | 10.3        | 8.4   | 9.3 |     |
|          |             | Magura      | 5.0         | 5.6   | 5.3 |     |
|          |             | Meherpur    | 4.8         | 4.2   | 4.5 |     |
|          |             | Narail      | 3.9         | 4.2   | 4.0 |     |
|          |             | Satkhira    | 3.4         | 2.0   | 2.7 |     |
|          | Rajshahi    | Bogra       | 3.9         | 4.6   | 4.2 |     |
|          |             | Dinajpur    | 4.4         | 4.5   | 4.4 |     |
|          |             | Gaibandha   | 4.3         | 3.8   | 4.0 |     |
|          |             | Joypurhat   | 2.0         | 1.2   | 1.6 |     |
|          |             | Kurigram    | 2.5         | 0.7   | 1.7 |     |
|          |             | Lalmonirhat | 0.9         | 1.1   | 1.0 |     |
|          |             | Naogaon     | 0.8         | 0.8   | 0.8 |     |
|          |             | Natore      | 7.0         | 4.9   | 6.0 |     |
|          |             | Nawabganj   | 1.2         | 1.5   | 1.3 |     |
|          |             | Nilphamari  | 2.3         | 2.5   | 2.4 |     |
|          |             | Pabna       | 6.6         | 7.0   | 6.8 |     |
|          |             | Panchagarh  | 0.9         | 1.9   | 1.4 |     |
|          |             | Rajshahi    | 1.8         | 2.0   | 1.9 |     |
|          |             | Rangpur     | 0.7         | 1.2   | 0.9 |     |
|          |             | Sirajganj   | 3.2         | 3.6   | 3.4 |     |
|          |             | Thakurgaon  | 5.8         | 6.2   | 6.0 |     |
|          |             | Sylhet      | Habiganj    | 2.6   | 2.5 | 2.6 |
|          |             |             | Maulvibazar | 2.5   | 1.4 | 1.9 |
|          |             |             | Sunamganj   | 3.3   | 2.3 | 2.8 |
|          |             |             | Sylhet      | 4.5   | 4.6 | 4.5 |
| National |             | 3.8         | 3.6         | 3.7   |     |     |

**Table 16:** Literacy rate of women aged 15-24 years  
Percentage of women aged 15-24 years who are literate

|          |                  | %            | Number |
|----------|------------------|--------------|--------|
| Area     | Rural            | 70.3         | 90,739 |
|          | Urban            | 77.3         | 20,886 |
|          | Municipality     | 77.7         | 15,453 |
|          | City corporation | 77.8         | 4,117  |
|          | Slum             | 51.7         | 1,316  |
| Division | Barisal          | 76.1         | 9,012  |
|          | Chittagong       | 72.4         | 24,195 |
|          | Dhaka            | 71.9         | 28,684 |
|          | Khulna           | 77.5         | 14,006 |
|          | Rajshahi         | 70.0         | 26,199 |
|          | Sylhet           | 64.1         | 9,529  |
|          | Barisal          | Barguna      | 76.3   |
|          |                  | Barisal      | 80.1   |
|          |                  | Bhola        | 62.3   |
|          |                  | Jhalokati    | 87.5   |
|          |                  | Patuakhali   | 74.3   |
|          |                  | Pirojpur     | 85.0   |
|          | Chittagong       | Bandarban    | 39.8   |
|          |                  | Brahmanbaria | 61.2   |
|          |                  | Chandpur     | 77.9   |
|          |                  | Chittagong   | 77.4   |
|          |                  | Comilla      | 73.9   |
|          |                  | Cox's Bazar  | 54.4   |
|          |                  | Feni         | 83.5   |
|          |                  | Khagrachhari | 53.8   |
|          |                  | Lakshmipur   | 73.5   |
|          |                  | Noakhali     | 76.2   |
|          |                  | Rangamati    | 52.7   |
|          | Dhaka            | Dhaka        | 76.1   |
|          |                  | Faridpur     | 74.1   |
|          |                  | Gazipur      | 81.4   |
|          |                  | Gopalganj    | 71.8   |
|          |                  | Jamalpur     | 62.0   |
|          |                  | Kishorganj   | 63.8   |
|          |                  | Madaripur    | 69.8   |
|          |                  | Manikganj    | 75.3   |
|          |                  | Munshiganj   | 83.2   |
|          |                  | Mymensingh   | 65.5   |
|          |                  | Narayanganj  | 74.2   |
|          |                  | Narsingdi    | 72.7   |
|          |                  | Netrakona    | 61.4   |
|          |                  | Rajbari      | 71.5   |
|          |                  | Shariatpur   | 75.2   |

|                            |                    | %                  | Number  |        |
|----------------------------|--------------------|--------------------|---------|--------|
|                            | Khulna             | Sherpur            | 56.9    | 1,031  |
|                            |                    | Tangail            | 69.4    | 2,336  |
|                            |                    | Bagerhat           | 83.7    | 1,848  |
|                            |                    | Chuadanga          | 73.7    | 968    |
|                            |                    | Jessore            | 82.3    | 1,779  |
|                            |                    | Jhenaidah          | 78.8    | 1,329  |
|                            |                    | Khulna             | 77.5    | 2,725  |
|                            |                    | Kushtia            | 71.1    | 1,240  |
|                            |                    | Magura             | 73.6    | 1,007  |
|                            |                    | Meherpur           | 72.5    | 700    |
|                            |                    | Narail             | 77.0    | 805    |
|                            |                    | Satkhira           | 76.2    | 1,605  |
|                            | Rajshahi           | Bogra              | 71.7    | 2,222  |
|                            |                    | Dinajpur           | 76.2    | 2,525  |
|                            |                    | Gaibandha          | 64.4    | 1,373  |
|                            |                    | Joypurhat          | 75.1    | 1,086  |
|                            |                    | Kurigram           | 61.7    | 1,627  |
|                            |                    | Lalmonirhat        | 68.1    | 1,205  |
|                            |                    | Naogaon            | 73.4    | 2,288  |
|                            |                    | Natore             | 66.3    | 1,216  |
|                            |                    | Nawabganj          | 72.2    | 1,392  |
|                            |                    | Nilphamari         | 65.6    | 1,349  |
|                            |                    | Pabna              | 69.3    | 1,769  |
|                            |                    | Panchagarh         | 71.6    | 1,168  |
|                            |                    | Rajshahi           | 79.4    | 2,423  |
|                            |                    | Rangpur            | 73.6    | 1,622  |
|                            |                    | Sirajganj          | 59.6    | 1,736  |
|                            |                    | Thakurgaon         | 69.2    | 1,198  |
|                            | Sylhet             | Habiganj           | 56.4    | 1,889  |
|                            |                    | Maulvibazar        | 72.3    | 1,650  |
|                            |                    | Sunamganj          | 57.7    | 2,623  |
|                            |                    | Sylhet             | 68.8    | 3,367  |
|                            | Education of women | None               | 25.9    | 21,455 |
|                            |                    | Primary incomplete | 29.8    | 13,510 |
| Primary completed          |                    | 53.4               | 14,172  |        |
| Secondary incomplete       |                    | 100.0              | 44,260  |        |
| Secondary completed        |                    | 100.0              | 11,413  |        |
| Higher Secondary completed |                    | 100.0              | 4,737   |        |
| Degree and above           |                    | 100.0              | 1,843   |        |
| No class system            |                    | 0.0                | 118     |        |
| Missing/DK                 |                    | 4.1                | 117     |        |
| Age                        |                    | 15-19              | 78.6    | 44,904 |
|                            | 20-24              | 67.4               | 66,721  |        |
| National                   |                    | 72.0               | 111,625 |        |

**Table 17:** Comprehensive knowledge of HIV and AIDS among young women  
Percentage of women aged 15-24 years who have comprehensive knowledge of HIV and AIDS

|           |                  |              | Knows two ways to prevent HIV transmission | Correctly identify three misconceptions about HIV transmission | Have comprehensive knowledge (identify two prevention methods and three misconceptions) | Number of women interviewed |
|-----------|------------------|--------------|--------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------|
| Age       | 15-19            |              | 36.8                                       | 25.5                                                           | 15.7                                                                                    | 44,904                      |
|           | 20-24            |              | 34.3                                       | 22.4                                                           | 13.9                                                                                    | 66,721                      |
| Residence | Rural            |              | 33.6                                       | 21.7                                                           | 13.5                                                                                    | 90,739                      |
|           | Urban            |              | 40.9                                       | 29.8                                                           | 18.1                                                                                    | 20,886                      |
|           | Municipality     |              | 38.9                                       | 27.5                                                           | 16.2                                                                                    | 15,453                      |
|           | City corporation |              | 43.5                                       | 32.7                                                           | 20.4                                                                                    | 4,117                       |
|           | Slum             |              | 29.4                                       | 20.0                                                           | 8.7                                                                                     | 1,316                       |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
| Division  | Barisal          |              | 35.0                                       | 22.1                                                           | 14.4                                                                                    | 9,012                       |
|           | Chittagong       |              | 31.8                                       | 22.3                                                           | 12.6                                                                                    | 24,195                      |
|           | Dhaka            |              | 38.1                                       | 25.8                                                           | 16.0                                                                                    | 28,684                      |
|           | Khulna           |              | 44.2                                       | 28.7                                                           | 19.4                                                                                    | 14,006                      |
|           | Rajshahi         |              | 32.1                                       | 21.3                                                           | 13.4                                                                                    | 26,199                      |
|           | Sylhet           |              | 26.7                                       | 16.7                                                           | 9.4                                                                                     | 9,529                       |
| District  | Barisal          | Barguna      | 27.0                                       | 14.5                                                           | 9.1                                                                                     | 1,119                       |
|           |                  | Barisal      | 50.4                                       | 34.2                                                           | 26.3                                                                                    | 2,415                       |
|           |                  | Bhola        | 24.0                                       | 13.4                                                           | 7.9                                                                                     | 1,513                       |
|           |                  | Jhalokati    | 33.2                                       | 21.1                                                           | 11.3                                                                                    | 923                         |
|           |                  | Patuakhali   | 31.6                                       | 17.9                                                           | 9.8                                                                                     | 1,549                       |
|           |                  | Pirojpur     | 30.9                                       | 21.8                                                           | 11.6                                                                                    | 1,493                       |
|           | Chittagong       | Bandarban    | 20.3                                       | 11.8                                                           | 7.2                                                                                     | 1,502                       |
|           |                  | Brahmanbaria | 26.1                                       | 16.1                                                           | 11.9                                                                                    | 1,740                       |
|           |                  | Chandpur     | 28.9                                       | 13.8                                                           | 7.0                                                                                     | 1,964                       |
|           |                  | Chittagong   | 35.5                                       | 28.6                                                           | 14.4                                                                                    | 4,600                       |
|           |                  | Comilla      | 30.0                                       | 22.8                                                           | 13.1                                                                                    | 3,691                       |
|           |                  | Cox's Bazar  | 26.1                                       | 19.5                                                           | 12.5                                                                                    | 2,066                       |
|           |                  | Feni         | 34.3                                       | 20.2                                                           | 13.1                                                                                    | 1,598                       |
|           |                  | Khagrachhari | 25.7                                       | 22.0                                                           | 15.6                                                                                    | 1,750                       |
|           |                  | Lakshmipur   | 41.3                                       | 31.9                                                           | 22.0                                                                                    | 1,173                       |
|           |                  | Noakhali     | 32.5                                       | 13.8                                                           | 6.4                                                                                     | 1,935                       |
|           |                  | Rangamati    | 23.7                                       | 21.7                                                           | 11.4                                                                                    | 2,176                       |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           | Dhaka            | Dhaka        | 43.1                                       | 29.2                                                           | 19.0                                                                                    | 3,564                       |
|           |                  | Faridpur     | 39.7                                       | 23.7                                                           | 16.0                                                                                    | 1,749                       |
|           |                  | Gazipur      | 36.2                                       | 26.3                                                           | 13.3                                                                                    | 1,279                       |
|           |                  | Gopalganj    | 32.1                                       | 19.5                                                           | 9.5                                                                                     | 1,070                       |
|           |                  | Jamalpur     | 40.7                                       | 25.8                                                           | 18.1                                                                                    | 1,364                       |
|           |                  | Kishorganj   | 29.8                                       | 19.5                                                           | 10.2                                                                                    | 2,631                       |
|           |                  | Madaripur    | 43.6                                       | 19.1                                                           | 11.4                                                                                    | 946                         |
|           |                  | Manikganj    | 43.3                                       | 26.1                                                           | 18.4                                                                                    | 1,424                       |
|           |                  | Munshiganj   | 40.2                                       | 32.7                                                           | 18.2                                                                                    | 1,592                       |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |
|           |                  |              |                                            |                                                                |                                                                                         |                             |

|          |             | Knows two ways<br>to prevent HIV<br>transmission | Correctly identify<br>three<br>misconceptions<br>about HIV<br>transmission | Have<br>comprehensive<br>knowledge<br>(identify two<br>prevention<br>methods and three<br>misconceptions) | Number of women<br>interviewed |       |
|----------|-------------|--------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------|-------|
|          | Mymensingh  | 35.4                                             | 32.3                                                                       | 19.8                                                                                                      | 2,474                          |       |
|          | Narayanganj | 42.9                                             | 25.8                                                                       | 15.0                                                                                                      | 1,310                          |       |
|          | Narsingdi   | 30.4                                             | 22.0                                                                       | 10.6                                                                                                      | 1,485                          |       |
|          | Netrakona   | 26.5                                             | 18.2                                                                       | 11.5                                                                                                      | 1,867                          |       |
|          | Rajbari     | 30.5                                             | 13.0                                                                       | 8.3                                                                                                       | 1,081                          |       |
|          | Shariatpur  | 37.8                                             | 20.2                                                                       | 12.8                                                                                                      | 1,481                          |       |
|          | Sherpur     | 28.2                                             | 13.7                                                                       | 8.5                                                                                                       | 1,031                          |       |
|          | Tangail     | 35.8                                             | 24.6                                                                       | 16.4                                                                                                      | 2,336                          |       |
|          | Khulna      | Bagerhat                                         | 52.9                                                                       | 38.8                                                                                                      | 25.4                           | 1,848 |
|          |             | Chuadanga                                        | 34.6                                                                       | 23.0                                                                                                      | 15.4                           | 968   |
|          |             | Jessore                                          | 46.0                                                                       | 25.6                                                                                                      | 18.2                           | 1,779 |
|          |             | Jhenaidah                                        | 42.5                                                                       | 26.2                                                                                                      | 15.6                           | 1,329 |
|          |             | Khulna                                           | 43.5                                                                       | 34.5                                                                                                      | 22.7                           | 2,725 |
|          |             | Kushtia                                          | 42.3                                                                       | 30.3                                                                                                      | 22.3                           | 1,240 |
|          |             | Magura                                           | 48.6                                                                       | 28.8                                                                                                      | 16.5                           | 1,007 |
|          |             | Meherpur                                         | 35.8                                                                       | 20.7                                                                                                      | 11.0                           | 700   |
|          | Rajshahi    | Narail                                           | 55.6                                                                       | 27.2                                                                                                      | 18.9                           | 805   |
|          |             | Satkhira                                         | 42.1                                                                       | 25.2                                                                                                      | 19.4                           | 1,605 |
|          |             | Bogra                                            | 31.2                                                                       | 22.5                                                                                                      | 13.4                           | 2,222 |
|          |             | Dinajpur                                         | 35.5                                                                       | 23.6                                                                                                      | 15.9                           | 2,525 |
|          |             | Gaibandha                                        | 30.2                                                                       | 20.0                                                                                                      | 13.2                           | 1,373 |
|          |             | Joypurhat                                        | 35.9                                                                       | 16.5                                                                                                      | 11.3                           | 1,086 |
|          |             | Kurigram                                         | 37.4                                                                       | 33.6                                                                                                      | 26.9                           | 1,627 |
|          |             | Lalmonirhat                                      | 15.1                                                                       | 7.7                                                                                                       | 2.9                            | 1,205 |
|          |             | Naogaon                                          | 39.1                                                                       | 28.5                                                                                                      | 19.4                           | 2,288 |
|          |             | Natore                                           | 31.8                                                                       | 14.6                                                                                                      | 8.6                            | 1,216 |
|          |             | Nawabganj                                        | 29.8                                                                       | 15.7                                                                                                      | 10.7                           | 1,392 |
|          |             | Nilphamari                                       | 23.3                                                                       | 16.4                                                                                                      | 8.2                            | 1,349 |
|          |             | Pabna                                            | 29.0                                                                       | 22.1                                                                                                      | 12.6                           | 1,769 |
|          |             | Panchagarh                                       | 37.1                                                                       | 21.2                                                                                                      | 14.9                           | 1,168 |
|          |             | Rajshahi                                         | 37.2                                                                       | 28.0                                                                                                      | 15.5                           | 2,423 |
|          |             | Rangpur                                          | 29.7                                                                       | 19.3                                                                                                      | 10.3                           | 1,622 |
|          | Sylhet      | Sirajganj                                        | 34.3                                                                       | 22.2                                                                                                      | 14.3                           | 1,736 |
|          |             | Thakurgaon                                       | 29.3                                                                       | 11.6                                                                                                      | 6.7                            | 1,198 |
|          |             | Habiganj                                         | 21.8                                                                       | 16.0                                                                                                      | 8.7                            | 1,889 |
|          |             | Maulvibazar                                      | 27.8                                                                       | 24.5                                                                                                      | 12.6                           | 1,650 |
|          |             | Sunamganj                                        | 21.6                                                                       | 10.6                                                                                                      | 6.1                            | 2,623 |
| Sylhet   |             | 32.9                                             | 17.1                                                                       | 10.4                                                                                                      | 3,367                          |       |
| National |             | 35.3                                             | 23.7                                                                       | 14.6                                                                                                      | 111,625                        |       |

**Table 18:** Use of improved drinking water source

Proportion of population using improved drinking water source

|           | Main source of drinking water |                         |                       |                               |                            |                |                  |                      |                  |               |                  |                    |               |       | Proportion of population using improved source adjusted for arsenic contamination (<50 µg/l) | Number of household members                                      |      |           |         |
|-----------|-------------------------------|-------------------------|-----------------------|-------------------------------|----------------------------|----------------|------------------|----------------------|------------------|---------------|------------------|--------------------|---------------|-------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|------|-----------|---------|
|           | Improved sources              |                         |                       |                               |                            |                |                  |                      |                  |               |                  |                    |               |       |                                                                                              |                                                                  |      |           |         |
|           | Piped into dwelling           | Piped into yard or plot | Public tap/stand pipe | Shallow tube well (<500 feet) | Deep tube well (500+ feet) | Protected well | Protected spring | Rainwater collection | Pond Sand Filter | Bottled water | Unprotected well | Unprotected spring | Surface water | Other | Total                                                                                        | Proportion of population using Improved source of drinking water |      |           |         |
| Area      | Rural                         | 0.7                     | 0.8                   | 0.5                           | 77.6                       | 16.7           | 0.6              | 0.1                  | 0.1              | 0.5           | 0.0              | 0.2                | 1.7           | 0.3   | 100.0                                                                                        | 97.4                                                             | 83.8 | 1,151,653 |         |
| Division  | Urban                         | 21.5                    | 11.0                  | 8.9                           | 43.7                       | 13.7           | 0.3              | 0.0                  | 0.1              | 0.2           | 0.1              | 0.0                | 0.3           | 0.1   | 100.0                                                                                        | 99.5                                                             | 93.3 | 221,623   |         |
|           | Barisal                       | 0.5                     | 0.1                   | 0.5                           | 7.7                        | 86.5           | 0.1              | 0.0                  | 0.1              | 1.1           | 0.0              | 0.2                | 0.0           | 3.0   | 0.2                                                                                          | 100.0                                                            | 96.6 | 95.2      | 117,157 |
|           | Chittagong                    | 4.3                     | 2.5                   | 2.2                           | 65.3                       | 21.9           | 0.8              | 0.3                  | 0.0              | 0.0           | 0.0              | 1.0                | 0.6           | 0.9   | 0.4                                                                                          | 100.0                                                            | 97.2 | 73.3      | 301,054 |
|           | Dhaka                         | 11.4                    | 6.2                   | 4.3                           | 69.6                       | 7.7            | 0.3              | 0.0                  | 0.0              | 0.0           | 0.1              | 0.1                | 0.0           | 0.1   | 0.2                                                                                          | 100.0                                                            | 99.6 | 87.6      | 350,794 |
|           | Khulna                        | 0.4                     | 0.6                   | 0.8                           | 72.1                       | 17.3           | 0.2              | 0.0                  | 0.4              | 3.0           | 0.0              | 0.1                | 0.0           | 5.0   | 0.2                                                                                          | 100.0                                                            | 94.7 | 78.8      | 164,326 |
| District  | Rajshahi                      | 0.4                     | 0.7                   | 0.5                           | 93.3                       | 3.8            | 0.5              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.4                | 0.0           | 0.1   | 0.4                                                                                          | 100.0                                                            | 99.2 | 96.0      | 313,517 |
|           | Sylhet                        | 1.9                     | 0.6                   | 1.0                           | 70.4                       | 15.7           | 1.9              | 0.0                  | 0.0              | 0.1           | 0.0              | 0.8                | 0.1           | 7.0   | 0.5                                                                                          | 100.0                                                            | 91.6 | 68.3      | 126,428 |
|           | Barisal                       | 0.1                     | 0.1                   | 0.1                           | 5.4                        | 85.7           | 0.1              | 0.0                  | 0.1              | 3.6           | 0.0              | 0.1                | 0.0           | 4.8   | 0.0                                                                                          | 100.0                                                            | 95.1 | 92.6      | 13,915  |
|           | Barisal                       | 0.5                     | 0.2                   | 0.3                           | 7.7                        | 88.8           | 0.0              | 0.0                  | 0.1              | 0.0           | 0.0              | 0.2                | 0.0           | 2.0   | 0.1                                                                                          | 100.0                                                            | 97.8 | 95.2      | 31,781  |
|           | Bhola                         | 0.2                     | 0.0                   | 0.0                           | 0.5                        | 98.3           | 0.0              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.3                | 0.0           | 0.7   | 0.0                                                                                          | 100.0                                                            | 99.0 | 99.0      | 20,737  |
|           | Jhalokati                     | 0.6                     | 0.1                   | 0.5                           | 11.0                       | 85.3           | 0.1              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.4                | 0.0           | 2.0   | 0.2                                                                                          | 100.0                                                            | 97.5 | 96.0      | 11,791  |
|           | Patuakhali                    | 0.2                     | 0.1                   | 0.2                           | 2.9                        | 95.8           | 0.2              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.2                | 0.0           | 0.3   | 0.1                                                                                          | 100.0                                                            | 99.4 | 99.4      | 20,381  |
|           | Pirojpur                      | 1.7                     | 0.2                   | 2.6                           | 27.0                       | 49.4           | 0.1              | 0.0                  | 0.1              | 5.6           | 0.0              | 0.1                | 0.0           | 12.4  | 0.7                                                                                          | 100.0                                                            | 86.8 | 84.7      | 18,552  |
|           | Bandarban                     | 2.2                     | 2.5                   | 5.2                           | 26.0                       | 10.2           | 12.0             | 9.4                  | 0.1              | 0.2           | 0.1              | 3.8                | 5.7           | 21.5  | 1.1                                                                                          | 100.0                                                            | 67.8 | 67.8      | 19,913  |
|           | Brahmanbaria                  | 0.3                     | 0.3                   | 0.0                           | 91.0                       | 6.6            | 1.2              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.2                | 0.0           | 0.1   | 0.2                                                                                          | 100.0                                                            | 99.4 | 69.4      | 24,417  |
|           | Chandpur                      | 1.6                     | 0.8                   | 2.5                           | 51.5                       | 41.1           | 0.2              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.4                | 0.0           | 1.6   | 0.4                                                                                          | 100.0                                                            | 97.6 | 55.0      | 23,314  |
|           | Chittagong                    | 11.3                    | 4.4                   | 4.5                           | 54.5                       | 24.6           | 0.2              | 0.0                  | 0.0              | 0.0           | 0.1              | 0.2                | 0.0           | 0.1   | 0.1                                                                                          | 100.0                                                            | 99.5 | 94.2      | 51,855  |
|           | Comilla                       | 0.9                     | 0.7                   | 0.6                           | 89.2                       | 7.3            | 0.1              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.1                | 0.0           | 0.6   | 0.4                                                                                          | 100.0                                                            | 98.9 | 50.9      | 46,067  |
|           | Cox's Bazar                   | 6.3                     | 9.5                   | 4.8                           | 62.7                       | 11.7           | 1.1              | 0.3                  | 0.0              | 0.0           | 0.0              | 0.5                | 0.6           | 0.9   | 1.5                                                                                          | 100.0                                                            | 96.6 | 96.0      | 26,404  |
|           | Feni                          | 2.8                     | 3.6                   | 0.3                           | 79.3                       | 13.1           | 0.0              | 0.1                  | 0.0              | 0.1           | 0.0              | 0.2                | 0.0           | 0.2   | 0.3                                                                                          | 100.0                                                            | 99.4 | 71.1      | 18,043  |
|           | Khagrachhari                  | 0.6                     | 0.4                   | 0.6                           | 60.5                       | 3.0            | 3.5              | 1.1                  | 0.1              | 0.0           | 0.0              | 17.2               | 8.7           | 2.2   | 2.2                                                                                          | 100.0                                                            | 69.7 | 69.4      | 21,896  |
|           | Lakshmipur                    | 0.5                     | 0.9                   | 1.6                           | 58.9                       | 37.1           | 0.2              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.1                | 0.0           | 0.5   | 0.1                                                                                          | 100.0                                                            | 99.3 | 76.8      | 15,536  |
| Noakhali  | 0.8                           | 0.3                     | 0.2                   | 51.8                          | 46.0                       | 0.2            | 0.0              | 0.0                  | 0.0              | 0.0           | 0.1              | 0.0                | 0.5           | 0.0   | 100.0                                                                                        | 99.3                                                             | 60.1 | 26,725    |         |
| Rangamati | 1.7                           | 1.1                     | 3.1                   | 38.1                          | 6.2                        | 11.6           | 4.6              | 0.0                  | 0.0              | 0.1           | 16.1             | 11.6               | 5.7           | 0.2   | 100.0                                                                                        | 66.5                                                             | 66.0 | 26,884    |         |
| Dhaka     | Dhaka                         | 41.5                    | 21.6                  | 12.7                          | 19.5                       | 4.1            | 0.2              | 0.0                  | 0.0              | 0.2           | 0.0              | 0.0                | 0.0           | 0.1   | 100.0                                                                                        | 99.9                                                             | 94.7 | 32,980    |         |
|           | Faridpur                      | 0.6                     | 1.1                   | 0.8                           | 87.0                       | 9.9            | 0.1              | 0.0                  | 0.0              | 0.0           | 0.1              | 0.0                | 0.1           | 0.4   | 100.0                                                                                        | 99.4                                                             | 64.1 | 24,512    |         |
|           | Gazipur                       | 11.7                    | 6.1                   | 5.2                           | 72.7                       | 4.2            | 0.1              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.0   | 100.0                                                                                        | 100.0                                                            | 98.7 | 13,223    |         |
|           | Gopalganj                     | 0.8                     | 1.9                   | 0.5                           | 67.5                       | 28.5           | 0.1              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.7   | 0.1                                                                                          | 100.0                                                            | 99.1 | 51.2      | 15,529  |
|           | Jamalpur                      | 0.1                     | 0.1                   | 0.0                           | 98.4                       | 0.7            | 0.2              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.1                | 0.0           | 0.1   | 0.3                                                                                          | 100.0                                                            | 99.6 | 95.6      | 17,957  |
|           | Kishoreganj                   | 0.5                     | 0.1                   | 0.0                           | 91.2                       | 7.5            | 0.3              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.0   | 0.2                                                                                          | 100.0                                                            | 99.7 | 79.6      | 36,096  |
|           | Madaripur                     | 0.2                     | 0.1                   | 0.3                           | 63.3                       | 35.7           | 0.0              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.2   | 0.1                                                                                          | 100.0                                                            | 99.7 | 68.1      | 12,962  |
|           | Manikganj                     | 0.7                     | 2.2                   | 0.1                           | 92.8                       | 2.3            | 1.7              | 0.1                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.0   | 0.1                                                                                          | 100.0                                                            | 99.8 | 79.2      | 18,484  |
|           | Munshiganj                    | 0.1                     | 0.7                   | 0.8                           | 66.0                       | 31.6           | 0.0              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.0                | 0.0           | 0.1   | 0.6                                                                                          | 100.0                                                            | 99.3 | 75.8      | 17,167  |
|           | Mymensingh                    | 0.2                     | 0.5                   | 0.2                           | 96.7                       | 1.5            | 0.4              | 0.0                  | 0.0              | 0.0           | 0.0              | 0.3                | 0.0           | 0.0   | 0.1                                                                                          | 100.0                                                            | 99.5 | 94.6      | 30,468  |



|             | Main source of drinking water |                                    |                       |                               |                            |                |                  |                      |                    |               |                  |                    |               |       | Proportion of population using improved source of drinking water | Proportion of population using improved source adjusted for arsenic contamination (<50 µg/l) | Number of household members |           |        |
|-------------|-------------------------------|------------------------------------|-----------------------|-------------------------------|----------------------------|----------------|------------------|----------------------|--------------------|---------------|------------------|--------------------|---------------|-------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------|-----------|--------|
|             | Improved sources              |                                    |                       |                               |                            |                |                  |                      | Unimproved sources |               |                  |                    |               |       |                                                                  |                                                                                              |                             |           |        |
|             | Piped into dwelling or plot   | Piped into yard stand or plot pipe | Public tap/stand pipe | Shallow tube well (<500 feet) | Deep tube well (500+ feet) | Protected well | Protected spring | Rainwater collection | Pond Sand Filter   | Bottled water | Unprotected well | Unprotected spring | Surface water | Other | Total                                                            |                                                                                              |                             |           |        |
| Khulna      | Narayanganj                   | 6.4                                | 4.8                   | 12.3                          | 65.0                       | 11.0           | 0.1              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.1           | 0.3   | 100.0                                                            | 99.5                                                                                         | 84.1                        | 14,176    |        |
|             | Narsingdi                     | 1.0                                | 0.5                   | 0.5                           | 93.7                       | 3.7            | 0.1              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.3   | 100.0                                                            | 99.5                                                                                         | 84.6                        | 17,496    |        |
|             | Netrakona                     | 0.1                                | 0.4                   | 1.7                           | 88.0                       | 8.5            | 0.2              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.3                | 0.3           | 0.4   | 100.0                                                            | 99.0                                                                                         | 67.8                        | 27,348    |        |
|             | Rajbari                       | 0.3                                | 0.3                   | 0.1                           | 98.3                       | 0.7            | 0.1              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.0   | 100.0                                                            | 99.8                                                                                         | 90.3                        | 12,329    |        |
|             | Shariatpur                    | 0.0                                | 0.1                   | 0.2                           | 51.1                       | 47.7           | 0.1              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.4           | 0.2   | 100.0                                                            | 99.3                                                                                         | 88.5                        | 18,477    |        |
|             | Sherpur                       | 0.1                                | 0.1                   | 0.0                           | 96.7                       | 1.4            | 0.1              | 0.0                  | 0.0                | 0.0           | 0.3              | 0.0                | 0.0           | 1.1   | 100.0                                                            | 98.5                                                                                         | 94.7                        | 13,264    |        |
|             | Tangail                       | 0.1                                | 0.6                   | 0.0                           | 98.0                       | 0.3            | 0.8              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.1   | 100.0                                                            | 99.9                                                                                         | 96.1                        | 28,326    |        |
|             | Bagerhat                      | 0.8                                | 1.7                   | 1.0                           | 23.8                       | 33.9           | 0.0              | 0.1                  | 2.6                | 10.8          | 0.4              | 0.1                | 23.8          | 0.8   | 100.0                                                            | 74.8                                                                                         | 67.9                        | 23,182    |        |
|             | Chuadanga                     | 0.3                                | 1.8                   | 1.4                           | 94.7                       | 0.9            | 0.6              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.3   | 100.0                                                            | 99.7                                                                                         | 81.7                        | 10,864    |        |
|             | Jessore                       | 0.1                                | 0.3                   | 0.1                           | 82.8                       | 16.4           | 0.2              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.0   | 100.0                                                            | 99.9                                                                                         | 73.1                        | 19,794    |        |
|             | Jhenaidah                     | 1.3                                | 0.3                   | 0.4                           | 95.8                       | 1.9            | 0.1              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.1           | 0.1   | 100.0                                                            | 99.8                                                                                         | 87.1                        | 15,608    |        |
|             | Khulna                        | 0.2                                | 0.1                   | 1.0                           | 37.1                       | 47.7           | 0.1              | 0.0                  | 0.8                | 2.8           | 0.1              | 0.1                | 0.0           | 10.2  | 100.0                                                            | 89.7                                                                                         | 80.5                        | 31,007    |        |
|             | Kushtia                       | 0.2                                | 0.3                   | 0.7                           | 97.5                       | 0.5            | 0.3              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.5                                                                                         | 94.2                        | 15,386    |        |
|             | Magura                        | 0.0                                | 0.2                   | 0.1                           | 98.2                       | 1.3            | 0.0              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 0.0   | 100.0                                                            | 99.9                                                                                         | 82.6                        | 12,024    |        |
|             | Meherpur                      | 0.1                                | 0.6                   | 1.0                           | 96.9                       | 0.1            | 0.7              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.3   | 100.0                                                            | 99.5                                                                                         | 83.3                        | 8,451     |        |
|             | Narail                        | 0.0                                | 0.0                   | 0.2                           | 84.2                       | 14.8           | 0.2              | 0.0                  | 0.1                | 0.0           | 0.1              | 0.0                | 0.0           | 0.3   | 100.0                                                            | 99.5                                                                                         | 72.1                        | 9,755     |        |
|             | Satkhira                      | 0.7                                | 0.9                   | 2.1                           | 56.6                       | 20.1           | 0.0              | 0.0                  | 0.0                | 11.7          | 0.0              | 0.0                | 0.0           | 7.9   | 0.1                                                              | 100.0                                                                                        | 92.0                        | 66.7      | 18,255 |
|             | Rajshahi                      | Bogra                              | 0.5                   | 1.0                           | 0.4                        | 89.8           | 7.6              | 0.1                  | 0.1                | 0.0           | 0.0              | 0.1                | 0.0           | 0.1   | 0.2                                                              | 100.0                                                                                        | 99.6                        | 96.4      | 26,921 |
| Dinajpur    |                               | 0.3                                | 0.3                   | 0.1                           | 96.4                       | 2.0            | 0.3              | 0.0                  | 0.0                | 0.0           | 0.5              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.4                                                                                         | 99.4                        | 30,431    |        |
| Gaibandha   |                               | 0.1                                | 0.1                   | 0.6                           | 97.3                       | 0.5            | 0.5              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 0.9   | 100.0                                                            | 99.0                                                                                         | 89.7                        | 17,602    |        |
| Joypurhat   |                               | 0.2                                | 0.4                   | 0.3                           | 98.4                       | 0.1            | 0.2              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.4   | 100.0                                                            | 99.6                                                                                         | 99.6                        | 12,105    |        |
| Kurigram    |                               | 0.5                                | 0.3                   | 0.1                           | 91.2                       | 7.5            | 0.1              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.8                                                                                         | 96.2                        | 22,599    |        |
| Lalmonirhat |                               | 0.1                                | 0.3                   | 0.1                           | 98.8                       | 0.2            | 0.2              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 0.1   | 100.0                                                            | 99.7                                                                                         | 99.7                        | 14,065    |        |
| Naogaon     |                               | 0.1                                | 1.1                   | 0.3                           | 91.2                       | 2.3            | 2.2              | 0.1                  | 0.0                | 0.0           | 2.3              | 0.2                | 0.0           | 0.3   | 100.0                                                            | 97.2                                                                                         | 96.8                        | 24,815    |        |
| Natore      |                               | 0.3                                | 1.9                   | 0.1                           | 77.8                       | 19.1           | 0.2              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 0.5   | 100.0                                                            | 99.4                                                                                         | 98.8                        | 14,778    |        |
| Nawabganj   |                               | 1.7                                | 2.0                   | 1.2                           | 92.7                       | 1.4            | 0.9              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.0   | 100.0                                                            | 99.8                                                                                         | 89.2                        | 14,582    |        |
| Nilphamari  |                               | 0.1                                | 0.0                   | 0.0                           | 98.5                       | 0.6            | 0.3              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.6                                                                                         | 99.6                        | 16,578    |        |
| Pabna       |                               | 0.1                                | 0.4                   | 0.4                           | 97.3                       | 1.0            | 0.2              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 0.7   | 100.0                                                            | 99.3                                                                                         | 90.3                        | 22,163    |        |
| Panchagarh  |                               | 0.3                                | 0.4                   | 0.6                           | 95.6                       | 1.7            | 1.0              | 0.0                  | 0.0                | 0.0           | 0.2              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.6                                                                                         | 99.6                        | 13,888    |        |
| Rajshahi    |                               | 0.6                                | 2.5                   | 3.4                           | 90.9                       | 0.7            | 0.4              | 0.0                  | 0.1                | 0.0           | 0.6              | 0.0                | 0.5           | 0.3   | 100.0                                                            | 98.5                                                                                         | 94.6                        | 26,371    |        |
| Rangpur     |                               | 0.6                                | 0.2                   | 0.1                           | 97.6                       | 0.3            | 0.4              | 0.0                  | 0.0                | 0.0           | 0.4              | 0.0                | 0.0           | 0.4   | 100.0                                                            | 99.2                                                                                         | 98.2                        | 19,677    |        |
| Sirajganj   |                               | 0.2                                | 0.3                   | 0.1                           | 88.5                       | 10.4           | 0.2              | 0.0                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 0.2   | 100.0                                                            | 99.7                                                                                         | 93.4                        | 23,000    |        |
| Thakurgaon  |                               | 0.3                                | 0.9                   | 0.0                           | 96.7                       | 0.8            | 0.3              | 0.0                  | 0.0                | 0.0           | 0.0              | 0.0                | 0.0           | 1.0   | 100.0                                                            | 99.0                                                                                         | 99.0                        | 13,942    |        |
| Sylhet      |                               | Habiganj                           | 0.4                   | 0.7                           | 0.1                        | 83.2           | 12.5             | 0.7                  | 0.0                | 0.0           | 0.1              | 0.0                | 0.0           | 1.8   | 0.4                                                              | 100.0                                                                                        | 97.6                        | 78.8      | 25,228 |
|             |                               | Maulvibazar                        | 1.4                   | 0.3                           | 1.4                        | 80.5           | 5.3              | 5.5                  | 0.0                | 0.0           | 0.0              | 2.5                | 0.1           | 2.5   | 0.4                                                              | 100.0                                                                                        | 94.5                        | 75.0      | 22,211 |
|             | Sunamganj                     | 0.2                                | 0.0                   | 0.5                           | 65.0                       | 28.2           | 0.8              | 0.0                  | 0.0                | 0.0           | 0.9              | 0.0                | 3.5           | 0.7   | 100.0                                                            | 94.8                                                                                         | 49.4                        | 35,731    |        |
|             | Sylhet                        | 4.4                                | 1.2                   | 1.9                           | 60.3                       | 14.0           | 1.3              | 0.0                  | 0.1                | 0.4           | 0.2              | 0.1                | 15.7          | 0.3   | 100.0                                                            | 83.6                                                                                         | 70.6                        | 43,258    |        |
| National    | 4.8                           | 2.8                                | 2.1                   | 70.9                          | 16.1                       | 0.5            | 0.1              | 0.1                  | 0.4                | 0.0           | 0.4              | 0.1                | 1.4           | 0.3   | 100.0                                                            | 97.8                                                                                         | 85.5                        | 1,373,276 |        |

**Table 19:** Arsenic level in household drinking water

|           |            |              | Arsenic test value<br>(micogram/litre: µg/l) |                   |                    |                |               |               | Number of household water samples tested |
|-----------|------------|--------------|----------------------------------------------|-------------------|--------------------|----------------|---------------|---------------|------------------------------------------|
|           |            |              | <10<br>(µg/l)                                | 10 - 49<br>(µg/l) | 50 - 199<br>(µg/l) | 200+<br>(µg/l) | <50<br>(µg/l) | ≥50<br>(µg/l) |                                          |
| Residence | Rural      |              | 74.9                                         | 11.1              | 10.6               | 3.5            | 86            | 14            | 11,282                                   |
|           | Urban      |              | 85.7                                         | 8.0               | 4.8                | 1.4            | 93.8          | 6.2           | 2,141                                    |
| Division  | Barisal    |              | 94.5                                         | 4.1               | 0.9                | 0.6            | 98.5          | 1.5           | 1,170                                    |
|           | Chittagong |              | 68.0                                         | 7.3               | 13.9               | 10.7           | 75.4          | 24.6          | 2,615                                    |
|           | Dhaka      |              | 76.5                                         | 11.4              | 9.9                | 2.2            | 87.9          | 12.1          | 3,463                                    |
|           | Khulna     |              | 66.1                                         | 17.1              | 14.1               | 2.7            | 83.2          | 16.8          | 1,709                                    |
|           | Rajshahi   |              | 88.8                                         | 7.9               | 3.0                | 0.3            | 96.7          | 3.3           | 3,418                                    |
|           | Sylhet     |              | 53.9                                         | 20.6              | 24.2               | 1.3            | 74.5          | 25.5          | 1,048                                    |
| District  | Barisal    | Barguna      | 94.2                                         | 3.2               | 1.9                | 0.6            | 97.4          | 2.6           | 156                                      |
|           |            | Barisal      | 94.4                                         | 2.9               | 1.0                | 1.6            | 97.4          | 2.6           | 306                                      |
|           |            | Bhola        | 99.0                                         | 1.0               | 0.0                | 0.0            | 100           | 0.0           | 193                                      |
|           |            | Jhalokati    | 95.3                                         | 3.1               | 1.6                | 0.0            | 98.4          | 1.6           | 129                                      |
|           |            | Patuakhali   | 95.6                                         | 4.4               | 0.0                | 0.0            | 100           | 0.0           | 180                                      |
|           |            | Pirojpur     | 85.9                                         | 11.7              | 1.9                | 0.5            | 97.6          | 2.4           | 206                                      |
|           | Chittagong | Bandarban    | 99.0                                         | 1.0               | 0.0                | 0.0            | 100           | 0.0           | 202                                      |
|           |            | Brahmanbaria | 61.7                                         | 8.1               | 12.6               | 17.6           | 69.8          | 30.2          | 222                                      |
|           |            | Chandpur     | 52.7                                         | 3.6               | 17.7               | 25.9           | 56.4          | 43.6          | 220                                      |
|           |            | Chittagong   | 86.6                                         | 8.1               | 4.3                | 0.9            | 94.7          | 5.3           | 322                                      |
|           |            | Comilla      | 45.1                                         | 6.4               | 25                 | 23.5           | 51.5          | 48.5          | 408                                      |
|           |            | Cox's Bazar  | 98.1                                         | 1.2               | 0.6                | 0.0            | 99.4          | 0.6           | 161                                      |
|           |            | Feni         | 62.8                                         | 8.7               | 25.6               | 2.9            | 71.5          | 28.5          | 172                                      |
|           |            | Khagrachhari | 99.6                                         | 0.0               | 0.4                | 0.0            | 99.6          | 0.4           | 227                                      |
|           |            | Lakshmipur   | 61.3                                         | 16.0              | 16.0               | 6.7            | 77.3          | 22.7          | 150                                      |
|           |            | Noakhali     | 50.0                                         | 10.5              | 26.0               | 13.6           | 60.5          | 39.5          | 258                                      |
|           |            | Rangamati    | 97.1                                         | 2.2               | 0.7                | 0.0            | 99.3          | 0.7           | 273                                      |
|           |            |              |                                              |                   |                    |                |               |               |                                          |
|           | Dhaka      | Dhaka        | 90                                           | 4.8               | 4.8                | 0.4            | 94.8          | 5.2           | 270                                      |
|           |            | Faridpur     | 38.7                                         | 25.8              | 25                 | 10.5           | 64.5          | 35.5          | 256                                      |
|           |            | Gazipur      | 97.3                                         | 1.3               | 1.3                | 0.0            | 98.7          | 1.3           | 149                                      |
|           |            | Gopalganj    | 37.1                                         | 14.7              | 33.6               | 14.7           | 51.7          | 48.3          | 143                                      |
|           |            | Jamalpur     | 83.9                                         | 12.1              | 3.5                | 0.5            | 96.0          | 4.0           | 199                                      |
|           |            | Kishorganj   | 58.8                                         | 21.1              | 17.3               | 2.9            | 79.8          | 20.2          | 342                                      |
|           |            | Madaripur    | 52.4                                         | 15.9              | 19.8               | 11.9           | 68.3          | 31.7          | 126                                      |
|           |            | Manikganj    | 63.3                                         | 16.0              | 18.6               | 2.1            | 79.3          | 20.7          | 188                                      |
|           |            | Munshiganj   | 70.6                                         | 5.6               | 18.1               | 5.6            | 76.3          | 23.7          | 177                                      |
|           |            | Mymensingh   | 82.8                                         | 12.2              | 4.6                | 0.3            | 95.0          | 5.0           | 303                                      |
|           |            | Narayanganj  | 77.7                                         | 6.8               | 14.6               | 1.0            | 84.5          | 15.5          | 103                                      |
|           |            | Narsingdi    | 74.9                                         | 10.2              | 11.4               | 3.6            | 85.0          | 15.0          | 167                                      |
|           |            | Netrakona    | 44.3                                         | 24.2              | 27.8               | 3.7            | 68.5          | 31.5          | 273                                      |
|           |            | Rajbari      | 77.8                                         | 12.7              | 8.7                | 0.8            | 90.5          | 9.5           | 126                                      |

|          |             | Arsenic test value<br>(micogram/litre: µg/l) |                   |                    |                |               |               | Number of<br>household<br>water<br>samples<br>tested |
|----------|-------------|----------------------------------------------|-------------------|--------------------|----------------|---------------|---------------|------------------------------------------------------|
|          |             | <10<br>(µg/l)                                | 10 - 49<br>(µg/l) | 50 - 199<br>(µg/l) | 200+<br>(µg/l) | <50<br>(µg/l) | ≥50<br>(µg/l) |                                                      |
| Khulna   | Shariatpur  | 77.6                                         | 11.5              | 7.9                | 3.0            | 89.1          | 10.9          | 165                                                  |
|          | Sherpur     | 82.7                                         | 13.5              | 3.2                | 0.6            | 96.2          | 3.8           | 156                                                  |
|          | Tangail     | 80.6                                         | 15.6              | 3.4                | 0.3            | 96.2          | 3.7           | 320                                                  |
|          | Bagerhat    | 82.9                                         | 7.9               | 7.1                | 2.1            | 90.8          | 9.2           | 240                                                  |
|          | Chuadanga   | 57.5                                         | 24.4              | 16.5               | 1.6            | 81.9          | 18.1          | 127                                                  |
|          | Jessore     | 55.1                                         | 18.1              | 21.1               | 5.7            | 73.1          | 26.9          | 227                                                  |
|          | Jhenaidah   | 64.8                                         | 22.4              | 12.1               | 0.6            | 87.3          | 12.7          | 165                                                  |
|          | Khulna      | 79.9                                         | 9.9               | 8.5                | 1.8            | 89.8          | 10.2          | 284                                                  |
|          | Kushtia     | 78.9                                         | 15.6              | 5.4                | 0.0            | 94.6          | 5.4           | 147                                                  |
|          | Magura      | 62.2                                         | 20.5              | 16.5               | 0.8            | 82.7          | 17.3          | 127                                                  |
|          | Meherpur    | 53.1                                         | 30.6              | 12.2               | 4.1            | 83.7          | 16.3          | 98                                                   |
|          | Narail      | 57.1                                         | 15.2              | 22.9               | 4.8            | 72.4          | 27.6          | 105                                                  |
|          | Satkhira    | 54.0                                         | 18.5              | 22.2               | 5.3            | 72.5          | 27.5          | 189                                                  |
|          | Bogra       | 92.0                                         | 4.8               | 3.2                | 0.0            | 96.8          | 3.2           | 314                                                  |
|          | Dinajpur    | 98.5                                         | 1.5               | 0.0                | 0.0            | 100.0         | 0.0           | 342                                                  |
|          | Gaibandha   | 67.8                                         | 22.8              | 7.9                | 1.5            | 90.6          | 9.4           | 202                                                  |
|          | Joypurhat   | 96.8                                         | 3.2               | 0.0                | 0.0            | 100.0         | 0.0           | 154                                                  |
|          | Kurigram    | 80.9                                         | 15.5              | 3.2                | 0.4            | 96.4          | 3.6           | 251                                                  |
|          | Lalmonirhat | 96.0                                         | 4.0               | 0.0                | 0.0            | 100.0         | 0.0           | 150                                                  |
|          | Naogaon     | 93.6                                         | 6.0               | 0.4                | 0.0            | 99.6          | 0.4           | 283                                                  |
|          | Natore      | 99.4                                         | 0.0               | 0.6                | 0.0            | 99.4          | 0.6           | 161                                                  |
|          | Nawabganj   | 83.0                                         | 6.4               | 9.9                | 0.7            | 89.4          | 10.6          | 141                                                  |
|          | Nilphamari  | 93.8                                         | 6.3               | 0.0                | 0.0            | 100.0         | 0.0           | 176                                                  |
|          | Pabna       | 83.5                                         | 7.4               | 7.4                | 1.6            | 90.9          | 9.1           | 243                                                  |
|          | Panchagarh  | 98.5                                         | 1.5               | 0.0                | 0.0            | 100.0         | 0.0           | 133                                                  |
|          | Rajshahi    | 89.3                                         | 6.7               | 3.4                | 0.7            | 96.0          | 4.0           | 298                                                  |
|          | Rangpur     | 93.6                                         | 5.4               | 1.0                | 0.0            | 99.0          | 1.0           | 203                                                  |
|          | Sirajganj   | 74.7                                         | 19.0              | 6.3                | 0.0            | 93.7          | 6.3           | 221                                                  |
|          | Thakurgaon  | 98.6                                         | 1.4               | 0.0                | 0.0            | 100.0         | 0.0           | 146                                                  |
| Sylhet   | Habiganj    | 56.4                                         | 24.3              | 17.0               | 2.3            | 80.7          | 19.3          | 218                                                  |
|          | Maulvibazar | 59.3                                         | 20.1              | 20.1               | 0.5            | 79.4          | 20.6          | 189                                                  |
|          | Sunamganj   | 21.6                                         | 30.5              | 46.5               | 1.4            | 52.1          | 47.9          | 282                                                  |
|          | Sylhet      | 73.8                                         | 10.6              | 14.5               | 1.1            | 84.4          | 15.6          | 359                                                  |
| National |             | 76.9                                         | 10.5              | 9.5                | 3.1            | 87.4          | 12.6          | 13,423                                               |

**Table 20:** Awareness of drinking source water tested for arsenic contamination  
Proportion of households aware that drinking water source has been tested for arsenic contamination

|              |                  |              | Not tested | Water tested for asrsenic  |                               |                                 | DK    | Total  | Number of household members |
|--------------|------------------|--------------|------------|----------------------------|-------------------------------|---------------------------------|-------|--------|-----------------------------|
|              |                  |              |            | Tested, don't know results | Tested, arsenic level is safe | Tested, arsenic level is unsafe |       |        |                             |
| Area         | Rural            |              | 43.9       | 7.3                        | 37.6                          | 5.6                             | 5.5   | 100.0  | 1,151,653                   |
|              | Urban            |              | 45.2       | 6.3                        | 22.9                          | 1.7                             | 23.8  | 100.0  | 221,623                     |
| Division     | Municipality     |              | 43.9       | 7.3                        | 37.6                          | 5.6                             | 5.5   | 100.0  | 1,151,653                   |
|              | City corporation |              | 41.6       | 6.5                        | 11.9                          | 0.2                             | 39.8  | 100.0  | 38,745                      |
|              | Slum             |              | 35.6       | 3.0                        | 11.7                          | 0.3                             | 49.4  | 100.0  | 11,665                      |
|              | Barisal          |              | 28.5       | 9.2                        | 49.7                          | 0.9                             | 11.7  | 100.0  | 117,157                     |
|              | Chittagong       |              | 46.6       | 8.7                        | 27.3                          | 9.3                             | 8.2   | 100.0  | 301,054                     |
|              | Dhaka            |              | 38.8       | 5.4                        | 36.8                          | 5.0                             | 14.0  | 100.0  | 350,794                     |
|              | Khulna           |              | 23.1       | 6.7                        | 56.9                          | 8.0                             | 5.3   | 100.0  | 164,326                     |
|              | Rajshahi         |              | 64.1       | 7.2                        | 23.6                          | 1.3                             | 3.8   | 100.0  | 313,517                     |
|              | Sylhet           |              | 41.3       | 9.8                        | 34.5                          | 2.7                             | 11.7  | 100.0  | 126,428                     |
|              | Barisal          | Barguna      | 47.4       | 11.8                       | 17.6                          | 0.3                             | 23.0  | 100.0  | 13,915                      |
|              |                  | Barisal      | 17.1       | 9.6                        | 61.3                          | 2.4                             | 9.6   | 100.0  | 31,781                      |
|              |                  | Bhola        | 22.0       | 6.8                        | 64.0                          | 0.1                             | 7.2   | 100.0  | 20,737                      |
|              |                  | Jhalokati    | 22.2       | 8.9                        | 62.4                          | 0.2                             | 6.4   | 100.0  | 11,791                      |
|              |                  | Patuakhali   | 50.6       | 10.2                       | 25.1                          | 0.5                             | 13.7  | 100.0  | 20,381                      |
|              |                  | Pirojpur     | 22.4       | 8.9                        | 52.5                          | 0.9                             | 15.4  | 100.0  | 18,552                      |
|              | Chittagong       | Bandarban    | 70.1       | 5.0                        | 4.3                           | 0.1                             | 20.4  | 100.0  | 19,913                      |
|              |                  | Brahmanbaria | 30.8       | 7.4                        | 42.6                          | 12.4                            | 6.8   | 100.0  | 24,417                      |
|              |                  | Chandpur     | 30.4       | 10.5                       | 34.5                          | 18.2                            | 6.4   | 100.0  | 23,314                      |
|              |                  | Chittagong   | 65.3       | 8.0                        | 12.6                          | 0.7                             | 13.4  | 100.0  | 51,855                      |
|              |                  | Comilla      | 35.0       | 7.4                        | 30.8                          | 22.3                            | 4.5   | 100.0  | 46,067                      |
| Cox's Bazar  |                  | 78.5         | 4.4        | 6.6                        | 0.5                           | 10.0                            | 100.0 | 26,404 |                             |
| Feni         |                  | 39.9         | 15.4       | 29.7                       | 10.4                          | 4.6                             | 100.0 | 18,043 |                             |
| Khagrachhari |                  | 90.5         | 2.7        | 2.3                        | 0.1                           | 4.4                             | 100.0 | 21,896 |                             |
| Lakshmipur   |                  | 22.4         | 11.2       | 51.4                       | 9.0                           | 5.9                             | 100.0 | 15,536 |                             |
| Noakhali     |                  | 24.2         | 12.6       | 48.7                       | 9.0                           | 5.5                             | 100.0 | 26,725 |                             |
| Rangamati    |                  | 79.7         | 6.9        | 5.4                        | 0.0                           | 8.0                             | 100.0 | 26,884 |                             |
|              |                  |              |            |                            |                               |                                 |       |        |                             |
| Dhaka        | Dhaka            | 40.1         | 5.3        | 14.1                       | 1.0                           | 39.4                            | 100.0 | 32,980 |                             |
|              | Faridpur         | 28.4         | 4.6        | 41.6                       | 21.4                          | 4.0                             | 100.0 | 24,512 |                             |
|              | Gazipur          | 49.6         | 8.8        | 34.1                       | 0.2                           | 7.3                             | 100.0 | 13,223 |                             |
|              | Gopalganj        | 20.0         | 6.1        | 38.4                       | 30.2                          | 5.3                             | 100.0 | 15,529 |                             |
|              | Jamalpur         | 55.2         | 5.2        | 33.5                       | 0.6                           | 5.5                             | 100.0 | 17,957 |                             |
|              | Kishorganj       | 24.4         | 7.7        | 55.6                       | 5.4                           | 6.8                             | 100.0 | 36,096 |                             |
|              | Madaripur        | 25.4         | 3.7        | 47.1                       | 18.3                          | 5.5                             | 100.0 | 12,962 |                             |
|              | Manikganj        | 29.1         | 3.8        | 53.7                       | 9.7                           | 3.7                             | 100.0 | 18,484 |                             |
|              | Munshiganj       | 13.6         | 8.8        | 60.7                       | 13.9                          | 3.0                             | 100.0 | 17,167 |                             |

|          |             | Not tested  | Water tested for asrsenic  |                               |                                 | DK   | Total | Number of household members |        |        |
|----------|-------------|-------------|----------------------------|-------------------------------|---------------------------------|------|-------|-----------------------------|--------|--------|
|          |             |             | Tested, don't know results | Tested, arsenic level is safe | Tested, arsenic level is unsafe |      |       |                             |        |        |
|          | Mymensingh  | 45.7        | 4.5                        | 44.5                          | 0.7                             | 4.5  | 100.0 | 30,468                      |        |        |
|          | Narayanganj | 44.5        | 4.0                        | 28.5                          | 6.3                             | 16.8 | 100.0 | 14,176                      |        |        |
|          | Narsingdi   | 24.1        | 6.0                        | 60.2                          | 6.4                             | 3.4  | 100.0 | 17,496                      |        |        |
|          | Netrakona   | 41.5        | 6.4                        | 38.7                          | 5.9                             | 7.4  | 100.0 | 27,348                      |        |        |
|          | Rajbari     | 34.6        | 4.5                        | 54.4                          | 3.6                             | 3.0  | 100.0 | 12,329                      |        |        |
|          | Shariatpur  | 22.5        | 5.0                        | 63.9                          | 3.9                             | 4.6  | 100.0 | 18,477                      |        |        |
|          | Sherpur     | 28.6        | 7.7                        | 54.4                          | 4.3                             | 5.1  | 100.0 | 13,264                      |        |        |
|          | Tangail     | 61.9        | 2.5                        | 31.5                          | 1.7                             | 2.3  | 100.0 | 28,326                      |        |        |
|          | Khulna      | Bagerhat    | 35.7                       | 5.3                           | 46.2                            | 4.6  | 8.2   | 100.0                       | 23,182 |        |
|          |             | Chuadanga   | 23.4                       | 3.7                           | 53.8                            | 15.3 | 3.8   | 100.0                       | 10,864 |        |
|          |             | Jessore     | 15.4                       | 3.8                           | 64.8                            | 13.6 | 2.3   | 100.0                       | 19,794 |        |
|          |             | Jhenaidah   | 21.3                       | 4.2                           | 68.4                            | 4.7  | 1.3   | 100.0                       | 15,608 |        |
|          |             | Khulna      | 21.6                       | 8.8                           | 54.1                            | 3.2  | 12.3  | 100.0                       | 31,007 |        |
|          |             | Kushtia     | 23.8                       | 9.2                           | 60.1                            | 3.5  | 3.4   | 100.0                       | 15,386 |        |
|          |             | Magura      | 18.4                       | 3.9                           | 70.2                            | 4.4  | 3.1   | 100.0                       | 12,024 |        |
|          |             | Meherpur    | 22.9                       | 20.2                          | 45.2                            | 7.3  | 4.4   | 100.0                       | 8,451  |        |
|          |             | Narail      | 23.9                       | 7.4                           | 55.9                            | 11.1 | 1.8   | 100.0                       | 9,755  |        |
|          |             | Satkhira    | 28.3                       | 6.6                           | 44.7                            | 13.2 | 7.2   | 100.0                       | 18,255 |        |
|          | Rajshahi    | Bogra       | 70.2                       | 12.8                          | 13.7                            | 1.3  | 2.1   | 100.0                       | 26,921 |        |
|          |             | Dinajpur    | 78.5                       | 4.8                           | 13.6                            | 0.3  | 2.8   | 100.0                       | 30,431 |        |
|          |             | Gaibandha   | 54.5                       | 4.5                           | 35.5                            | 1.1  | 4.4   | 100.0                       | 17,602 |        |
|          |             | Joypurhat   | 78.1                       | 5.7                           | 13.5                            | 0.0  | 2.8   | 100.0                       | 12,105 |        |
|          |             | Kurigram    | 50.6                       | 11.3                          | 32.4                            | 3.0  | 2.6   | 100.0                       | 22,599 |        |
|          |             | Lalmonirhat | 93.0                       | 1.4                           | 1.8                             | 0.0  | 3.8   | 100.0                       | 14,065 |        |
|          |             | Naogaon     | 77.4                       | 2.8                           | 14.4                            | 0.2  | 5.2   | 100.0                       | 24,815 |        |
|          |             | Natore      | 51.2                       | 28.1                          | 17.6                            | 0.6  | 2.4   | 100.0                       | 14,778 |        |
|          |             | Nawabganj   | 25.2                       | 4.8                           | 57.2                            | 5.8  | 7.1   | 100.0                       | 14,582 |        |
|          |             | Nilphamari  | 91.5                       | 1.7                           | 3.6                             | 0.2  | 3.0   | 100.0                       | 16,578 |        |
|          |             | Pabna       | 45.2                       | 6.4                           | 36.1                            | 3.9  | 8.3   | 100.0                       | 22,163 |        |
|          |             | Panchagarh  | 92.7                       | 2.3                           | 0.9                             | 0.0  | 4.1   | 100.0                       | 13,888 |        |
|          |             | Rajshahi    | 24.9                       | 3.8                           | 62.2                            | 1.3  | 7.8   | 100.0                       | 26,371 |        |
|          |             | Rangpur     | 85.9                       | 2.1                           | 9.8                             | 0.2  | 2.0   | 100.0                       | 19,677 |        |
|          |             | Sirajganj   | 47.4                       | 14.4                          | 34.8                            | 2.0  | 1.5   | 100.0                       | 23,000 |        |
|          |             | Thakurgaon  | 92.4                       | 2.5                           | 2.6                             | 0.1  | 2.4   | 100.0                       | 13,942 |        |
|          |             | Sylhet      | Habiganj                   | 48.4                          | 16.5                            | 23.2 | 1.5   | 10.4                        | 100.0  | 25,228 |
|          |             |             | Maulvibazar                | 37.5                          | 7.6                             | 39.0 | 2.8   | 13.1                        | 100.0  | 22,211 |
|          |             |             | Sunamganj                  | 37.8                          | 8.4                             | 39.8 | 4.6   | 9.4                         | 100.0  | 35,731 |
|          |             |             | Sylhet                     | 41.9                          | 7.8                             | 35.0 | 1.9   | 13.5                        | 100.0  | 43,258 |
| National |             | 44.1        | 7.1                        | 34.7                          | 4.9                             | 9.2  | 100.0 | 1,373,276                   |        |        |

**Table 21:** Use of improved sanitary facility

Proportion of population using an improved sanitary facility

| Area     | Type of sanitation facility |                      |                                            |                                      |                                       |                                                 |                                               |                              |                   |                              |                         |                                | Number of households sharing toilet facility |      |      | Proportion of population using improved sanitation facility | Proportion of population using an hygiene facility | Number of household members |      |           |         |
|----------|-----------------------------|----------------------|--------------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|------------------------------|-------------------|------------------------------|-------------------------|--------------------------------|----------------------------------------------|------|------|-------------------------------------------------------------|----------------------------------------------------|-----------------------------|------|-----------|---------|
|          | Flush to piped sewer system | Flush to septic tank | Flush to unknown place/hot sure/don't know | Pit latrine with slab and water seal | Ventilated Improved Pit latrine (VIP) | Pit latrine with slab but no lid, no water seal | Pit latrine with slab and flap, no water seal | Pit latrine without open pit | Composting toilet | Bucket or Tub bucket latrine | Open or hanging latrine | No facilities or bush or field | Other                                        |      |      |                                                             |                                                    |                             |      |           |         |
|          |                             |                      |                                            |                                      |                                       |                                                 |                                               |                              |                   |                              |                         |                                |                                              |      |      |                                                             |                                                    |                             |      |           |         |
| Division | Rural                       | 0.0                  | 7.5                                        | 1.2                                  | 21.8                                  | 3.2                                             | 24.3                                          | 19.3                         | 2.5               | 7.1                          | 0.3                     | 4.7                            | 6.9                                          | 0.9  | 70.4 | 15.3                                                        | 14.3                                               | 54.3                        | 49.9 | 1,151,653 |         |
|          | Urban                       | 18.0                 | 26.7                                       | 7.6                                  | 16.4                                  | 2.2                                             | 12.9                                          | 9.1                          | 1.0               | 2.6                          | 0.1                     | 0.2                            | 1.5                                          | 1.3  | 0.4  | 61.0                                                        | 12.2                                               | 26.8                        | 53.5 | 58.0      | 221,623 |
|          | Municipality                | 0.0                  | 25.3                                       | 5.3                                  | 22.2                                  | 3.3                                             | 20.3                                          | 12.9                         | 1.6               | 4.3                          | 0.2                     | 0.3                            | 1.5                                          | 2.3  | 0.5  | 64.2                                                        | 14.6                                               | 21.2                        | 54.7 | 57.5      | 171,213 |
|          | City corporation            | 40.7                 | 28.6                                       | 10.4                                 | 9.4                                   | 0.9                                             | 3.7                                           | 3.9                          | 0.3               | 0.5                          | 0.1                     | 0.2                            | 1.2                                          | 0.0  | 0.2  | 58.9                                                        | 9.3                                                | 31.8                        | 53.5 | 60.2      | 38,745  |
|          | Slum                        | 14.7                 | 19.4                                       | 13.9                                 | 7.7                                   | 0.2                                             | 9.5                                           | 19.3                         | 1.0               | 2.8                          | 0.3                     | 0.3                            | 10.2                                         | 0.2  | 0.3  | 10.1                                                        | 6.3                                                | 83.6                        | 8.5  | 12.0      | 11,665  |
|          | Barisal                     | 0.0                  | 2.3                                        | 0.5                                  | 32.3                                  | 1.7                                             | 12.0                                          | 26.8                         | 2.2               | 9.9                          | 0.2                     | 0.4                            | 9.1                                          | 1.9  | 0.7  | 86.7                                                        | 7.9                                                | 5.4                         | 67.0 | 46.5      | 117,157 |
|          | Chittagong                  | 0.0                  | 17.9                                       | 2.8                                  | 12.8                                  | 3.6                                             | 36.0                                          | 10.3                         | 3.1               | 5.0                          | 0.2                     | 0.4                            | 4.0                                          | 3.0  | 0.8  | 72.4                                                        | 13.6                                               | 14.0                        | 59.1 | 61.8      | 301,054 |
|          | Dhaka                       | 10.9                 | 12.3                                       | 4.6                                  | 17.5                                  | 1.0                                             | 19.2                                          | 18.3                         | 1.9               | 4.8                          | 0.3                     | 0.2                            | 4.2                                          | 4.0  | 0.7  | 63.1                                                        | 13.8                                               | 23.1                        | 51.3 | 48.3      | 350,794 |
|          | Khulna                      | 0.0                  | 13.5                                       | 0.9                                  | 29.5                                  | 1.9                                             | 16.5                                          | 23.0                         | 2.6               | 7.8                          | 0.2                     | 0.2                            | 0.9                                          | 2.7  | 0.4  | 70.2                                                        | 15.3                                               | 14.5                        | 59.7 | 52.8      | 164,326 |
|          | Rajshahi                    | 0.0                  | 5.4                                        | 0.7                                  | 26.9                                  | 5.8                                             | 21.2                                          | 15.7                         | 1.9               | 6.1                          | 0.2                     | 0.2                            | 2.3                                          | 12.7 | 0.9  | 64.8                                                        | 18.7                                               | 16.5                        | 49.1 | 50.9      | 313,517 |
| Sylhet   | 0.0                         | 13.6                 | 1.6                                        | 10.8                                 | 4.0                                   | 17.4                                            | 19.2                                          | 2.5                          | 10.5              | 0.8                          | 1.2                     | 11.5                           | 5.5                                          | 1.5  | 74.4 | 13.8                                                        | 11.8                                               | 49.7                        | 42.6 | 126,428   |         |
| District | Barisal                     | 0.0                  | 4.9                                        | 0.7                                  | 25.9                                  | 0.9                                             | 11.3                                          | 42.7                         | 1.5               | 3.0                          | 0.1                     | 0.4                            | 7.2                                          | 0.4  | 1.3  | 91.9                                                        | 5.9                                                | 2.2                         | 78.9 | 42.2      | 13,915  |
|          | Barisal                     | 0.0                  | 2.2                                        | 0.2                                  | 43.3                                  | 2.9                                             | 11.5                                          | 27.1                         | 2.2               | 4.0                          | 0.2                     | 0.5                            | 4.4                                          | 1.0  | 0.7  | 87.2                                                        | 7.5                                                | 5.3                         | 76.5 | 57.0      | 1,781   |
|          | Bhola                       | 0.0                  | 1.4                                        | 0.4                                  | 15.8                                  | 1.1                                             | 11.0                                          | 9.4                          | 3.6               | 26.5                         | 0.3                     | 0.7                            | 23.8                                         | 5.4  | 0.6  | 77.6                                                        | 10.9                                               | 11.5                        | 32.7 | 27.5      | 20,737  |
|          | Jhalokati                   | 0.0                  | 1.8                                        | 1.8                                  | 42.1                                  | 1.3                                             | 30.3                                          | 14.6                         | 1.0               | 4.0                          | 0.0                     | 0.2                            | 2.2                                          | 0.5  | 0.4  | 93.6                                                        | 5.3                                                | 1.1                         | 84.2 | 74.5      | 11,791  |
|          | Patuakhali                  | 0.0                  | 3.3                                        | 0.6                                  | 23.3                                  | 0.8                                             | 11.1                                          | 45.3                         | 1.1               | 4.3                          | 0.1                     | 0.2                            | 8.6                                          | 0.8  | 0.5  | 87.9                                                        | 8.0                                                | 4.1                         | 74.0 | 36.6      | 20,381  |
|          | Pirojpur                    | 0.0                  | 1.1                                        | 0.3                                  | 48.0                                  | 1.8                                             | 6.5                                           | 24.0                         | 2.4               | 12.0                         | 0.3                     | 0.1                            | 1.2                                          | 1.4  | 0.8  | 90.3                                                        | 6.6                                                | 3.1                         | 74.4 | 56.2      | 18,552  |
|          | Bandarban                   | 0.0                  | 8.5                                        | 0.8                                  | 7.0                                   | 1.2                                             | 17.8                                          | 9.2                          | 1.9               | 5.7                          | 0.6                     | 1.0                            | 8.2                                          | 35.6 | 2.6  | 74.9                                                        | 10.2                                               | 14.9                        | 33.2 | 30.6      | 19,913  |
|          | Brahmanbaria                | 0.0                  | 12.1                                       | 1.3                                  | 13.9                                  | 5.7                                             | 35.7                                          | 7.7                          | 3.4               | 9.5                          | 0.1                     | 0.3                            | 6.7                                          | 0.9  | 2.6  | 64.7                                                        | 15.7                                               | 19.6                        | 50.4 | 55.5      | 24,417  |
|          | Chandpur                    | 0.0                  | 26.5                                       | 2.4                                  | 14.4                                  | 6.4                                             | 27.8                                          | 11.0                         | 1.8               | 5.8                          | 0.1                     | 0.2                            | 2.3                                          | 0.9  | 0.5  | 69.0                                                        | 15.1                                               | 15.9                        | 60.1 | 66.7      | 23,314  |
|          | Chittagong                  | 0.0                  | 32.1                                       | 4.9                                  | 11.6                                  | 2.1                                             | 29.8                                          | 7.5                          | 3.0               | 2.4                          | 0.3                     | 0.8                            | 3.2                                          | 1.5  | 0.7  | 70.7                                                        | 12.1                                               | 17.2                        | 60.5 | 64.7      | 51,855  |
| Dhaka    | Comilla                     | 0.0                  | 15.3                                       | 3.6                                  | 16.6                                  | 2.9                                             | 42.2                                          | 8.7                          | 4.5               | 2.7                          | 0.3                     | 0.1                            | 0.9                                          | 1.8  | 0.4  | 72.6                                                        | 13.7                                               | 13.7                        | 63.0 | 67.5      | 46,067  |
|          | Cox's Bazar                 | 0.0                  | 7.5                                        | 1.1                                  | 9.2                                   | 2.2                                             | 44.3                                          | 7.7                          | 2.8               | 6.4                          | 0.6                     | 1.0                            | 8.9                                          | 7.9  | 0.3  | 80.7                                                        | 11.2                                               | 8.1                         | 58.0 | 59.5      | 26,404  |
|          | Feni                        | 0.0                  | 17.8                                       | 2.8                                  | 10.6                                  | 10.6                                            | 48.0                                          | 3.0                          | 2.8               | 1.5                          | 0.1                     | 0.0                            | 1.3                                          | 1.1  | 0.3  | 72.2                                                        | 18.3                                               | 9.5                         | 64.3 | 79.1      | 18,043  |
|          | Khagrachhari                | 0.0                  | 4.1                                        | 0.2                                  | 9.2                                   | 0.5                                             | 8.1                                           | 29.3                         | 1.5               | 31.7                         | 0.2                     | 0.3                            | 3.8                                          | 10.6 | 0.6  | 84.4                                                        | 8.6                                                | 7.0                         | 42.7 | 19.6      | 1,896   |
|          | Lakshmipur                  | 0.0                  | 9.9                                        | 1.5                                  | 12.4                                  | 1.9                                             | 42.5                                          | 15.2                         | 3.2               | 3.7                          | 0.2                     | 0.1                            | 5.5                                          | 3.2  | 1.0  | 79.4                                                        | 11.0                                               | 9.6                         | 64.7 | 60.8      | 15,536  |
|          | Noakhali                    | 0.0                  | 3.5                                        | 0.7                                  | 13.0                                  | 5.0                                             | 43.5                                          | 17.0                         | 1.7               | 3.9                          | 0.0                     | 0.1                            | 7.5                                          | 3.8  | 0.2  | 72.3                                                        | 17.0                                               | 10.7                        | 58.5 | 58.0      | 26,725  |
|          | Rangamati                   | 0.0                  | 2.2                                        | 0.4                                  | 7.9                                   | 1.0                                             | 24.7                                          | 21.4                         | 5.0               | 22.6                         | 1.4                     | 0.7                            | 3.6                                          | 8.2  | 1.0  | 84.3                                                        | 9.1                                                | 6.6                         | 48.6 | 34.9      | 26,884  |
|          | Dhaka                       | 44.4                 | 19.0                                       | 11.1                                 | 6.6                                   | 0.4                                             | 6.3                                           | 8.7                          | 0.2               | 0.9                          | 0.0                     | 0.1                            | 1.9                                          | 0.3  | 0.1  | 53.2                                                        | 9.7                                                | 37.1                        | 47.5 | 51.1      | 32,980  |
|          | Faridpur                    | 0.0                  | 10.8                                       | 1.9                                  | 31.0                                  | 0.8                                             | 37.0                                          | 9.2                          | 9.2               | 2.4                          | 2.6                     | 0.1                            | 3.3                                          | 0.9  | 0.1  | 83.2                                                        | 9.6                                                | 7.2                         | 74.0 | 74.2      | 24,512  |
|          | Gazipur                     | 0.0                  | 49.0                                       | 5.6                                  | 12.7                                  | 1.1                                             | 12.2                                          | 11.4                         | 1.4               | 4.9                          | 0.2                     | 0.1                            | 0.1                                          | 1.0  | 0.4  | 63.0                                                        | 12.7                                               | 24.3                        | 54.1 | 55.5      | 13,223  |
| District | Gopalganj                   | 0.0                  | 5.8                                        | 3.1                                  | 43.2                                  | 0.9                                             | 28.3                                          | 10.0                         | 1.3               | 2.9                          | 0.0                     | 0.3                            | 2.8                                          | 1.2  | 0.4  | 83.1                                                        | 10.9                                               | 6.0                         | 73.4 | 73.5      | 15,529  |
|          | Jamalpur                    | 0.0                  | 4.9                                        | 0.6                                  | 28.2                                  | 0.5                                             | 6.9                                           | 37.8                         | 1.3               | 4.5                          | 0.2                     | 0.5                            | 6.2                                          | 5.6  | 2.8  | 65.6                                                        | 15.2                                               | 19.2                        | 52.0 | 34.1      | 17,957  |
|          | Kishorganj                  | 0.0                  | 2.9                                        | 2.0                                  | 10.3                                  | 0.3                                             | 3.5                                           | 46.0                         | 2.4               | 12.8                         | 0.4                     | 0.1                            | 12.3                                         | 6.5  | 0.5  | 59.6                                                        | 18.3                                               | 22.1                        | 41.8 | 13.8      | 36,096  |
|          | Madaripur                   | 0.0                  | 1.3                                        | 0.4                                  | 17.4                                  | 2.2                                             | 59.4                                          | 12.0                         | 1.6               | 1.9                          | 0.1                     | 0.1                            | 2.7                                          | 0.7  | 0.3  | 86.9                                                        | 8.1                                                | 5.0                         | 81.3 | 76.5      | 12,962  |
|          | Manikganj                   | 0.0                  | 4.0                                        | 0.5                                  | 25.7                                  | 1.0                                             | 45.7                                          | 6.6                          | 1.2               | 1.6                          | 0.3                     | 0.4                            | 10.3                                         | 1.9  | 0.9  | 81.5                                                        | 10.0                                               | 8.5                         | 67.2 | 69.5      | 18,484  |
|          | Munshiganj                  | 0.0                  | 25.3                                       | 7.0                                  | 10.0                                  | 1.0                                             | 28.6                                          | 16.7                         | 1.4               | 2.8                          | 0.0                     | 0.1                            | 4.5                                          | 0.5  | 1.9  | 52.1                                                        | 17.1                                               | 30.8                        | 42.8 | 45.8      | 17,167  |



|          | Type of sanitation facility |                      |                                            |                                      |                                       |                             |                                                      |                                         |                                     |                   |                              |                         | Proportion of population using an improved sanitation facility | Proportion of population using an hygiene facility | Number of households sharing toilet facility | Number of household members |                                |       |      |           |        |
|----------|-----------------------------|----------------------|--------------------------------------------|--------------------------------------|---------------------------------------|-----------------------------|------------------------------------------------------|-----------------------------------------|-------------------------------------|-------------------|------------------------------|-------------------------|----------------------------------------------------------------|----------------------------------------------------|----------------------------------------------|-----------------------------|--------------------------------|-------|------|-----------|--------|
|          | Flush to piped sewer system | Flush to septic tank | Flush to unknown place/not sure/don't know | Pit latrine with slab and water seal | Ventilated Improved Pit latrine (VIP) | Pit latrine with slab & lid | Pit latrine with slab but with no lid, no water seal | Pit latrine with slab and no water seal | Pit latrine without slab / open pit | Composting toilet | Bucket or Tub bucket latrine | Open or hanging latrine |                                                                |                                                    |                                              |                             | No facilities or bush or field | Other |      |           |        |
|          |                             |                      |                                            |                                      |                                       |                             |                                                      |                                         |                                     |                   |                              |                         |                                                                |                                                    |                                              |                             |                                |       |      |           |        |
| Khulna   | Mymensingh                  | 0.0                  | 5.8                                        | 4.5                                  | 24.1                                  | 1.0                         | 25.1                                                 | 13.3                                    | 3.8                                 | 6.3               | 1.0                          | 0.3                     | 2.7                                                            | 11.3                                               | 0.7                                          | 63.6                        | 19.1                           | 17.3  | 44.7 | 48.6      | 30,468 |
|          | Narayanganj                 | 0.0                  | 8.3                                        | 2.4                                  | 14.1                                  | 1.3                         | 28.7                                                 | 33.5                                    | 0.7                                 | 4.8               | 0.0                          | 0.1                     | 3.0                                                            | 1.8                                                | 1.3                                          | 45.7                        | 17.5                           | 36.8  | 40.0 | 35.1      | 14,176 |
|          | Narsingdi                   | 0.0                  | 16.9                                       | 4.4                                  | 11.7                                  | 0.8                         | 14.3                                                 | 29.2                                    | 3.4                                 | 7.1               | 0.1                          | 0.1                     | 3.8                                                            | 7.1                                                | 1.0                                          | 66.6                        | 12.3                           | 21.1  | 49.2 | 36.6      | 17,496 |
|          | Netrakona                   | 0.0                  | 3.9                                        | 1.5                                  | 11.5                                  | 0.2                         | 11.2                                                 | 32.1                                    | 4.9                                 | 12.7              | 0.6                          | 0.2                     | 7.5                                                            | 12.5                                               | 1.2                                          | 68.3                        | 15.3                           | 16.4  | 42.7 | 24.4      | 27,348 |
|          | Rajbari                     | 0.0                  | 4.3                                        | 0.9                                  | 44.1                                  | 2.4                         | 35.6                                                 | 3.7                                     | 0.5                                 | 1.4               | 0.3                          | 0.3                     | 4.8                                                            | 0.8                                                | 0.7                                          | 74.6                        | 14.5                           | 10.9  | 68.0 | 77.8      | 12,329 |
|          | Shariatpur                  | 0.0                  | 3.0                                        | 1.1                                  | 34.5                                  | 1.5                         | 30.2                                                 | 15.8                                    | 2.5                                 | 3.5               | 1.5                          | 0.3                     | 4.4                                                            | 1.2                                                | 0.4                                          | 75.5                        | 15.3                           | 9.2   | 65.8 | 65.5      | 18,477 |
|          | Sherpur                     | 0.0                  | 1.5                                        | 1.0                                  | 16.0                                  | 1.6                         | 37.8                                                 | 17.3                                    | 3.8                                 | 8.3               | 0.1                          | 0.3                     | 4.4                                                            | 6.2                                                | 1.7                                          | 57.3                        | 18.5                           | 24.2  | 44.3 | 45.8      | 13,264 |
|          | Tangail                     | 0.0                  | 11.7                                       | 1.0                                  | 24.3                                  | 3.2                         | 21.4                                                 | 17.9                                    | 2.1                                 | 6.2               | 0.6                          | 0.4                     | 4.8                                                            | 5.5                                                | 0.8                                          | 67.5                        | 16.2                           | 16.3  | 53.2 | 52.1      | 28,326 |
|          | Bagerhat                    | 0.0                  | 4.8                                        | 0.4                                  | 32.2                                  | 0.8                         | 31.7                                                 | 17.6                                    | 5.2                                 | 3.7               | 0.2                          | 0.2                     | 2.3                                                            | 0.8                                                | 0.2                                          | 86.9                        | 9.4                            | 3.7   | 75.2 | 67.5      | 23,182 |
|          | Chuadanga                   | 0.0                  | 6.1                                        | 0.3                                  | 12.2                                  | 0.2                         | 12.3                                                 | 33.5                                    | 2.9                                 | 23.8              | 0.2                          | 0.5                     | 0.3                                                            | 7.6                                                | 0.2                                          | 68.9                        | 17.1                           | 14.0  | 43.7 | 26.2      | 10,864 |
| Rajshahi | Jessore                     | 0.0                  | 19.9                                       | 1.2                                  | 26.8                                  | 4.3                         | 13.8                                                 | 19.8                                    | 3.6                                 | 6.1               | 0.4                          | 0.2                     | 0.3                                                            | 3.4                                                | 0.2                                          | 64.2                        | 18.9                           | 16.9  | 55.1 | 54.7      | 19,794 |
|          | Jhenaidah                   | 0.0                  | 15.8                                       | 0.7                                  | 28.8                                  | 0.5                         | 12.4                                                 | 32.2                                    | 0.9                                 | 4.3               | 0.1                          | 0.0                     | 0.0                                                            | 3.4                                                | 1.0                                          | 71.5                        | 15.0                           | 13.5  | 64.1 | 50.9      | 15,608 |
|          | Khulna                      | 0.0                  | 22.3                                       | 1.3                                  | 38.0                                  | 1.4                         | 16.0                                                 | 14.5                                    | 1.7                                 | 2.4               | 0.1                          | 0.2                     | 1.1                                                            | 1.0                                                | 0.2                                          | 63.3                        | 13.5                           | 23.2  | 58.6 | 60.0      | 31,007 |
|          | Kushia                      | 0.0                  | 13.4                                       | 1.1                                  | 24.2                                  | 3.1                         | 22.4                                                 | 16.9                                    | 3.9                                 | 8.6               | 0.6                          | 0.2                     | 2.2                                                            | 2.8                                                | 0.6                                          | 65.9                        | 16.6                           | 17.5  | 53.9 | 52.7      | 15,386 |
|          | Magura                      | 0.0                  | 9.6                                        | 0.9                                  | 31.1                                  | 3.5                         | 8.2                                                  | 38.0                                    | 0.4                                 | 6.4               | 0.3                          | 0.1                     | 0.3                                                            | 1.1                                                | 0.0                                          | 76.3                        | 13.7                           | 10.0  | 68.6 | 47.6      | 12,024 |
|          | Meherpur                    | 0.0                  | 5.9                                        | 0.3                                  | 23.9                                  | 0.2                         | 9.2                                                  | 33.2                                    | 2.2                                 | 18.8              | 0.0                          | 0.1                     | 0.3                                                            | 5.2                                                | 0.7                                          | 69.3                        | 16.4                           | 14.3  | 49.9 | 33.2      | 8,451  |
|          | Narail                      | 0.0                  | 12.9                                       | 1.3                                  | 11.9                                  | 0.9                         | 32.5                                                 | 30.1                                    | 3.2                                 | 4.3               | 0.1                          | 0.3                     | 1.0                                                            | 0.8                                                | 0.6                                          | 77.7                        | 13.3                           | 9.0   | 68.8 | 52.0      | 9,755  |
|          | Satkhira                    | 0.0                  | 7.4                                        | 0.4                                  | 43.6                                  | 1.7                         | 8.8                                                  | 21.8                                    | 1.5                                 | 11.3              | 0.3                          | 0.1                     | 0.4                                                            | 2.5                                                | 0.3                                          | 72.3                        | 17.2                           | 10.5  | 61.7 | 55.9      | 8,255  |
|          | Bogra                       | 0.0                  | 3.7                                        | 0.2                                  | 26.5                                  | 13.8                        | 32.4                                                 | 6.9                                     | 1.9                                 | 6.4               | 0.3                          | 0.0                     | 1.1                                                            | 6.5                                                | 0.3                                          | 57.6                        | 25.6                           | 16.8  | 48.5 | 65.1      | 26,921 |
|          | Dinajpur                    | 0.0                  | 6.8                                        | 0.5                                  | 37.9                                  | 2.5                         | 5.4                                                  | 2.2                                     | 3.2                                 | 14.9              | 0.2                          | 0.1                     | 0.4                                                            | 25.6                                               | 0.3                                          | 72.7                        | 15.5                           | 11.8  | 40.7 | 47.5      | 30,431 |
| Sylhet   | Gaibandha                   | 0.0                  | 1.3                                        | 0.3                                  | 17.2                                  | 2.0                         | 34.5                                                 | 7.9                                     | 1.9                                 | 6.2               | 0.1                          | 0.2                     | 2.4                                                            | 24.6                                               | 1.4                                          | 62.3                        | 17.3                           | 20.4  | 39.3 | 45.5      | 17,602 |
|          | Joypurhat                   | 0.0                  | 1.9                                        | 0.0                                  | 28.6                                  | 11.6                        | 19.5                                                 | 8.4                                     | 3.4                                 | 4.0               | 0.0                          | 0.0                     | 1.9                                                            | 19.7                                               | 0.9                                          | 62.4                        | 17.8                           | 19.8  | 44.2 | 50.4      | 12,105 |
|          | Kurigram                    | 0.0                  | 1.0                                        | 0.1                                  | 27.8                                  | 7.9                         | 21.7                                                 | 24.6                                    | 1.6                                 | 5.1               | 0.2                          | 0.2                     | 1.9                                                            | 7.3                                                | 0.7                                          | 68.6                        | 21.0                           | 10.4  | 56.7 | 52.3      | 22,599 |
|          | Lalmonirhat                 | 0.0                  | 1.8                                        | 0.1                                  | 47.3                                  | 1.7                         | 18.9                                                 | 16.9                                    | 1.9                                 | 3.0               | 0.1                          | 0.0                     | 0.1                                                            | 7.5                                                | 0.6                                          | 77.1                        | 11.3                           | 11.6  | 67.8 | 61.6      | 14,065 |
|          | Naogaon                     | 0.0                  | 5.9                                        | 0.8                                  | 31.9                                  | 2.1                         | 12.8                                                 | 10.6                                    | 1.4                                 | 4.4               | 0.1                          | 0.9                     | 3.5                                                            | 24.6                                               | 0.9                                          | 62.5                        | 16.0                           | 21.5  | 40.0 | 41.6      | 24,815 |
|          | Natore                      | 0.0                  | 3.5                                        | 0.6                                  | 21.8                                  | 28.6                        | 6.3                                                  | 32.3                                    | 0.3                                 | 1.2               | 0.2                          | 0.0                     | 1.4                                                            | 2.0                                                | 1.9                                          | 51.0                        | 35.5                           | 13.5  | 47.2 | 53.8      | 14,778 |
|          | Nawabganj                   | 0.0                  | 14.6                                       | 0.9                                  | 9.9                                   | 1.7                         | 9.6                                                  | 23.7                                    | 4.2                                 | 24.9              | 0.2                          | 0.0                     | 0.3                                                            | 9.8                                                | 0.2                                          | 53.1                        | 20.8                           | 26.1  | 31.8 | 28.3      | 14,582 |
|          | Nilphamari                  | 0.0                  | 6.3                                        | 0.5                                  | 10.1                                  | 0.4                         | 18.6                                                 | 41.6                                    | 1.8                                 | 1.2               | 0.1                          | 0.0                     | 0.2                                                            | 19.2                                               | 0.1                                          | 72.0                        | 13.2                           | 14.8  | 55.9 | 30.2      | 16,578 |
|          | Pabna                       | 0.0                  | 7.9                                        | 2.6                                  | 22.2                                  | 2.6                         | 41.2                                                 | 8.0                                     | 3.2                                 | 2.4               | 0.3                          | 0.7                     | 6.4                                                            | 0.9                                                | 1.5                                          | 70.3                        | 12.9                           | 16.8  | 58.8 | 62.4      | 22,163 |
|          | Panchagath                  | 0.0                  | 2.4                                        | 0.4                                  | 36.7                                  | 2.8                         | 29.3                                                 | 12.2                                    | 0.7                                 | 1.6               | 0.0                          | 0.0                     | 0.3                                                            | 12.6                                               | 0.9                                          | 74.5                        | 13.9                           | 11.6  | 62.3 | 63.8      | 13,888 |
| National | Rajshahi                    | 0.0                  | 17.9                                       | 2.7                                  | 20.4                                  | 0.4                         | 10.4                                                 | 26.2                                    | 1.3                                 | 11.9              | 0.3                          | 0.1                     | 1.4                                                            | 6.0                                                | 0.9                                          | 63.4                        | 15.6                           | 21.0  | 47.6 | 40.1      | 26,371 |
|          | Rangpur                     | 0.0                  | 4.9                                        | 0.2                                  | 36.7                                  | 0.6                         | 7.9                                                  | 27.5                                    | 0.7                                 | 2.8               | 0.1                          | 0.6                     | 0.3                                                            | 17.0                                               | 0.8                                          | 60.9                        | 18.8                           | 20.3  | 47.5 | 41.7      | 19,677 |
|          | Siraganj                    | 0.0                  | 2.5                                        | 0.6                                  | 17.2                                  | 12.2                        | 45.6                                                 | 4.7                                     | 1.6                                 | 2.5               | 0.5                          | 0.3                     | 8.8                                                            | 2.5                                                | 1.0                                          | 63.1                        | 22.4                           | 14.5  | 51.9 | 68.2      | 23,000 |
|          | Thakurgaon                  | 0.0                  | 0.4                                        | 0.2                                  | 53.7                                  | 1.5                         | 8.8                                                  | 13.7                                    | 1.5                                 | 0.3               | 0.1                          | 0.0                     | 0.1                                                            | 18.4                                               | 1.2                                          | 81.9                        | 9.2                            | 8.9   | 64.3 | 59.0      | 13,942 |
|          | Habiganj                    | 0.0                  | 4.9                                        | 0.8                                  | 14.9                                  | 10.6                        | 26.2                                                 | 11.4                                    | 2.0                                 | 7.5               | 0.9                          | 1.1                     | 12.6                                                           | 5.3                                                | 1.7                                          | 68.4                        | 21.7                           | 9.9   | 46.0 | 53.4      | 25,228 |
|          | Maulvibazar                 | 0.0                  | 13.3                                       | 2.1                                  | 9.2                                   | 2.9                         | 22.5                                                 | 20.3                                    | 2.8                                 | 10.0              | 2.0                          | 0.9                     | 4.1                                                            | 8.2                                                | 1.7                                          | 78.1                        | 11.2                           | 10.7  | 55.9 | 45.4      | 22,211 |
|          | Sunamganj                   | 0.0                  | 6.9                                        | 0.8                                  | 7.9                                   | 1.4                         | 17.4                                                 | 14.1                                    | 3.1                                 | 15.4              | 0.5                          | 2.4                     | 23.1                                                           | 5.3                                                | 1.7                                          | 72.6                        | 12.0                           | 15.4  | 36.8 | 30.3      | 35,731 |
| Sylhet   | 0.0                         | 24.7                 | 2.3                                        | 11.3                                 | 2.4                                   | 8.6                         | 27.6                                                 | 2.3                                     | 9.0                                 | 0.2               | 0.4                          | 6.1                     | 4.1                                                            | 1.0                                                | 77.6                                         | 11.8                        | 10.6                           | 58.6  | 43.6 | 43,258    |        |
|          | 3.6                         | 11.3                 | 2.4                                        | 20.7                                 | 3.0                                   | 22.0                        | 17.3                                                 | 2.2                                     | 6.2                                 | 0.3               | 0.3                          | 4.1                     | 5.7                                                            | 0.8                                                | 68.4                                         | 14.6                        | 17.0                           | 54.1  | 51.5 | 1,373,276 |        |

**Table 22: Birth registration**

Proportion of children under the age of five whose birth has been registered

|                                |                            |              | Birth is registered | Birth is not registered | Don't know if birth is registered | Number of children aged 0-59 months |       |
|--------------------------------|----------------------------|--------------|---------------------|-------------------------|-----------------------------------|-------------------------------------|-------|
| Sex                            | Boys                       |              | 53.4                | 42.2                    | 4.4                               | 72,065                              |       |
|                                | Girls                      |              | 53.7                | 42.0                    | 4.2                               | 67,517                              |       |
| Area                           | Rural                      |              | 53.8                | 41.5                    | 4.7                               | 118,364                             |       |
|                                | Urban                      |              | 52.6                | 44.7                    | 2.8                               | 21,224                              |       |
|                                | Municipality               |              | 57.2                | 39.8                    | 2.9                               | 16,393                              |       |
|                                | City corporation           |              | 47.6                | 49.9                    | 2.5                               | 3,592                               |       |
|                                | Slum                       |              | 28.6                | 69.1                    | 2.3                               | 1,239                               |       |
|                                |                            |              |                     |                         |                                   |                                     |       |
| Mother's/Caretaker's education | None                       |              | 47.6                | 46.7                    | 5.7                               | 45,382                              |       |
|                                | Primary incomplete         |              | 53.2                | 42.2                    | 4.6                               | 23,430                              |       |
|                                | Primary completed          |              | 54.5                | 41.4                    | 4.1                               | 19,987                              |       |
|                                | Secondary incomplete       |              | 56.2                | 40.4                    | 3.4                               | 35,693                              |       |
|                                | Secondary completed        |              | 61.9                | 35.2                    | 2.8                               | 9,512                               |       |
|                                | Higher Secondary completed |              | 62.4                | 35.1                    | 2.5                               | 3,160                               |       |
|                                | Degree and above           |              | 62.1                | 35.3                    | 2.5                               | 2,092                               |       |
| Division                       | Barisal                    |              | 46.8                | 48.7                    | 4.5                               | 11,202                              |       |
|                                | Chittagong                 |              | 57.5                | 38.4                    | 4.1                               | 30,946                              |       |
|                                | Dhaka                      |              | 47.8                | 48.2                    | 4.0                               | 36,583                              |       |
|                                | Khulna                     |              | 62.3                | 35.4                    | 2.3                               | 15,356                              |       |
|                                | Rajshahi                   |              | 55.5                | 38.8                    | 5.7                               | 31,387                              |       |
|                                | Sylhet                     |              | 55.9                | 39.7                    | 4.4                               | 14,114                              |       |
|                                | Barisal                    | Barguna      | 52.6                | 40.3                    | 7.1                               | 1,276                               |       |
|                                |                            | Barisal      | 53.2                | 43.4                    | 3.4                               | 2,941                               |       |
|                                |                            | Bhola        | 26.5                | 68.7                    | 4.7                               | 2,149                               |       |
|                                |                            | Jhalokati    | 67.3                | 30.0                    | 2.7                               | 1,088                               |       |
|                                |                            | Patuakhali   | 48.9                | 46.9                    | 4.2                               | 1,990                               |       |
|                                |                            | Pirojpur     | 52.4                | 42.0                    | 5.6                               | 1,758                               |       |
|                                | Chittagong                 | Bandarban    | 54.0                | 37.9                    | 8.2                               | 2,199                               |       |
|                                |                            | Brahmanbaria | 32.0                | 61.6                    | 6.5                               | 2,619                               |       |
|                                |                            | Chandpur     | 58.3                | 39.7                    | 2.0                               | 2,273                               |       |
|                                |                            | Chittagong   | 57.5                | 39.1                    | 3.4                               | 5,108                               |       |
|                                |                            | Comilla      | 56.4                | 39.8                    | 3.8                               | 4,854                               |       |
|                                |                            | Cox's Bazar  | 52.2                | 41.9                    | 5.9                               | 2,671                               |       |
|                                |                            | Feni         | 74.1                | 23.6                    | 2.3                               | 1,758                               |       |
|                                |                            | Khagrachhari | 70.2                | 28.5                    | 1.3                               | 2,533                               |       |
|                                |                            | Lakshmipur   | 66.4                | 29.8                    | 3.8                               | 1,613                               |       |
|                                |                            | Noakhali     | 67.6                | 26.1                    | 6.3                               | 2,576                               |       |
|                                |                            | Rangamati    | 71.0                | 26.7                    | 2.3                               | 2,742                               |       |
|                                |                            | Dhaka        | Dhaka               | 39.8                    | 57.6                              | 2.6                                 | 3,315 |
|                                |                            |              | Faridpur            | 57.2                    | 40.8                              | 2.0                                 | 2,437 |
|                                |                            |              | Gazipur             | 61.9                    | 35.3                              | 2.8                                 | 1,256 |
|                                | Gopalganj                  |              | 58.7                | 36.3                    | 5.0                               | 1,575                               |       |
|                                | Jamalpur                   |              | 50.4                | 47.2                    | 2.4                               | 1,944                               |       |



|                 |             | Birth is registered | Birth is not registered | Don't know if birth is registered | Number of children aged 0-59 months |
|-----------------|-------------|---------------------|-------------------------|-----------------------------------|-------------------------------------|
|                 | Kishorganj  | 56.0                | 37.4                    | 6.6                               | 4,233                               |
|                 | Madaripur   | 40.8                | 53.0                    | 6.1                               | 1,318                               |
|                 | Manikganj   | 37.7                | 56.3                    | 5.9                               | 1,676                               |
|                 | Munshiganj  | 54.1                | 40.2                    | 5.7                               | 1,737                               |
|                 | Mymensingh  | 52.0                | 43.8                    | 4.2                               | 3,262                               |
|                 | Narayanganj | 45.2                | 49.0                    | 5.7                               | 1,448                               |
|                 | Narsingdi   | 58.0                | 40.0                    | 2.0                               | 1,910                               |
|                 | Netrakona   | 46.8                | 48.7                    | 4.5                               | 3,026                               |
|                 | Rajbari     | 51.2                | 45.1                    | 3.7                               | 1,235                               |
|                 | Shariatpur  | 49.7                | 44.7                    | 5.6                               | 1,868                               |
|                 | Sherpur     | 48.1                | 48.7                    | 3.1                               | 1,574                               |
|                 | Tangail     | 36.8                | 57.9                    | 5.3                               | 2,769                               |
| Khulna          | Bagerhat    | 65.8                | 32.2                    | 1.9                               | 2,057                               |
|                 | Chuadanga   | 52.9                | 43.6                    | 3.5                               | 980                                 |
|                 | Jessore     | 63.2                | 35.2                    | 1.6                               | 1,927                               |
|                 | Jhenaidah   | 67.7                | 31.0                    | 1.3                               | 1,563                               |
|                 | Khulna      | 66.3                | 30.7                    | 3.0                               | 2,682                               |
|                 | Kushtia     | 40.5                | 57.1                    | 2.3                               | 1,524                               |
|                 | Magura      | 64.5                | 31.1                    | 4.4                               | 1,245                               |
|                 | Meherpur    | 58.5                | 39.5                    | 2.1                               | 761                                 |
|                 | Narail      | 74.7                | 23.9                    | 1.3                               | 1,035                               |
|                 | Satkhira    | 71.0                | 26.5                    | 2.6                               | 1,582                               |
| Rajshahi        | Bogra       | 43.0                | 52.9                    | 4.2                               | 2,545                               |
|                 | Dinajpur    | 60.7                | 34.1                    | 5.2                               | 2,987                               |
|                 | Gaibandha   | 48.2                | 42.1                    | 9.7                               | 1,908                               |
|                 | Joypurhat   | 48.8                | 42.5                    | 8.7                               | 1,055                               |
|                 | Kurigram    | 55.5                | 38.6                    | 6.0                               | 2,323                               |
|                 | Lalmonirhat | 62.7                | 27.3                    | 10.0                              | 1,613                               |
|                 | Naogaon     | 56.1                | 39.7                    | 4.2                               | 2,353                               |
|                 | Natore      | 58.0                | 36.2                    | 5.8                               | 1,322                               |
|                 | Nawabganj   | 50.6                | 44.8                    | 4.6                               | 1,503                               |
|                 | Nilphamari  | 59.9                | 34.7                    | 5.4                               | 1,891                               |
| Sylhet          | Pabna       | 49.6                | 41.6                    | 8.8                               | 2,168                               |
|                 | Panchagarh  | 59.3                | 35.8                    | 5.0                               | 1,487                               |
|                 | Rajshahi    | 65.6                | 31.4                    | 3.0                               | 2,368                               |
|                 | Rangpur     | 49.9                | 45.7                    | 4.4                               | 2,069                               |
|                 | Sirajganj   | 63.3                | 31.9                    | 4.8                               | 2,291                               |
|                 | Thakurgaon  | 65.1                | 30.4                    | 4.5                               | 1,504                               |
|                 | Habiganj    | 46.8                | 47.1                    | 6.0                               | 2,800                               |
|                 | Maulvibazar | 58.2                | 39.4                    | 2.4                               | 2,281                               |
|                 | Sunamganj   | 45.4                | 49.0                    | 5.6                               | 4,243                               |
|                 | Sylhet      | 69.6                | 27.0                    | 3.4                               | 4,790                               |
| <b>National</b> |             | <b>53.6</b>         | <b>42.1</b>             | <b>4.3</b>                        | <b>139,588</b>                      |

**Table 23: Child labour**

Proportion of children aged 6-14 years not attending school and engaging in work

|                          |                  |              | Boys |         | Girls |         | Total |         |
|--------------------------|------------------|--------------|------|---------|-------|---------|-------|---------|
|                          |                  |              | %    | Number  | %     | Number  | %     | Number  |
| Area                     | Rural            |              | 2.9  | 143,795 | 1.5   | 138,377 | 2.2   | 282,172 |
|                          | Urban            |              | 3.2  | 24,509  | 2.7   | 24,147  | 3.0   | 48,656  |
|                          | Municipality     |              | 3.5  | 19,298  | 1.9   | 18,785  | 2.7   | 38,083  |
|                          | City corporation |              | 2.8  | 3,797   | 3.6   | 3,974   | 3.2   | 7,771   |
|                          | Slum             |              | 6.5  | 1,414   | 6.5   | 1,388   | 6.5   | 2,802   |
| Child age group in years | 6 - 9            |              | 0.9  | 80,507  | 0.8   | 75,133  | 0.9   | 155,640 |
|                          | 10 - 14          |              | 4.8  | 87,797  | 2.5   | 87,391  | 3.6   | 175,188 |
|                          |                  |              |      |         |       |         |       |         |
| Division                 | Barisal          |              | 3.0  | 14,337  | 1.0   | 13,865  | 2.1   | 28,202  |
|                          | Chittagong       |              | 3.5  | 40,565  | 2.5   | 39,691  | 3.0   | 80,256  |
|                          | Dhaka            |              | 2.7  | 42,522  | 1.7   | 41,156  | 2.2   | 83,678  |
|                          | Khulna           |              | 3.0  | 17,950  | 0.9   | 17,538  | 2.0   | 35,488  |
|                          | Rajshahi         |              | 2.9  | 35,918  | 1.6   | 33,242  | 2.3   | 69,160  |
|                          | Sylhet           |              | 2.3  | 17,012  | 1.2   | 17,032  | 1.8   | 34,044  |
|                          | Barisal          | Barguna      | 2.0  | 1,498   | 0.6   | 1,465   | 1.3   | 2,963   |
|                          |                  | Barisal      | 3.9  | 3,886   | 1.2   | 3,807   | 2.6   | 7,693   |
|                          |                  | Bhola        | 2.0  | 2,849   | 0.8   | 2,687   | 1.4   | 5,536   |
|                          |                  | Jhalokati    | 2.5  | 1,426   | 1.5   | 1,426   | 2.0   | 2,852   |
|                          |                  | Patuakhali   | 3.2  | 2,488   | 1.1   | 2,342   | 2.2   | 4,830   |
|                          |                  | Pirojpur     | 4.0  | 2,190   | 0.9   | 2,138   | 2.5   | 4,328   |
|                          | Chittagong       | Bandarban    | 2.9  | 2,754   | 1.7   | 2,477   | 2.4   | 5,231   |
|                          |                  | Brahmanbaria | 2.7  | 3,604   | 1.6   | 3,554   | 2.2   | 7,158   |
|                          |                  | Chandpur     | 5.0  | 2,936   | 2.9   | 3,016   | 3.9   | 5,952   |
|                          |                  | Chittagong   | 2.9  | 6,372   | 3.3   | 6,469   | 3.1   | 12,841  |
|                          |                  | Comilla      | 3.9  | 6,241   | 2.0   | 6,039   | 3.0   | 12,280  |
|                          |                  | Cox's Bazar  | 4.9  | 4,092   | 2.4   | 4,015   | 3.7   | 8,107   |
|                          |                  | Feni         | 3.0  | 2,334   | 3.1   | 2,257   | 3.0   | 4,591   |
|                          |                  | Khagrachhari | 2.8  | 2,905   | 1.5   | 2,738   | 2.2   | 5,643   |
|                          |                  | Lakshmipur   | 3.5  | 2,181   | 2.3   | 2,162   | 2.9   | 4,343   |
|                          |                  | Noakhali     | 3.4  | 3,781   | 2.3   | 3,779   | 2.9   | 7,560   |
|                          |                  | Rangamati    | 2.2  | 3,365   | 1.8   | 3,185   | 2.0   | 6,550   |
|                          |                  |              |      |         |       |         |       |         |
|                          | Dhaka            | Dhaka        | 3.2  | 3,390   | 3.2   | 3,564   | 3.2   | 6,954   |
|                          |                  | Faridpur     | 2.7  | 3,030   | 0.7   | 3,024   | 1.7   | 6,054   |
|                          |                  | Gazipur      | 2.3  | 1,409   | 2.9   | 1,339   | 2.6   | 2,748   |
|                          |                  | Gopalganj    | 2.8  | 2,007   | 1.7   | 1,991   | 2.3   | 3,998   |
|                          |                  | Jamalpur     | 2.5  | 2,246   | 0.8   | 1,946   | 1.7   | 4,192   |
|                          |                  | Kishorganj   | 2.6  | 4,829   | 1.5   | 4,671   | 2.1   | 9,500   |
|                          |                  | Madaripur    | 1.7  | 1,634   | 0.7   | 1,756   | 1.2   | 3,390   |
|                          |                  | Manikganj    | 2.2  | 1,949   | 0.9   | 1,895   | 1.5   | 3,844   |
|                          |                  | Munshiganj   | 2.1  | 1,866   | 1.4   | 1,944   | 1.7   | 3,810   |
|                          |                  | Mymensingh   | 2.9  | 4,042   | 1.3   | 3,753   | 2.1   | 7,795   |

|          |             | Boys        |         | Girls |         | Total |         |        |
|----------|-------------|-------------|---------|-------|---------|-------|---------|--------|
|          |             | %           | Number  | %     | Number  | %     | Number  |        |
|          | Narayanganj | 4.4         | 1,604   | 2.2   | 1,608   | 3.3   | 3,212   |        |
|          | Narsingdi   | 3.3         | 2,165   | 0.7   | 2,172   | 2.0   | 4,337   |        |
|          | Netrakona   | 3.1         | 3,604   | 1.1   | 3,500   | 2.1   | 7,104   |        |
|          | Rajbari     | 2.2         | 1,492   | 0.3   | 1,271   | 1.3   | 2,763   |        |
|          | Shariatpur  | 2.7         | 2,448   | 1.4   | 2,376   | 2.1   | 4,824   |        |
|          | Sherpur     | 2.1         | 1,648   | 1.2   | 1,493   | 1.7   | 3,141   |        |
|          | Tangail     | 1.1         | 3,159   | 0.7   | 2,853   | 0.9   | 6,012   |        |
|          | Khulna      | Bagerhat    | 3.4     | 2,530 | 1.3     | 2,591 | 2.3     | 5,121  |
|          |             | Chuadanga   | 2.6     | 1,135 | 0.4     | 1,177 | 1.5     | 2,312  |
|          |             | Jessore     | 3.9     | 2,085 | 1.1     | 2,051 | 2.5     | 4,136  |
|          |             | Jhenaidah   | 2.4     | 1,785 | 0.4     | 1,638 | 1.4     | 3,423  |
|          |             | Khulna      | 2.8     | 3,316 | 1.1     | 3,264 | 2.0     | 6,580  |
|          |             | Kushtia     | 2.0     | 1,640 | 0.7     | 1,620 | 1.3     | 3,260  |
|          |             | Magura      | 2.6     | 1,390 | 0.4     | 1,393 | 1.5     | 2,783  |
|          |             | Meherpur    | 1.9     | 881   | 0.1     | 815   | 1.0     | 1,696  |
|          |             | Narail      | 3.9     | 1,180 | 2.4     | 1,046 | 3.2     | 2,226  |
|          |             | Satkhira    | 3.4     | 2,008 | 1.0     | 1,943 | 2.2     | 3,951  |
|          | Rajshahi    | Bogra       | 3.1     | 2,926 | 1.6     | 2,552 | 2.4     | 5,478  |
|          |             | Dinajpur    | 1.6     | 3,407 | 0.8     | 3,214 | 1.2     | 6,621  |
|          |             | Gaibandha   | 1.3     | 2,043 | 0.8     | 1,981 | 1.1     | 4,024  |
|          |             | Joypurhat   | 1.3     | 1,197 | 0.4     | 1,124 | 0.8     | 2,321  |
|          |             | Kurigram    | 3.9     | 2,795 | 1.9     | 2,534 | 3.0     | 5,329  |
|          |             | Lalmonirhat | 1.4     | 1,744 | 0.6     | 1,568 | 1.0     | 3,312  |
|          |             | Naogaon     | 2.7     | 2,561 | 0.9     | 2,269 | 1.8     | 4,830  |
|          |             | Natore      | 8.4     | 1,545 | 6.0     | 1,508 | 7.2     | 3,053  |
|          |             | Nawabganj   | 4.9     | 1,686 | 2.8     | 1,652 | 3.9     | 3,338  |
|          |             | Nilphamari  | 3.6     | 2,115 | 1.2     | 1,949 | 2.4     | 4,064  |
|          | Sylhet      | Pabna       | 1.1     | 2,480 | 0.6     | 2,434 | 0.8     | 4,914  |
|          |             | Panchagarh  | 1.6     | 1,603 | 1.1     | 1,581 | 1.4     | 3,184  |
|          |             | Rajshahi    | 1.9     | 2,919 | 0.3     | 2,653 | 1.1     | 5,572  |
|          |             | Rangpur     | 2.4     | 2,292 | 1.2     | 2,108 | 1.8     | 4,400  |
|          |             | Sirajganj   | 5.0     | 2,860 | 4.3     | 2,648 | 4.6     | 5,508  |
|          |             | Thakurgaon  | 2.0     | 1,745 | 0.7     | 1,467 | 1.4     | 3,212  |
|          |             | Habiganj    | 3.1     | 3,340 | 2.1     | 3,360 | 2.6     | 6,700  |
|          |             | Maulvibazar | 2.2     | 2,795 | 0.7     | 3,026 | 1.4     | 5,821  |
|          |             | Sunamganj   | 1.9     | 4,894 | 1.3     | 4,931 | 1.6     | 9,825  |
|          |             | Sylhet      | 2.2     | 5,983 | 1.0     | 5,715 | 1.6     | 11,698 |
| National |             | 2.9         | 168,304 | 1.7   | 162,524 | 2.3   | 330,828 |        |

## ANNEX B: SAMPLE DESIGN

### SAMPLE SELECTION

The sample for the Bangladesh Multiple Indicator Cluster Survey (MICS) 2009 was designed to provide estimates on indicators on the situation of children and women in both urban and rural areas and at the national, district and upazila levels.

The two-stage stratified cluster sampling methodology was applied in MICS 2009. The sample frame for the MICS 2009 was drawn from the 2008 Agriculture Census.

For the purposes of MICS 2009, Bangladesh was divided into four strata:

1. Rural: 481 upazilas;
2. City Corporation: city corporations of Dhaka, Chittagong, Barisal, Sylhet, Khulna, and Rajshahi, excluding slums;
3. Municipality: all municipalities (pourashavas) in 64 districts, excluding City Corporations and slums;
4. Slum: slums in Dhaka, Chittagong, Khulna and Rajshahi.

Taken together, there were 552 survey domains (481 for rural, 6 for city corporation, 64 for municipality and 1 for slum) spread across the four strata in total.

In each domain, the sample was selected in two stages. First, census enumeration areas (EAs) were selected with probability proportional to size. Second, a segment (cluster) of 20 households was selected randomly within each EA. This sample selection was not self-weighting, but sample weights were used for the reporting of national and district level results.

### DETERMINATION OF SAMPLE SIZE

Four aspects were considered before determining the sample size for the MICS 2009: available resources, the availability of skilled personnel, the acceptable margin of error and, finally, the sampling technique to be adopted.

The estimates from MICS 2009 are required not only at the national level but also at sub-national levels, especially at upazila level.

The following formula was used to determine the sample size:

$$n = \frac{[3.84(r)(1-r)(f)(1.1)]}{[(0.12r)^2 (p)(nh)]}$$

|         |   |                                                                                                                                         |
|---------|---|-----------------------------------------------------------------------------------------------------------------------------------------|
| $n$     | = | required sample size, expressed as number of households                                                                                 |
| 3.84    | = | factor to achieve the 95 per cent level of confidence                                                                                   |
| $r$     | = | predicted or anticipated prevalence (coverage rate) of the indicator                                                                    |
| 1.1     | = | factor necessary to raise the sample size by 10 per cent for non-response                                                               |
| $f$     | = | shortened symbol for deff (design effect)                                                                                               |
| $0.12r$ | = | margin of error to be tolerated at the 95 per cent level of confidence, defined as 12 per cent of $r$ (relative sampling error of $r$ ) |
| $p$     | = | proportion of the total population upon which the indicator, $r$ , is based                                                             |
| $nh$    | = | average household size..                                                                                                                |

Having made this calculation to determine the sample sizes that would be needed if the MICS 2009 was to generate important indicator, and based on past MICS experiences, at least 500 sample households would be required in each upazila domain. The sampling technical committee decided, therefore, to take 26 clusters per upazila and 20 households per cluster. In addition, at least 30 clusters were selected per domain in the three other strata: City Corporation, Municipality and Slum, and 20 households per cluster.

The total number of sample households reached by the MICS 2009 is shown in the table below

| Strata           | Number of Domains | Number of Clusters | Number of Households |
|------------------|-------------------|--------------------|----------------------|
| Rural            | 481               | 12,506             | 250,120              |
| City Corporation | 6                 | 440                | 8,800                |
| Municipality     | 64                | 1,920              | 38,400               |
| Slum             | 1                 | 134                | 2,680                |
| <b>Total</b>     | <b>552</b>        | <b>15,000</b>      | <b>300,000</b>       |

## CALCULATION OF SAMPLE WEIGHTS

The samples of the MICS 2009 were not self weighted. Different sampling fractions were used in each domain because the population/household size of the stratum or domain, or the division, district or upazila is varied. For this reason, sample weights were used in the analysis of the survey data.

The weight is the reciprocal of the sampling fraction used in selecting the number of sample households in that particular sample domain. So, following formula was used for weights:

$$W_h = 1/f_h$$

The  $f_h$  is the sampling fraction at the  $h^{\text{th}}$  domain, where

$$f_h = P_{1h} * P_{2h}$$

and  $P_{ih}$  is the probability of selection of the sampling unit in the  $i^{\text{th}}$  stage for the  $h^{\text{th}}$  domain.

## ANNEX C: SAMPLING ERRORS

**Table SE.001:** Sampling errors: National

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.502                 | 0.003                              | 0.006                                          | 8.373                               | 2.894                                                    | 253153            | 254700              | 0.496                   | 0.508                  |
| Skilled attendant at delivery                                                         | 0.244                 | 0.003                              | 0.012                                          | 2.297                               | 1.516                                                    | 45309             | 45973               | 0.238                   | 0.250                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.229                 | 0.003                              | 0.012                                          | 2.526                               | 1.589                                                    | 61428             | 61592               | 0.224                   | 0.235                  |
| Primary net intake rate                                                               | 0.668                 | 0.003                              | 0.005                                          | 2.084                               | 1.444                                                    | 41085             | 42665               | 0.661                   | 0.674                  |
| Net attendance rate in primary education                                              | 0.813                 | 0.002                              | 0.002                                          | 4.212                               | 2.052                                                    | 190141            | 197210              | 0.809                   | 0.817                  |
| Net attendance rate in secondary education                                            | 0.492                 | 0.002                              | 0.005                                          | 4.001                               | 2.000                                                    | 192344            | 196555              | 0.488                   | 0.497                  |
| Literacy rate of women aged 15-24 years                                               | 0.720                 | 0.002                              | 0.003                                          | 3.324                               | 1.823                                                    | 112910            | 111625              | 0.715                   | 0.724                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.146                 | 0.002                              | 0.015                                          | 4.591                               | 2.143                                                    | 112910            | 111625              | 0.142                   | 0.151                  |
| Use of an improved drinking water source                                              | 0.979                 | 0.001                              | 0.001                                          | 6.123                               | 2.474                                                    | 1354813           | 299841              | 0.977                   | 0.980                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.515                 | 0.003                              | 0.006                                          | 45.933                              | 6.777                                                    | 1354813           | 1373270             | 0.509                   | 0.521                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.507                 | 0.002                              | 0.005                                          | 6.040                               | 2.458                                                    | 1179528           | 267864              | 0.503                   | 0.512                  |
| Birth registration                                                                    | 0.536                 | 0.003                              | 0.005                                          | 4.680                               | 2.163                                                    | 139650            | 139588              | 0.530                   | 0.541                  |

**Table SE.002: Sampling errors: Rural**

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.502                 | 0.003                              | 0.006                                          | 7.369                               | 2.715                                                    | 200773            | 211459              | 0.496                   | 0.508                  |
| Skilled attendant at delivery                                                         | 0.192                 | 0.003                              | 0.014                                          | 1.707                               | 1.307                                                    | 36410             | 38556               | 0.187                   | 0.198                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.223                 | 0.003                              | 0.012                                          | 2.155                               | 1.468                                                    | 50323             | 52509               | 0.218                   | 0.228                  |
| Primary net intake rate                                                               | 0.652                 | 0.003                              | 0.005                                          | 1.922                               | 1.386                                                    | 34436             | 36925               | 0.645                   | 0.659                  |
| Net attendance rate in primary education                                              | 0.808                 | 0.002                              | 0.002                                          | 3.796                               | 1.948                                                    | 157989            | 169365              | 0.804                   | 0.811                  |
| Net attendance rate in secondary education                                            | 0.482                 | 0.002                              | 0.005                                          | 3.187                               | 1.785                                                    | 154826            | 164741              | 0.478                   | 0.486                  |
| Literacy rate of women aged 15-24 years                                               | 0.703                 | 0.002                              | 0.003                                          | 2.425                               | 1.557                                                    | 85869             | 90739               | 0.698                   | 0.707                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.135                 | 0.002                              | 0.015                                          | 3.390                               | 1.841                                                    | 85869             | 90739               | 0.131                   | 0.139                  |
| Use of an improved drinking water source                                              | 0.975                 | 0.001                              | 0.001                                          | 6.412                               | 2.532                                                    | 1086758           | 250008              | 0.973                   | 0.976                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.499                 | 0.003                              | 0.005                                          | 30.209                              | 5.496                                                    | 1086758           | 1151647             | 0.494                   | 0.504                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.521                 | 0.002                              | 0.005                                          | 5.742                               | 2.396                                                    | 1025496           | 229770              | 0.516                   | 0.526                  |
| Birth registration                                                                    | 0.538                 | 0.003                              | 0.006                                          | 4.244                               | 2.060                                                    | 113581            | 118364              | 0.532                   | 0.544                  |

**Table SE.003:** Sampling errors: Urban

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                       |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.504                 | 0.008                              | 0.016                                          | 11.065                              | 3.326                                                 | 52380             | 43241               | 0.488                   | 0.520                  |
| Skilled attendant at delivery                                                         | 0.453                 | 0.011                              | 0.024                                          | 3.434                               | 1.853                                                 | 8899              | 7417                | 0.432                   | 0.474                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.257                 | 0.009                              | 0.034                                          | 3.559                               | 1.887                                                 | 11105             | 9083                | 0.240                   | 0.275                  |
| Primary net intake rate                                                               | 0.750                 | 0.010                              | 0.013                                          | 2.965                               | 1.722                                                 | 6650              | 5740                | 0.731                   | 0.770                  |
| Net attendance rate in primary education                                              | 0.839                 | 0.005                              | 0.006                                          | 6.123                               | 2.474                                                 | 32152             | 27845               | 0.828                   | 0.850                  |
| Net attendance rate in secondary education                                            | 0.534                 | 0.007                              | 0.013                                          | 6.557                               | 2.561                                                 | 37517             | 31814               | 0.519                   | 0.548                  |
| Literacy rate of women aged 15-24 years                                               | 0.773                 | 0.007                              | 0.009                                          | 5.729                               | 2.394                                                 | 27041             | 20886               | 0.759                   | 0.787                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.181                 | 0.007                              | 0.037                                          | 6.413                               | 2.532                                                 | 27041             | 20886               | 0.167                   | 0.194                  |
| Use of an improved drinking water source                                              | 0.995                 | 0.001                              | 0.001                                          | 4.657                               | 2.158                                                 | 268054            | 49833               | 0.994                   | 0.996                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.580                 | 0.010                              | 0.018                                          | 94.531                              | 9.723                                                 | 268054            | 221623              | 0.559                   | 0.600                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.416                 | 0.007                              | 0.018                                          | 8.382                               | 2.895                                                 | 154032            | 38094               | 0.401                   | 0.431                  |
| Birth registration                                                                    | 0.526                 | 0.008                              | 0.016                                          | 5.960                               | 2.441                                                 | 26069             | 21224               | 0.509                   | 0.543                  |



**Table SE.004:** Sampling errors: Urban Municipality

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.486                 | 0.008                              | 0.017                                          | 9.169                               | 3.028                                                    | 28633             | 33279               | 0.470                   | 0.503                  |
| Skilled attendant at delivery                                                         | 0.382                 | 0.010                              | 0.027                                          | 2.557                               | 1.599                                                    | 4890              | 5668                | 0.361                   | 0.403                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.250                 | 0.008                              | 0.032                                          | 2.414                               | 1.554                                                    | 6198              | 7069                | 0.234                   | 0.266                  |
| Primary net intake rate                                                               | 0.736                 | 0.011                              | 0.015                                          | 2.881                               | 1.697                                                    | 3876              | 4573                | 0.714                   | 0.758                  |
| Net attendance rate in primary education                                              | 0.842                 | 0.005                              | 0.006                                          | 4.598                               | 2.144                                                    | 18519             | 21866               | 0.832                   | 0.853                  |
| Net attendance rate in secondary education                                            | 0.543                 | 0.007                              | 0.013                                          | 4.949                               | 2.225                                                    | 20647             | 24572               | 0.529                   | 0.557                  |
| Literacy rate of women aged 15-24 years                                               | 0.777                 | 0.007                              | 0.009                                          | 3.977                               | 1.994                                                    | 13679             | 15453               | 0.764                   | 0.790                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.162                 | 0.006                              | 0.038                                          | 4.372                               | 2.091                                                    | 13679             | 15453               | 0.150                   | 0.175                  |
| Use of an improved drinking water source                                              | 0.992                 | 0.001                              | 0.001                                          | 6.514                               | 2.552                                                    | 146912            | 38360               | 0.989                   | 0.994                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.575                 | 0.008                              | 0.014                                          | 48.598                              | 6.971                                                    | 146912            | 171213              | 0.558                   | 0.591                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.436                 | 0.008                              | 0.019                                          | 8.987                               | 2.998                                                    | 122419            | 32674               | 0.419                   | 0.452                  |
| Birth registration                                                                    | 0.572                 | 0.009                              | 0.015                                          | 4.951                               | 2.225                                                    | 14391             | 16393               | 0.555                   | 0.590                  |

**Table SE.005:** Sampling errors: City corporation

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.530                 | 0.015                              | 0.028                                          | 6.831                               | 2.614                                                    | 22906             | 7554                | 0.500                   | 0.560                  |
| Skilled attendant at delivery                                                         | 0.556                 | 0.021                              | 0.038                                          | 2.380                               | 1.543                                                    | 3849              | 1296                | 0.513                   | 0.598                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.273                 | 0.017                              | 0.064                                          | 2.278                               | 1.509                                                    | 4714              | 1494                | 0.238                   | 0.307                  |
| Primary net intake rate                                                               | 0.781                 | 0.018                              | 0.024                                          | 1.689                               | 1.300                                                    | 2661              | 849                 | 0.744                   | 0.818                  |
| Net attendance rate in primary education                                              | 0.843                 | 0.011                              | 0.013                                          | 4.020                               | 2.005                                                    | 13026             | 4307                | 0.821                   | 0.865                  |
| Net attendance rate in secondary education                                            | 0.535                 | 0.014                              | 0.026                                          | 4.215                               | 2.053                                                    | 16251             | 5468                | 0.508                   | 0.563                  |
| Literacy rate of women aged 15-24 years                                               | 0.778                 | 0.013                              | 0.016                                          | 3.820                               | 1.954                                                    | 12898             | 4117                | 0.752                   | 0.803                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.204                 | 0.013                              | 0.062                                          | 3.990                               | 1.997                                                    | 12898             | 4117                | 0.179                   | 0.229                  |
| Use of an improved drinking water source                                              | 0.999                 | 0.000                              | 0.000                                          | 2.229                               | 1.493                                                    | 116995            | 8796                | 0.998                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.602                 | 0.021                              | 0.035                                          | 69.956                              | 8.364                                                    | 116995            | 38745               | 0.561                   | 0.644                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.341                 | 0.016                              | 0.048                                          | 4.891                               | 2.212                                                    | 30375             | 4175                | 0.308                   | 0.373                  |
| Birth registration                                                                    | 0.476                 | 0.016                              | 0.033                                          | 3.598                               | 1.897                                                    | 11222             | 3592                | 0.444                   | 0.507                  |

**Table SE.006: Sampling errors: Slum**

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.385                 | 0.028                              | 0.072                                          | 7.788                               | 2.791                                                    | 842               | 2408                | 0.330                   | 0.440                  |
| Skilled attendant at delivery                                                         | 0.151                 | 0.020                              | 0.132                                          | 1.414                               | 1.189                                                    | 160               | 453                 | 0.111                   | 0.191                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.130                 | 0.015                              | 0.117                                          | 1.056                               | 1.028                                                    | 194               | 520                 | 0.100                   | 0.160                  |
| Primary net intake rate                                                               | 0.514                 | 0.037                              | 0.072                                          | 1.754                               | 1.324                                                    | 112               | 318                 | 0.440                   | 0.588                  |
| Net attendance rate in primary education                                              | 0.651                 | 0.024                              | 0.037                                          | 4.209                               | 2.051                                                    | 607               | 1672                | 0.603                   | 0.699                  |
| Net attendance rate in secondary education                                            | 0.191                 | 0.017                              | 0.089                                          | 3.340                               | 1.827                                                    | 619               | 1774                | 0.157                   | 0.226                  |
| Literacy rate of women aged 15-24 years                                               | 0.517                 | 0.023                              | 0.045                                          | 2.846                               | 1.687                                                    | 464               | 1316                | 0.471                   | 0.564                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.087                 | 0.012                              | 0.136                                          | 2.328                               | 1.526                                                    | 464               | 1316                | 0.063                   | 0.111                  |
| Use of an improved drinking water source                                              | 0.998                 | 0.001                              | 0.001                                          | 2.017                               | 1.420                                                    | 4148              | 2677                | 0.995                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.120                 | 0.020                              | 0.171                                          | 46.370                              | 6.810                                                    | 4148              | 11665               | 0.079                   | 0.161                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.288                 | 0.034                              | 0.118                                          | 7.055                               | 2.656                                                    | 1238              | 1245                | 0.220                   | 0.356                  |
| Birth registration                                                                    | 0.286                 | 0.022                              | 0.077                                          | 2.966                               | 1.722                                                    | 456               | 1239                | 0.242                   | 0.331                  |

**Table SE.007:** Sampling errors: Barisal Division

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.508                 | 0.010                              | 0.020                                          | 8.436                               | 2.904                                                    | 15317             | 20976               | 0.488                   | 0.528                  |
| Skilled attendant at delivery                                                               | 0.150                 | 0.007                              | 0.046                                          | 1.355                               | 1.164                                                    | 2807              | 3690                | 0.136                   | 0.163                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.232                 | 0.009                              | 0.038                                          | 2.121                               | 1.456                                                    | 3749              | 4904                | 0.214                   | 0.249                  |
| Primary net intake rate                                                                     | 0.760                 | 0.009                              | 0.012                                          | 1.670                               | 1.292                                                    | 2696              | 3554                | 0.742                   | 0.779                  |
| Net attendance rate in primary<br>education                                                 | 0.847                 | 0.005                              | 0.006                                          | 3.467                               | 1.862                                                    | 12375             | 16383               | 0.836                   | 0.857                  |
| Net attendance rate in<br>secondary education                                               | 0.523                 | 0.007                              | 0.013                                          | 3.404                               | 1.845                                                    | 12773             | 17213               | 0.509                   | 0.537                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.761                 | 0.007                              | 0.009                                          | 2.549                               | 1.597                                                    | 6578              | 9012                | 0.747                   | 0.776                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.144                 | 0.006                              | 0.043                                          | 2.849                               | 1.688                                                    | 6578              | 9012                | 0.132                   | 0.157                  |
| Use of an improved drinking<br>water source                                                 | 0.967                 | 0.004                              | 0.004                                          | 9.717                               | 3.117                                                    | 86796             | 25193               | 0.960                   | 0.974                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.465                 | 0.008                              | 0.018                                          | 32.673                              | 5.716                                                    | 86796             | 117157              | 0.448                   | 0.481                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.621                 | 0.010                              | 0.016                                          | 9.447                               | 3.074                                                    | 81841             | 23433               | 0.601                   | 0.640                  |
| Birth registration                                                                          | 0.468                 | 0.010                              | 0.020                                          | 4.139                               | 2.034                                                    | 8645              | 11202               | 0.449                   | 0.487                  |

**Table SE.008:** Sampling errors: Chittagong Division

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.502                 | 0.007                              | 0.014                                          | 10.107                              | 3.179                                                    | 43714             | 50963               | 0.488                   | 0.516                  |
| Skilled attendant at delivery                                                         | 0.208                 | 0.007                              | 0.032                                          | 2.583                               | 1.607                                                    | 8492              | 9778                | 0.195                   | 0.221                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.268                 | 0.007                              | 0.025                                          | 3.014                               | 1.736                                                    | 11716             | 13683               | 0.255                   | 0.281                  |
| Primary net intake rate                                                               | 0.632                 | 0.008                              | 0.012                                          | 2.567                               | 1.602                                                    | 8781              | 10359               | 0.617                   | 0.647                  |
| Net attendance rate in primary education                                              | 0.784                 | 0.005                              | 0.006                                          | 6.225                               | 2.495                                                    | 40019             | 47441               | 0.774                   | 0.793                  |
| Net attendance rate in secondary education                                            | 0.457                 | 0.005                              | 0.011                                          | 4.936                               | 2.222                                                    | 41950             | 47764               | 0.447                   | 0.467                  |
| Literacy rate of women aged 15-24 years                                               | 0.724                 | 0.006                              | 0.008                                          | 3.867                               | 1.966                                                    | 21392             | 24195               | 0.713                   | 0.735                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.126                 | 0.005                              | 0.036                                          | 4.469                               | 2.114                                                    | 21392             | 24195               | 0.117                   | 0.135                  |
| Use of an improved drinking water source                                              | 0.973                 | 0.001                              | 0.001                                          | 3.906                               | 1.976                                                    | 259462            | 60444               | 0.970                   | 0.976                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.618                 | 0.006                              | 0.010                                          | 51.099                              | 7.148                                                    | 259462            | 301054              | 0.605                   | 0.630                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.490                 | 0.006                              | 0.013                                          | 7.668                               | 2.769                                                    | 226400            | 48254               | 0.478                   | 0.503                  |
| Birth registration                                                                    | 0.575                 | 0.007                              | 0.012                                          | 5.756                               | 2.399                                                    | 26884             | 30946               | 0.561                   | 0.588                  |

**Table SE.009:** Sampling errors: Dhaka Division

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.517                 | 0.006                              | 0.011                                          | 8.399                               | 2.898                                                    | 83221             | 65232               | 0.506                   | 0.529                  |
| Skilled attendant at delivery                                                               | 0.282                 | 0.007                              | 0.024                                          | 2.699                               | 1.643                                                    | 15007             | 12093               | 0.269                   | 0.296                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.257                 | 0.006                              | 0.022                                          | 2.669                               | 1.634                                                    | 19974             | 16044               | 0.245                   | 0.268                  |
| Primary net intake rate                                                                     | 0.682                 | 0.006                              | 0.009                                          | 2.071                               | 1.439                                                    | 12778             | 10734               | 0.669                   | 0.695                  |
| Net attendance rate in primary<br>education                                                 | 0.825                 | 0.003                              | 0.004                                          | 4.028                               | 2.007                                                    | 60863             | 50755               | 0.818                   | 0.831                  |
| Net attendance rate in<br>secondary education                                               | 0.484                 | 0.005                              | 0.010                                          | 4.525                               | 2.127                                                    | 60201             | 48338               | 0.474                   | 0.494                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.719                 | 0.005                              | 0.007                                          | 3.739                               | 1.934                                                    | 38677             | 28684               | 0.709                   | 0.729                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.160                 | 0.005                              | 0.031                                          | 5.403                               | 2.325                                                    | 38677             | 28684               | 0.150                   | 0.170                  |
| Use of an improved drinking<br>water source                                                 | 0.996                 | 0.001                              | 0.001                                          | 5.958                               | 2.441                                                    | 440766            | 77493               | 0.995                   | 0.997                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.483                 | 0.007                              | 0.014                                          | 60.383                              | 7.771                                                    | 440766            | 350788              | 0.470                   | 0.496                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.561                 | 0.005                              | 0.008                                          | 5.919                               | 2.433                                                    | 340878            | 70125               | 0.552                   | 0.570                  |
| Birth registration                                                                          | 0.478                 | 0.006                              | 0.012                                          | 4.894                               | 2.212                                                    | 45817             | 36583               | 0.467                   | 0.490                  |

**Table SE.010:** Sampling errors: Khulna Division

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.490                 | 0.007                              | 0.015                                          | 7.376                               | 2.716                                                    | 30891             | 33569               | 0.475                   | 0.505                  |
| Skilled attendant at delivery                                                         | 0.304                 | 0.007                              | 0.025                                          | 1.436                               | 1.198                                                    | 4958              | 5413                | 0.289                   | 0.319                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.257                 | 0.007                              | 0.029                                          | 1.876                               | 1.370                                                    | 6289              | 6660                | 0.242                   | 0.271                  |
| Primary net intake rate                                                               | 0.736                 | 0.009                              | 0.012                                          | 1.635                               | 1.279                                                    | 4021              | 4309                | 0.718                   | 0.753                  |
| Net attendance rate in primary education                                              | 0.870                 | 0.004                              | 0.004                                          | 2.307                               | 1.519                                                    | 18880             | 20432               | 0.863                   | 0.877                  |
| Net attendance rate in secondary education                                            | 0.580                 | 0.005                              | 0.009                                          | 2.496                               | 1.580                                                    | 20518             | 22231               | 0.569                   | 0.590                  |
| Literacy rate of women aged 15-24 years                                               | 0.775                 | 0.005                              | 0.007                                          | 2.094                               | 1.447                                                    | 12793             | 14006               | 0.764                   | 0.785                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.194                 | 0.006                              | 0.031                                          | 3.205                               | 1.790                                                    | 12793             | 14006               | 0.182                   | 0.206                  |
| Use of an improved drinking water source                                              | 0.947                 | 0.003                              | 0.003                                          | 8.438                               | 2.905                                                    | 151748            | 38458               | 0.941                   | 0.954                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.528                 | 0.007                              | 0.013                                          | 30.515                              | 5.524                                                    | 151748            | 164326              | 0.515                   | 0.542                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.763                 | 0.005                              | 0.007                                          | 5.415                               | 2.327                                                    | 135580            | 33551               | 0.752                   | 0.774                  |
| Birth registration                                                                    | 0.623                 | 0.007                              | 0.011                                          | 3.054                               | 1.748                                                    | 14467             | 15356               | 0.609                   | 0.637                  |

**Table SE.011:** Sampling errors: Rajshahi Division

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.469                 | 0.005                              | 0.011                                          | 6.762                               | 2.600                                                    | 66451             | 64485               | 0.459                   | 0.480                  |
| Skilled attendant at delivery                                                         | 0.244                 | 0.005                              | 0.021                                          | 1.550                               | 1.245                                                    | 10898             | 10412               | 0.233                   | 0.254                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.156                 | 0.004                              | 0.027                                          | 1.915                               | 1.384                                                    | 15397             | 14237               | 0.147                   | 0.164                  |
| Primary net intake rate                                                               | 0.663                 | 0.006                              | 0.010                                          | 1.691                               | 1.300                                                    | 9728              | 9320                | 0.650                   | 0.676                  |
| Net attendance rate in primary education                                              | 0.813                 | 0.003                              | 0.004                                          | 3.032                               | 1.741                                                    | 43592             | 41601               | 0.806                   | 0.819                  |
| Net attendance rate in secondary education                                            | 0.524                 | 0.004                              | 0.008                                          | 2.654                               | 1.629                                                    | 43363             | 41748               | 0.516                   | 0.532                  |
| Literacy rate of women aged 15-24 years                                               | 0.700                 | 0.004                              | 0.006                                          | 2.243                               | 1.498                                                    | 26836             | 26199               | 0.692                   | 0.709                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.134                 | 0.004                              | 0.027                                          | 2.930                               | 1.712                                                    | 26836             | 26199               | 0.127                   | 0.141                  |
| Use of an improved drinking water source                                              | 0.994                 | 0.001                              | 0.001                                          | 6.510                               | 2.551                                                    | 327382            | 75313               | 0.992                   | 0.995                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.509                 | 0.005                              | 0.009                                          | 25.519                              | 5.052                                                    | 327382            | 313517              | 0.500                   | 0.518                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.322                 | 0.004                              | 0.012                                          | 5.289                               | 2.300                                                    | 318453            | 72807               | 0.314                   | 0.330                  |
| Birth registration                                                                    | 0.555                 | 0.005                              | 0.010                                          | 3.820                               | 1.955                                                    | 33875             | 31387               | 0.544                   | 0.566                  |



**Table SE.012: Sampling errors: Sylhet Division**

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.591                 | 0.010                              | 0.017                                          | 7.831                               | 2.798                                                    | 13559             | 19475               | 0.571                   | 0.610                  |
| Skilled attendant at delivery                                                         | 0.144                 | 0.006                              | 0.045                                          | 1.562                               | 1.250                                                    | 3147              | 4587                | 0.131                   | 0.157                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.217                 | 0.008                              | 0.038                                          | 2.389                               | 1.546                                                    | 4303              | 6064                | 0.201                   | 0.234                  |
| Primary net intake rate                                                               | 0.559                 | 0.011                              | 0.020                                          | 2.191                               | 1.480                                                    | 3081              | 4389                | 0.537                   | 0.581                  |
| Net attendance rate in primary education                                              | 0.742                 | 0.007                              | 0.009                                          | 4.582                               | 2.140                                                    | 14412             | 20598               | 0.729                   | 0.755                  |
| Net attendance rate in secondary education                                            | 0.371                 | 0.007                              | 0.019                                          | 4.024                               | 2.006                                                    | 13539             | 19261               | 0.357                   | 0.385                  |
| Literacy rate of women aged 15-24 years                                               | 0.641                 | 0.008                              | 0.013                                          | 2.978                               | 1.726                                                    | 6635              | 9529                | 0.624                   | 0.658                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.094                 | 0.005                              | 0.058                                          | 3.317                               | 1.821                                                    | 6635              | 9529                | 0.083                   | 0.104                  |
| Use of an improved drinking water source                                              | 0.918                 | 0.005                              | 0.006                                          | 8.009                               | 2.830                                                    | 88659             | 22940               | 0.907                   | 0.928                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.426                 | 0.008                              | 0.020                                          | 37.255                              | 6.104                                                    | 88659             | 126428              | 0.409                   | 0.443                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.518                 | 0.010                              | 0.019                                          | 7.455                               | 2.730                                                    | 76376             | 19694               | 0.498                   | 0.537                  |
| Birth registration                                                                    | 0.559                 | 0.009                              | 0.016                                          | 4.639                               | 2.154                                                    | 9962              | 14114               | 0.541                   | 0.577                  |

**Table SE.013:** Sampling errors: Barisal Division: Barguna District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.539                 | 0.032                              | 0.059                                          | 10.992                              | 3.315                                                    | 1743              | 2748                | 0.476                   | 0.602                  |
| Skilled attendant at delivery                                                               | 0.103                 | 0.015                              | 0.150                                          | 1.109                               | 1.053                                                    | 271               | 429                 | 0.072                   | 0.134                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.240                 | 0.027                              | 0.111                                          | 2.287                               | 1.512                                                    | 402               | 587                 | 0.186                   | 0.293                  |
| Primary net intake rate                                                                     | 0.826                 | 0.031                              | 0.037                                          | 2.607                               | 1.615                                                    | 261               | 395                 | 0.764                   | 0.888                  |
| Net attendance rate in primary<br>education                                                 | 0.904                 | 0.011                              | 0.012                                          | 2.407                               | 1.552                                                    | 1104              | 1733                | 0.882                   | 0.926                  |
| Net attendance rate in<br>secondary education                                               | 0.597                 | 0.018                              | 0.031                                          | 2.468                               | 1.571                                                    | 1113              | 1789                | 0.560                   | 0.633                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.763                 | 0.021                              | 0.028                                          | 2.808                               | 1.676                                                    | 718               | 1119                | 0.721                   | 0.806                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.091                 | 0.013                              | 0.145                                          | 2.337                               | 1.529                                                    | 718               | 1119                | 0.065                   | 0.117                  |
| Use of an improved drinking<br>water source                                                 | 0.951                 | 0.008                              | 0.009                                          | 4.745                               | 2.178                                                    | 8887              | 3200                | 0.935                   | 0.968                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.422                 | 0.026                              | 0.061                                          | 38.153                              | 6.177                                                    | 8887              | 13915               | 0.371                   | 0.474                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.315                 | 0.032                              | 0.100                                          | 13.399                              | 3.660                                                    | 8094              | 2901                | 0.252                   | 0.378                  |
| Birth registration                                                                          | 0.526                 | 0.029                              | 0.055                                          | 4.341                               | 2.083                                                    | 865               | 1276                | 0.468                   | 0.585                  |

**Table SE.014:** Sampling errors: Barisal District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.501                 | 0.018                              | 0.036                                          | 6.935                               | 2.633                                                    | 4344              | 5475                | 0.465                   | 0.537                  |
| Skilled attendant at delivery                                                               | 0.181                 | 0.015                              | 0.081                                          | 1.422                               | 1.193                                                    | 808               | 996                 | 0.151                   | 0.210                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.287                 | 0.020                              | 0.069                                          | 2.415                               | 1.554                                                    | 1036              | 1272                | 0.247                   | 0.326                  |
| Primary net intake rate                                                                     | 0.803                 | 0.016                              | 0.020                                          | 1.419                               | 1.191                                                    | 721               | 884                 | 0.771                   | 0.835                  |
| Net attendance rate in primary<br>education                                                 | 0.868                 | 0.010                              | 0.012                                          | 3.820                               | 1.954                                                    | 3482              | 4324                | 0.848                   | 0.888                  |
| Net attendance rate in<br>secondary education                                               | 0.537                 | 0.013                              | 0.024                                          | 3.338                               | 1.827                                                    | 3936              | 4920                | 0.511                   | 0.563                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.801                 | 0.012                              | 0.014                                          | 2.012                               | 1.418                                                    | 1898              | 2415                | 0.778                   | 0.824                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.263                 | 0.015                              | 0.058                                          | 2.874                               | 1.695                                                    | 1898              | 2415                | 0.232                   | 0.293                  |
| Use of an improved drinking<br>water source                                                 | 0.978                 | 0.006                              | 0.006                                          | 11.695                              | 3.420                                                    | 25332             | 6593                | 0.966                   | 0.991                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.570                 | 0.015                              | 0.027                                          | 30.763                              | 5.546                                                    | 25332             | 31781               | 0.540                   | 0.601                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.749                 | 0.017                              | 0.023                                          | 9.729                               | 3.119                                                    | 24480             | 6388                | 0.715                   | 0.782                  |
| Birth registration                                                                          | 0.532                 | 0.018                              | 0.034                                          | 3.945                               | 1.986                                                    | 2415              | 2941                | 0.495                   | 0.569                  |

**Table SE.015:** Sampling errors: Bhola District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.398                 | 0.028                              | 0.069                                          | 11.341                              | 3.368                                                    | 3186              | 3585                | 0.343                   | 0.453                  |
| Skilled attendant at delivery                                                               | 0.094                 | 0.015                              | 0.155                                          | 1.607                               | 1.268                                                    | 632               | 648                 | 0.065                   | 0.123                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.201                 | 0.018                              | 0.088                                          | 1.847                               | 1.359                                                    | 891               | 950                 | 0.166                   | 0.237                  |
| Primary net intake rate                                                                     | 0.656                 | 0.024                              | 0.037                                          | 1.930                               | 1.389                                                    | 679               | 737                 | 0.607                   | 0.705                  |
| Net attendance rate in primary<br>education                                                 | 0.766                 | 0.014                              | 0.018                                          | 3.637                               | 1.907                                                    | 3226              | 3486                | 0.739                   | 0.794                  |
| Net attendance rate in<br>secondary education                                               | 0.355                 | 0.018                              | 0.051                                          | 4.260                               | 2.064                                                    | 2757              | 2974                | 0.318                   | 0.391                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.623                 | 0.022                              | 0.035                                          | 3.039                               | 1.743                                                    | 1353              | 1513                | 0.579                   | 0.666                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.079                 | 0.012                              | 0.156                                          | 3.146                               | 1.774                                                    | 1353              | 1513                | 0.055                   | 0.104                  |
| Use of an improved drinking<br>water source                                                 | 0.991                 | 0.005                              | 0.005                                          | 9.267                               | 3.044                                                    | 19063             | 4240                | 0.982                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.275                 | 0.020                              | 0.073                                          | 42.162                              | 6.493                                                    | 19063             | 20737               | 0.235                   | 0.315                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.712                 | 0.021                              | 0.030                                          | 9.201                               | 3.033                                                    | 18829             | 4174                | 0.669                   | 0.754                  |
| Birth registration                                                                          | 0.265                 | 0.017                              | 0.063                                          | 3.120                               | 1.766                                                    | 2071              | 2149                | 0.232                   | 0.299                  |

**Table SE.016:** Sampling errors: Jhalokati District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.505                 | 0.033                              | 0.064                                          | 9.210                               | 3.035                                                    | 1153              | 2176                | 0.440                   | 0.570                  |
| Skilled attendant at delivery                                                               | 0.243                 | 0.021                              | 0.088                                          | 0.932                               | 0.965                                                    | 196               | 374                 | 0.200                   | 0.286                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.257                 | 0.025                              | 0.098                                          | 1.632                               | 1.277                                                    | 266               | 489                 | 0.206                   | 0.307                  |
| Primary net intake rate                                                                     | 0.763                 | 0.030                              | 0.040                                          | 1.852                               | 1.361                                                    | 198               | 361                 | 0.702                   | 0.824                  |
| Net attendance rate in primary<br>education                                                 | 0.884                 | 0.012                              | 0.013                                          | 2.052                               | 1.432                                                    | 842               | 1545                | 0.861                   | 0.908                  |
| Net attendance rate in<br>secondary education                                               | 0.643                 | 0.019                              | 0.030                                          | 3.101                               | 1.761                                                    | 1049              | 1922                | 0.604                   | 0.681                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.875                 | 0.015                              | 0.017                                          | 1.877                               | 1.370                                                    | 487               | 923                 | 0.845                   | 0.905                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.113                 | 0.015                              | 0.133                                          | 2.075                               | 1.440                                                    | 487               | 923                 | 0.083                   | 0.144                  |
| Use of an improved drinking<br>water source                                                 | 0.976                 | 0.009                              | 0.009                                          | 9.383                               | 3.063                                                    | 6371              | 2680                | 0.957                   | 0.994                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.745                 | 0.022                              | 0.030                                          | 31.228                              | 5.588                                                    | 6371              | 11791               | 0.701                   | 0.790                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.720                 | 0.021                              | 0.029                                          | 5.574                               | 2.361                                                    | 6138              | 2543                | 0.677                   | 0.762                  |
| Birth registration                                                                          | 0.673                 | 0.028                              | 0.041                                          | 3.780                               | 1.944                                                    | 593               | 1088                | 0.618                   | 0.729                  |

**Table SE.017:** Sampling errors: Patuakhali District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.633                 | 0.020                              | 0.031                                          | 6.017                               | 2.453                                                    | 2842              | 3542                | 0.593                   | 0.672                  |
| Skilled attendant at delivery                                                               | 0.131                 | 0.015                              | 0.112                                          | 1.191                               | 1.091                                                    | 552               | 635                 | 0.102                   | 0.160                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.195                 | 0.019                              | 0.096                                          | 1.941                               | 1.393                                                    | 710               | 869                 | 0.157                   | 0.232                  |
| Primary net intake rate                                                                     | 0.810                 | 0.018                              | 0.023                                          | 1.382                               | 1.176                                                    | 499               | 634                 | 0.774                   | 0.847                  |
| Net attendance rate in primary<br>education                                                 | 0.879                 | 0.010                              | 0.011                                          | 2.602                               | 1.613                                                    | 2229              | 2817                | 0.859                   | 0.899                  |
| Net attendance rate in<br>secondary education                                               | 0.578                 | 0.016                              | 0.028                                          | 3.184                               | 1.784                                                    | 2318              | 2944                | 0.545                   | 0.610                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.743                 | 0.018                              | 0.025                                          | 2.742                               | 1.656                                                    | 1238              | 1549                | 0.707                   | 0.780                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.098                 | 0.012                              | 0.123                                          | 2.525                               | 1.589                                                    | 1238              | 1549                | 0.074                   | 0.122                  |
| Use of an improved drinking<br>water source                                                 | 0.994                 | 0.002                              | 0.002                                          | 4.198                               | 2.049                                                    | 15970             | 4240                | 0.989                   | 0.999                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.366                 | 0.019                              | 0.051                                          | 30.421                              | 5.516                                                    | 15970             | 20381               | 0.329                   | 0.403                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.359                 | 0.027                              | 0.075                                          | 13.179                              | 3.630                                                    | 15761             | 4170                | 0.305                   | 0.413                  |
| Birth registration                                                                          | 0.489                 | 0.026                              | 0.053                                          | 5.440                               | 2.332                                                    | 1654              | 1990                | 0.437                   | 0.541                  |

**Table SE.018:** Sampling errors: Pirojpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.497                 | 0.022                              | 0.044                                          | 6.624                               | 2.574                                                    | 2049              | 3450                | 0.453                   | 0.541                  |
| Skilled attendant at delivery                                                         | 0.191                 | 0.018                              | 0.096                                          | 1.323                               | 1.150                                                    | 348               | 608                 | 0.154                   | 0.228                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.200                 | 0.020                              | 0.098                                          | 1.770                               | 1.330                                                    | 443               | 737                 | 0.161                   | 0.239                  |
| Primary net intake rate                                                               | 0.750                 | 0.022                              | 0.029                                          | 1.350                               | 1.162                                                    | 337               | 543                 | 0.707                   | 0.793                  |
| Net attendance rate in primary education                                              | 0.859                 | 0.012                              | 0.014                                          | 3.004                               | 1.733                                                    | 1492              | 2478                | 0.835                   | 0.883                  |
| Net attendance rate in secondary education                                            | 0.570                 | 0.016                              | 0.029                                          | 2.915                               | 1.707                                                    | 1600              | 2664                | 0.537                   | 0.602                  |
| Literacy rate of women aged 15-24 years                                               | 0.850                 | 0.012                              | 0.014                                          | 1.738                               | 1.318                                                    | 884               | 1493                | 0.825                   | 0.874                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.116                 | 0.014                              | 0.120                                          | 2.824                               | 1.680                                                    | 884               | 1493                | 0.088                   | 0.144                  |
| Use of an improved drinking water source                                              | 0.868                 | 0.020                              | 0.024                                          | 15.527                              | 3.940                                                    | 11173             | 4240                | 0.827                   | 0.909                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.562                 | 0.022                              | 0.040                                          | 38.124                              | 6.174                                                    | 11173             | 18552               | 0.517                   | 0.607                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.754                 | 0.023                              | 0.030                                          | 9.111                               | 3.018                                                    | 8538              | 3257                | 0.709                   | 0.800                  |
| Birth registration                                                                    | 0.524                 | 0.022                              | 0.042                                          | 3.375                               | 1.837                                                    | 1047              | 1758                | 0.480                   | 0.568                  |

**Table SE.019:** Sampling errors: Chittagong Division: Bandarban District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.440                 | 0.024                              | 0.054                                          | 7.866                               | 2.805                                                    | 553               | 3405                | 0.392                   | 0.487                  |
| Skilled attendant at delivery                                                               | 0.076                 | 0.012                              | 0.157                                          | 1.231                               | 1.109                                                    | 103               | 610                 | 0.052                   | 0.100                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.295                 | 0.025                              | 0.084                                          | 3.017                               | 1.737                                                    | 176               | 1015                | 0.245                   | 0.345                  |
| Primary net intake rate                                                                     | 0.520                 | 0.027                              | 0.052                                          | 2.220                               | 1.490                                                    | 121               | 768                 | 0.466                   | 0.574                  |
| Net attendance rate in primary<br>education                                                 | 0.606                 | 0.022                              | 0.037                                          | 6.891                               | 2.625                                                    | 535               | 3346                | 0.561                   | 0.650                  |
| Net attendance rate in<br>secondary education                                               | 0.281                 | 0.015                              | 0.054                                          | 3.261                               | 1.806                                                    | 453               | 2821                | 0.251                   | 0.312                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.398                 | 0.023                              | 0.058                                          | 3.341                               | 1.828                                                    | 247               | 1502                | 0.352                   | 0.445                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.072                 | 0.014                              | 0.192                                          | 4.287                               | 2.071                                                    | 247               | 1502                | 0.044                   | 0.099                  |
| Use of an improved drinking<br>water source                                                 | 0.680                 | 0.024                              | 0.036                                          | 11.535                              | 3.396                                                    | 3184              | 4238                | 0.631                   | 0.728                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.306                 | 0.019                              | 0.062                                          | 34.078                              | 5.838                                                    | 3184              | 19913               | 0.268                   | 0.344                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.128                 | 0.024                              | 0.189                                          | 6.232                               | 2.496                                                    | 1154              | 1187                | 0.080                   | 0.176                  |
| Birth registration                                                                          | 0.540                 | 0.020                              | 0.038                                          | 3.700                               | 1.924                                                    | 383               | 2199                | 0.499                   | 0.581                  |



**Table SE.020:** Sampling errors: Chittagong Division: Brahmanbaria DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.419                 | 0.024                              | 0.057                                          | 9.033                               | 3.005                                                    | 3746              | 3798                | 0.371                   | 0.467                  |
| Skilled attendant at delivery                                                         | 0.142                 | 0.021                              | 0.147                                          | 2.770                               | 1.664                                                    | 762               | 772                 | 0.101                   | 0.184                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.212                 | 0.021                              | 0.101                                          | 3.122                               | 1.767                                                    | 1146              | 1138                | 0.169                   | 0.255                  |
| Primary net intake rate                                                               | 0.470                 | 0.024                              | 0.052                                          | 2.494                               | 1.579                                                    | 1016              | 1038                | 0.421                   | 0.518                  |
| Net attendance rate in primary education                                              | 0.669                 | 0.017                              | 0.025                                          | 5.683                               | 2.384                                                    | 4318              | 4381                | 0.635                   | 0.703                  |
| Net attendance rate in secondary education                                            | 0.381                 | 0.014                              | 0.037                                          | 3.335                               | 1.826                                                    | 3822              | 3867                | 0.352                   | 0.409                  |
| Literacy rate of women aged 15-24 years                                               | 0.612                 | 0.019                              | 0.032                                          | 2.772                               | 1.665                                                    | 1677              | 1740                | 0.573                   | 0.651                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.119                 | 0.016                              | 0.136                                          | 4.303                               | 2.074                                                    | 1677              | 1740                | 0.086                   | 0.151                  |
| Use of an improved drinking water source                                              | 0.996                 | 0.001                              | 0.001                                          | 1.915                               | 1.384                                                    | 24099             | 4759                | 0.993                   | 0.998                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.555                 | 0.024                              | 0.043                                          | 55.836                              | 7.472                                                    | 24099             | 24417               | 0.508                   | 0.603                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.627                 | 0.020                              | 0.031                                          | 7.627                               | 2.762                                                    | 23549             | 4644                | 0.587                   | 0.666                  |
| Birth registration                                                                    | 0.320                 | 0.022                              | 0.068                                          | 5.751                               | 2.398                                                    | 2639              | 2619                | 0.276                   | 0.363                  |

**Table SE.021:** Sampling errors: Chittagong Division: Chandpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.528                 | 0.023                              | 0.044                                          | 8.282                               | 2.878                                                    | 3759              | 3853                | 0.482                   | 0.575                  |
| Skilled attendant at delivery                                                         | 0.191                 | 0.018                              | 0.094                                          | 1.578                               | 1.256                                                    | 760               | 762                 | 0.155                   | 0.227                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.314                 | 0.021                              | 0.066                                          | 1.903                               | 1.379                                                    | 935               | 942                 | 0.272                   | 0.356                  |
| Primary net intake rate                                                               | 0.635                 | 0.025                              | 0.039                                          | 2.014                               | 1.419                                                    | 737               | 756                 | 0.585                   | 0.684                  |
| Net attendance rate in primary education                                              | 0.794                 | 0.018                              | 0.023                                          | 6.961                               | 2.638                                                    | 3277              | 3379                | 0.757                   | 0.831                  |
| Net attendance rate in secondary education                                            | 0.491                 | 0.016                              | 0.033                                          | 4.149                               | 2.037                                                    | 3792              | 3863                | 0.458                   | 0.524                  |
| Literacy rate of women aged 15-24 years                                               | 0.779                 | 0.018                              | 0.023                                          | 3.709                               | 1.926                                                    | 1979              | 1964                | 0.743                   | 0.815                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.070                 | 0.010                              | 0.137                                          | 2.765                               | 1.663                                                    | 1979              | 1964                | 0.051                   | 0.089                  |
| Use of an improved drinking water source                                              | 0.976                 | 0.007                              | 0.007                                          | 8.835                               | 2.972                                                    | 22991             | 4759                | 0.963                   | 0.989                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.667                 | 0.014                              | 0.021                                          | 21.361                              | 4.622                                                    | 22991             | 23314               | 0.639                   | 0.696                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.643                 | 0.024                              | 0.037                                          | 10.998                              | 3.316                                                    | 21292             | 4406                | 0.595                   | 0.691                  |
| Birth registration                                                                    | 0.583                 | 0.021                              | 0.035                                          | 3.986                               | 1.996                                                    | 2302              | 2273                | 0.541                   | 0.624                  |

**Table SE.022:** Sampling errors: Chittagong Division: Chittagong DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.391                 | 0.017                              | 0.043                                          | 10.161                              | 3.188                                                    | 12172             | 8740                | 0.358                   | 0.424                 |
| Skilled attendant at delivery                                                         | 0.324                 | 0.016                              | 0.050                                          | 2.173                               | 1.474                                                    | 2464              | 1786                | 0.291                   | 0.357                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.258                 | 0.016                              | 0.061                                          | 2.754                               | 1.659                                                    | 2997              | 2154                | 0.227                   | 0.290                 |
| Primary net intake rate                                                               | 0.712                 | 0.016                              | 0.023                                          | 2.032                               | 1.425                                                    | 2173              | 1591                | 0.680                   | 0.745                 |
| Net attendance rate in primary education                                              | 0.839                 | 0.010                              | 0.012                                          | 5.236                               | 2.288                                                    | 9754              | 7267                | 0.820                   | 0.859                 |
| Net attendance rate in secondary education                                            | 0.490                 | 0.012                              | 0.024                                          | 4.627                               | 2.151                                                    | 11470             | 8340                | 0.467                   | 0.514                 |
| Literacy rate of women aged 15-24 years                                               | 0.774                 | 0.013                              | 0.016                                          | 4.117                               | 2.029                                                    | 6607              | 4600                | 0.749                   | 0.799                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.144                 | 0.011                              | 0.075                                          | 4.324                               | 2.079                                                    | 6607              | 4600                | 0.122                   | 0.165                 |
| Use of an improved drinking water source                                              | 0.996                 | 0.002                              | 0.002                                          | 9.709                               | 3.116                                                    | 72241             | 10277               | 0.993                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.647                 | 0.016                              | 0.025                                          | 58.728                              | 7.663                                                    | 72241             | 51855               | 0.615                   | 0.679                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.217                 | 0.012                              | 0.055                                          | 7.305                               | 2.703                                                    | 57190             | 8617                | 0.193                   | 0.241                 |
| Birth registration                                                                    | 0.575                 | 0.016                              | 0.028                                          | 5.420                               | 2.328                                                    | 7147              | 5108                | 0.542                   | 0.607                 |

**Table SE.023:** Sampling errors: Chittagong Division: Comilla District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.595                 | 0.016                              | 0.027                                          | 8.683                               | 2.947                                                    | 8506              | 8051                | 0.563                   | 0.628                  |
| Skilled attendant at delivery                                                               | 0.171                 | 0.013                              | 0.075                                          | 1.734                               | 1.317                                                    | 1583              | 1496                | 0.146                   | 0.197                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.334                 | 0.014                              | 0.043                                          | 2.056                               | 1.434                                                    | 2320              | 2177                | 0.305                   | 0.363                  |
| Primary net intake rate                                                                     | 0.687                 | 0.016                              | 0.023                                          | 1.824                               | 1.351                                                    | 1671              | 1555                | 0.655                   | 0.718                  |
| Net attendance rate in primary<br>education                                                 | 0.823                 | 0.009                              | 0.011                                          | 3.943                               | 1.986                                                    | 7643              | 7212                | 0.806                   | 0.841                  |
| Net attendance rate in<br>secondary education                                               | 0.478                 | 0.010                              | 0.022                                          | 3.221                               | 1.795                                                    | 7749              | 7336                | 0.457                   | 0.499                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.739                 | 0.011                              | 0.015                                          | 2.481                               | 1.575                                                    | 3947              | 3691                | 0.716                   | 0.762                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.131                 | 0.008                              | 0.060                                          | 2.017                               | 1.420                                                    | 3947              | 3691                | 0.115                   | 0.147                  |
| Use of an improved drinking<br>water source                                                 | 0.990                 | 0.002                              | 0.002                                          | 3.094                               | 1.759                                                    | 48522             | 8918                | 0.986                   | 0.994                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.675                 | 0.012                              | 0.018                                          | 30.409                              | 5.514                                                    | 48522             | 46067               | 0.651                   | 0.699                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.615                 | 0.015                              | 0.024                                          | 7.694                               | 2.774                                                    | 46856             | 8620                | 0.586                   | 0.644                  |
| Birth registration                                                                          | 0.564                 | 0.013                              | 0.023                                          | 3.360                               | 1.833                                                    | 5213              | 4854                | 0.538                   | 0.590                  |

**Table SE.024:** Sampling errors: Chittagong Division: Cox's Bazar DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.593                 | 0.021                              | 0.035                                          | 6.876                               | 2.622                                                    | 2752              | 3910                | 0.552                   | 0.634                  |
| Skilled attendant at delivery                                                         | 0.120                 | 0.016                              | 0.129                                          | 1.705                               | 1.306                                                    | 515               | 749                 | 0.089                   | 0.151                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.190                 | 0.016                              | 0.086                                          | 2.099                               | 1.449                                                    | 850               | 1213                | 0.157                   | 0.222                  |
| Primary net intake rate                                                               | 0.516                 | 0.023                              | 0.045                                          | 2.320                               | 1.523                                                    | 741               | 1074                | 0.470                   | 0.563                  |
| Net attendance rate in primary education                                              | 0.700                 | 0.016                              | 0.024                                          | 6.330                               | 2.516                                                    | 3443              | 4909                | 0.667                   | 0.733                  |
| Net attendance rate in secondary education                                            | 0.315                 | 0.014                              | 0.044                                          | 4.152                               | 2.038                                                    | 3295              | 4628                | 0.287                   | 0.343                  |
| Literacy rate of women aged 15-24 years                                               | 0.544                 | 0.020                              | 0.036                                          | 3.272                               | 1.809                                                    | 1476              | 2066                | 0.504                   | 0.583                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.125                 | 0.015                              | 0.120                                          | 4.221                               | 2.054                                                    | 1476              | 2066                | 0.095                   | 0.154                  |
| Use of an improved drinking water source                                              | 0.966                 | 0.007                              | 0.007                                          | 7.405                               | 2.721                                                    | 18546             | 4756                | 0.951                   | 0.980                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.595                 | 0.018                              | 0.031                                          | 36.986                              | 6.082                                                    | 18546             | 26404               | 0.558                   | 0.631                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.128                 | 0.009                              | 0.068                                          | 2.489                               | 1.578                                                    | 13843             | 3667                | 0.111                   | 0.146                  |
| Birth registration                                                                    | 0.522                 | 0.023                              | 0.045                                          | 5.798                               | 2.408                                                    | 1915              | 2671                | 0.475                   | 0.568                  |

**Table SE.025:** Sampling errors: Chittagong Division: Feni District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.624                 | 0.024                              | 0.039                                          | 8.258                               | 2.874                                                    | 2199              | 3286                | 0.576                   | 0.673                  |
| Skilled attendant at delivery                                                         | 0.238                 | 0.024                              | 0.101                                          | 1.886                               | 1.373                                                    | 395               | 595                 | 0.190                   | 0.286                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.307                 | 0.030                              | 0.098                                          | 3.241                               | 1.800                                                    | 524               | 764                 | 0.247                   | 0.367                  |
| Primary net intake rate                                                               | 0.705                 | 0.034                              | 0.048                                          | 2.774                               | 1.665                                                    | 343               | 512                 | 0.638                   | 0.772                  |
| Net attendance rate in primary education                                              | 0.835                 | 0.021                              | 0.025                                          | 7.807                               | 2.794                                                    | 1674              | 2522                | 0.794                   | 0.876                  |
| Net attendance rate in secondary education                                            | 0.530                 | 0.020                              | 0.038                                          | 5.107                               | 2.260                                                    | 2076              | 3108                | 0.490                   | 0.571                  |
| Literacy rate of women aged 15-24 years                                               | 0.835                 | 0.018                              | 0.021                                          | 3.718                               | 1.928                                                    | 1067              | 1598                | 0.799                   | 0.870                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.131                 | 0.019                              | 0.148                                          | 5.302                               | 2.303                                                    | 1067              | 1598                | 0.092                   | 0.170                  |
| Use of an improved drinking water source                                              | 0.994                 | 0.002                              | 0.002                                          | 2.724                               | 1.651                                                    | 12052             | 3715                | 0.989                   | 0.998                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.791                 | 0.017                              | 0.021                                          | 31.452                              | 5.608                                                    | 12052             | 18043               | 0.758                   | 0.825                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.567                 | 0.024                              | 0.043                                          | 8.303                               | 2.881                                                    | 11135             | 3459                | 0.519                   | 0.616                  |
| Birth registration                                                                    | 0.741                 | 0.020                              | 0.027                                          | 3.616                               | 1.902                                                    | 1199              | 1758                | 0.701                   | 0.780                  |

**Table SE.026:** Sampling errors: Chittagong Division: Khagrachhari DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.366                 | 0.019                              | 0.051                                          | 5.809                               | 2.410                                                    | 1049              | 3851                | 0.329                   | 0.404                  |
| Skilled attendant at delivery                                                         | 0.091                 | 0.014                              | 0.155                                          | 2.036                               | 1.427                                                    | 231               | 843                 | 0.063                   | 0.119                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.385                 | 0.022                              | 0.057                                          | 2.246                               | 1.499                                                    | 300               | 1096                | 0.341                   | 0.429                  |
| Primary net intake rate                                                               | 0.691                 | 0.020                              | 0.029                                          | 1.355                               | 1.164                                                    | 195               | 729                 | 0.651                   | 0.731                  |
| Net attendance rate in primary education                                              | 0.794                 | 0.015                              | 0.019                                          | 4.655                               | 2.158                                                    | 953               | 3524                | 0.765                   | 0.823                  |
| Net attendance rate in secondary education                                            | 0.418                 | 0.018                              | 0.042                                          | 3.816                               | 1.954                                                    | 820               | 3013                | 0.382                   | 0.453                  |
| Literacy rate of women aged 15-24 years                                               | 0.538                 | 0.018                              | 0.034                                          | 2.347                               | 1.532                                                    | 477               | 1750                | 0.501                   | 0.574                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.156                 | 0.013                              | 0.084                                          | 2.263                               | 1.504                                                    | 477               | 1750                | 0.130                   | 0.182                  |
| Use of an improved drinking water source                                              | 0.697                 | 0.024                              | 0.034                                          | 12.485                              | 3.533                                                    | 5955              | 4757                | 0.650                   | 0.744                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.196                 | 0.013                              | 0.067                                          | 24.025                              | 4.901                                                    | 5955              | 21896               | 0.170                   | 0.223                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.058                 | 0.008                              | 0.141                                          | 3.574                               | 1.891                                                    | 3785              | 2932                | 0.041                   | 0.074                  |
| Birth registration                                                                    | 0.702                 | 0.017                              | 0.024                                          | 3.441                               | 1.855                                                    | 698               | 2533                | 0.668                   | 0.735                  |

**Table SE.027:** Sampling errors: Chittagong Division: Lakshmipur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.495                 | 0.017                              | 0.035                                          | 3.227                               | 1.796                                                    | 2914              | 2677                | 0.460                   | 0.530                  |
| Skilled attendant at delivery                                                               | 0.198                 | 0.025                              | 0.129                                          | 2.332                               | 1.527                                                    | 620               | 571                 | 0.147                   | 0.249                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.207                 | 0.027                              | 0.129                                          | 3.022                               | 1.738                                                    | 796               | 700                 | 0.154                   | 0.261                  |
| Primary net intake rate                                                                     | 0.628                 | 0.028                              | 0.045                                          | 1.699                               | 1.303                                                    | 545               | 497                 | 0.572                   | 0.685                  |
| Net attendance rate in primary<br>education                                                 | 0.784                 | 0.021                              | 0.027                                          | 6.483                               | 2.546                                                    | 2742              | 2539                | 0.743                   | 0.826                  |
| Net attendance rate in<br>secondary education                                               | 0.431                 | 0.022                              | 0.051                                          | 5.140                               | 2.267                                                    | 2727              | 2565                | 0.386                   | 0.475                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.735                 | 0.023                              | 0.031                                          | 3.231                               | 1.797                                                    | 1282              | 1173                | 0.689                   | 0.782                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.220                 | 0.022                              | 0.098                                          | 3.173                               | 1.781                                                    | 1282              | 1173                | 0.177                   | 0.263                  |
| Use of an improved drinking<br>water source                                                 | 0.994                 | 0.003                              | 0.003                                          | 4.437                               | 2.106                                                    | 16859             | 3199                | 0.988                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.608                 | 0.020                              | 0.033                                          | 25.984                              | 5.097                                                    | 16859             | 15536               | 0.568                   | 0.648                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.726                 | 0.022                              | 0.030                                          | 7.203                               | 2.684                                                    | 16201             | 3023                | 0.683                   | 0.770                  |
| Birth registration                                                                          | 0.664                 | 0.030                              | 0.045                                          | 6.358                               | 2.522                                                    | 1817              | 1613                | 0.605                   | 0.724                  |



**Table SE.028:** Sampling errors: Chittagong Division: Noakhali DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.588                 | 0.019                              | 0.032                                          | 6.669                               | 2.582                                                    | 5121              | 4552                | 0.551                   | 0.626                  |
| Skilled attendant at delivery                                                         | 0.129                 | 0.015                              | 0.120                                          | 1.661                               | 1.289                                                    | 896               | 786                 | 0.098                   | 0.160                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.206                 | 0.017                              | 0.084                                          | 2.218                               | 1.489                                                    | 1415              | 1228                | 0.171                   | 0.240                  |
| Primary net intake rate                                                               | 0.590                 | 0.025                              | 0.043                                          | 2.519                               | 1.587                                                    | 1070              | 952                 | 0.539                   | 0.641                  |
| Net attendance rate in primary education                                              | 0.768                 | 0.013                              | 0.017                                          | 4.345                               | 2.085                                                    | 4900              | 4383                | 0.741                   | 0.795                  |
| Net attendance rate in secondary education                                            | 0.488                 | 0.015                              | 0.030                                          | 3.892                               | 1.973                                                    | 5008              | 4542                | 0.458                   | 0.517                  |
| Literacy rate of women aged 15-24 years                                               | 0.762                 | 0.014                              | 0.018                                          | 1.954                               | 1.398                                                    | 2199              | 1935                | 0.735                   | 0.789                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.064                 | 0.009                              | 0.142                                          | 2.644                               | 1.626                                                    | 2199              | 1935                | 0.046                   | 0.082                  |
| Use of an improved drinking water source                                              | 0.993                 | 0.002                              | 0.002                                          | 4.404                               | 2.098                                                    | 29706             | 5276                | 0.988                   | 0.998                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.580                 | 0.018                              | 0.030                                          | 34.157                              | 5.844                                                    | 29706             | 26725               | 0.544                   | 0.615                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.709                 | 0.019                              | 0.027                                          | 8.947                               | 2.991                                                    | 29042             | 5130                | 0.671                   | 0.747                  |
| Birth registration                                                                    | 0.676                 | 0.016                              | 0.024                                          | 3.105                               | 1.762                                                    | 3011              | 2576                | 0.644                   | 0.709                  |

**Table SE.029:** Sampling errors: Chittagong Division: Rangamati District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.492                 | 0.021                              | 0.044                                          | 8.877                               | 2.980                                                    | 943               | 4840                | 0.449                   | 0.535                  |
| Skilled attendant at delivery                                                               | 0.115                 | 0.013                              | 0.116                                          | 1.411                               | 1.188                                                    | 163               | 808                 | 0.089                   | 0.142                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.408                 | 0.025                              | 0.062                                          | 3.368                               | 1.835                                                    | 257               | 1256                | 0.357                   | 0.459                  |
| Primary net intake rate                                                                     | 0.664                 | 0.024                              | 0.035                                          | 2.205                               | 1.485                                                    | 170               | 887                 | 0.617                   | 0.711                  |
| Net attendance rate in primary<br>education                                                 | 0.750                 | 0.017                              | 0.022                                          | 5.884                               | 2.426                                                    | 780               | 3979                | 0.716                   | 0.783                  |
| Net attendance rate in<br>secondary education                                               | 0.417                 | 0.018                              | 0.043                                          | 4.766                               | 2.183                                                    | 738               | 3681                | 0.382                   | 0.453                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.527                 | 0.019                              | 0.037                                          | 3.244                               | 1.801                                                    | 433               | 2176                | 0.489                   | 0.566                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.114                 | 0.014                              | 0.119                                          | 3.939                               | 1.985                                                    | 433               | 2176                | 0.087                   | 0.141                  |
| Use of an improved drinking<br>water source                                                 | 0.667                 | 0.021                              | 0.032                                          | 11.856                              | 3.443                                                    | 5306              | 5790                | 0.624                   | 0.709                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.349                 | 0.015                              | 0.044                                          | 28.153                              | 5.306                                                    | 5306              | 26884               | 0.318                   | 0.380                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.212                 | 0.024                              | 0.114                                          | 8.999                               | 3.000                                                    | 2353              | 2569                | 0.163                   | 0.260                  |
| Birth registration                                                                          | 0.710                 | 0.018                              | 0.025                                          | 4.241                               | 2.059                                                    | 560               | 2742                | 0.674                   | 0.746                  |

**Table SE.030:** Sampling errors: Dhaka Division: Dhaka District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.546                 | 0.015                              | 0.028                                          | 6.153                               | 2.481                                                    | 21807             | 6677                | 0.516                   | 0.576                  |
| Skilled attendant at delivery                                                         | 0.519                 | 0.022                              | 0.042                                          | 2.250                               | 1.500                                                    | 3685              | 1172                | 0.475                   | 0.563                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.251                 | 0.018                              | 0.070                                          | 2.310                               | 1.520                                                    | 4562              | 1398                | 0.216                   | 0.286                  |
| Primary net intake rate                                                               | 0.774                 | 0.019                              | 0.024                                          | 1.627                               | 1.276                                                    | 2520              | 803                 | 0.737                   | 0.812                  |
| Net attendance rate in primary education                                              | 0.841                 | 0.011                              | 0.013                                          | 3.585                               | 1.893                                                    | 12456             | 4058                | 0.819                   | 0.863                  |
| Net attendance rate in secondary education                                            | 0.492                 | 0.015                              | 0.030                                          | 3.972                               | 1.993                                                    | 14624             | 4515                | 0.462                   | 0.521                  |
| Literacy rate of women aged 15-24 years                                               | 0.761                 | 0.013                              | 0.017                                          | 3.367                               | 1.835                                                    | 12060             | 3564                | 0.734                   | 0.787                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.190                 | 0.013                              | 0.068                                          | 3.922                               | 1.980                                                    | 12060             | 3564                | 0.164                   | 0.216                  |
| Use of an improved drinking water source                                              | 0.999                 | 0.001                              | 0.001                                          | 2.245                               | 1.498                                                    | 108533            | 7598                | 0.998                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.511                 | 0.022                              | 0.043                                          | 64.256                              | 8.016                                                    | 108533            | 32980               | 0.467                   | 0.555                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.442                 | 0.018                              | 0.040                                          | 3.723                               | 1.930                                                    | 25641             | 2872                | 0.406                   | 0.478                  |
| Birth registration                                                                    | 0.398                 | 0.017                              | 0.042                                          | 3.795                               | 1.948                                                    | 10753             | 3315                | 0.365                   | 0.431                  |

**Table SE.031:** Sampling errors: Dhaka Division: Faridpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.617                 | 0.020                              | 0.032                                          | 7.364                               | 2.714                                                    | 3227              | 4383                | 0.577                   | 0.657                  |
| Skilled attendant at delivery                                                               | 0.245                 | 0.020                              | 0.081                                          | 1.532                               | 1.238                                                    | 533               | 713                 | 0.205                   | 0.285                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.204                 | 0.018                              | 0.087                                          | 2.211                               | 1.487                                                    | 849               | 1132                | 0.168                   | 0.239                  |
| Primary net intake rate                                                                     | 0.661                 | 0.019                              | 0.028                                          | 1.229                               | 1.108                                                    | 573               | 788                 | 0.624                   | 0.699                  |
| Net attendance rate in primary<br>education                                                 | 0.836                 | 0.009                              | 0.010                                          | 1.950                               | 1.397                                                    | 2623              | 3614                | 0.819                   | 0.853                  |
| Net attendance rate in<br>secondary education                                               | 0.487                 | 0.014                              | 0.030                                          | 2.912                               | 1.706                                                    | 2578              | 3493                | 0.458                   | 0.516                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.741                 | 0.015                              | 0.020                                          | 2.054                               | 1.433                                                    | 1287              | 1749                | 0.711                   | 0.771                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.160                 | 0.014                              | 0.089                                          | 2.623                               | 1.619                                                    | 1287              | 1749                | 0.131                   | 0.188                  |
| Use of an improved drinking<br>water source                                                 | 0.994                 | 0.002                              | 0.002                                          | 3.576                               | 1.891                                                    | 18025             | 5279                | 0.990                   | 0.998                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.742                 | 0.013                              | 0.017                                          | 20.833                              | 4.564                                                    | 18025             | 24512               | 0.716                   | 0.767                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.687                 | 0.019                              | 0.027                                          | 8.395                               | 2.897                                                    | 17469             | 5087                | 0.650                   | 0.725                  |
| Birth registration                                                                          | 0.572                 | 0.019                              | 0.033                                          | 3.488                               | 1.868                                                    | 1810              | 2437                | 0.534                   | 0.609                  |

**Table SE.032:** Sampling errors: Dhaka Division: Gazipur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.523                 | 0.028                              | 0.054                                          | 8.659                               | 2.943                                                    | 4498              | 2709                | 0.467                   | 0.580                  |
| Skilled attendant at delivery                                                               | 0.373                 | 0.031                              | 0.084                                          | 1.800                               | 1.342                                                    | 718               | 427                 | 0.310                   | 0.436                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.446                 | 0.032                              | 0.071                                          | 2.227                               | 1.492                                                    | 981               | 547                 | 0.382                   | 0.509                  |
| Primary net intake rate                                                                     | 0.849                 | 0.025                              | 0.030                                          | 1.611                               | 1.269                                                    | 502               | 325                 | 0.799                   | 0.900                  |
| Net attendance rate in primary<br>education                                                 | 0.908                 | 0.008                              | 0.009                                          | 1.319                               | 1.148                                                    | 2578              | 1637                | 0.892                   | 0.925                  |
| Net attendance rate in<br>secondary education                                               | 0.607                 | 0.021                              | 0.034                                          | 3.033                               | 1.742                                                    | 2802              | 1701                | 0.566                   | 0.648                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.814                 | 0.018                              | 0.022                                          | 2.774                               | 1.666                                                    | 2243              | 1279                | 0.778                   | 0.851                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.133                 | 0.016                              | 0.117                                          | 2.685                               | 1.639                                                    | 2243              | 1279                | 0.102                   | 0.164                  |
| Use of an improved drinking<br>water source                                                 | 1.000                 | 0.000                              | 0.000                                          | 0.792                               | 0.890                                                    | 21957             | 3199                | 0.999                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.555                 | 0.027                              | 0.049                                          | 39.482                              | 6.283                                                    | 21957             | 13223               | 0.501                   | 0.609                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.448                 | 0.031                              | 0.069                                          | 11.018                              | 3.319                                                    | 16885             | 2815                | 0.386                   | 0.510                  |
| Birth registration                                                                          | 0.619                 | 0.028                              | 0.045                                          | 4.117                               | 2.029                                                    | 2167              | 1256                | 0.563                   | 0.675                  |

**Table SE.033:** Sampling errors: Dhaka Division: Gopalganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.448                 | 0.027                              | 0.060                                          | 8.170                               | 2.858                                                    | 2028              | 2756                | 0.393                   | 0.502                  |
| Skilled attendant at delivery                                                               | 0.213                 | 0.023                              | 0.107                                          | 1.561                               | 1.249                                                    | 381               | 509                 | 0.168                   | 0.259                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.318                 | 0.021                              | 0.065                                          | 1.329                               | 1.153                                                    | 527               | 683                 | 0.277                   | 0.359                  |
| Primary net intake rate                                                                     | 0.711                 | 0.032                              | 0.045                                          | 2.646                               | 1.627                                                    | 398               | 525                 | 0.646                   | 0.775                  |
| Net attendance rate in primary<br>education                                                 | 0.853                 | 0.015                              | 0.018                                          | 4.622                               | 2.150                                                    | 1819              | 2419                | 0.822                   | 0.884                  |
| Net attendance rate in<br>secondary education                                               | 0.519                 | 0.019                              | 0.037                                          | 3.226                               | 1.796                                                    | 1660              | 2198                | 0.481                   | 0.557                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.718                 | 0.025                              | 0.035                                          | 3.292                               | 1.815                                                    | 798               | 1070                | 0.668                   | 0.768                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.095                 | 0.011                              | 0.119                                          | 1.578                               | 1.256                                                    | 798               | 1070                | 0.073                   | 0.118                  |
| Use of an improved drinking<br>water source                                                 | 0.991                 | 0.003                              | 0.003                                          | 4.335                               | 2.082                                                    | 11617             | 3200                | 0.984                   | 0.998                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.735                 | 0.021                              | 0.028                                          | 33.703                              | 5.805                                                    | 11617             | 15529               | 0.693                   | 0.776                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.752                 | 0.022                              | 0.029                                          | 7.245                               | 2.692                                                    | 11144             | 2885                | 0.708                   | 0.795                  |
| Birth registration                                                                          | 0.587                 | 0.024                              | 0.042                                          | 3.863                               | 1.965                                                    | 1205              | 1575                | 0.538                   | 0.636                  |

**Table SE.034:** Sampling errors: Dhaka Division: Jamalpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.481                 | 0.021                              | 0.044                                          | 6.388                               | 2.527                                                    | 4656              | 3522                | 0.438                   | 0.523                  |
| Skilled attendant at delivery                                                               | 0.127                 | 0.018                              | 0.138                                          | 1.781                               | 1.334                                                    | 827               | 641                 | 0.092                   | 0.162                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.211                 | 0.018                              | 0.085                                          | 1.645                               | 1.283                                                    | 1129              | 861                 | 0.175                   | 0.247                  |
| Primary net intake rate                                                                     | 0.617                 | 0.024                              | 0.040                                          | 1.379                               | 1.174                                                    | 694               | 546                 | 0.568                   | 0.666                  |
| Net attendance rate in primary<br>education                                                 | 0.829                 | 0.012                              | 0.015                                          | 2.723                               | 1.650                                                    | 3348              | 2593                | 0.804                   | 0.853                  |
| Net attendance rate in<br>secondary education                                               | 0.507                 | 0.017                              | 0.034                                          | 2.857                               | 1.690                                                    | 3228              | 2395                | 0.473                   | 0.542                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.620                 | 0.020                              | 0.032                                          | 2.284                               | 1.511                                                    | 1832              | 1364                | 0.581                   | 0.660                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.181                 | 0.019                              | 0.104                                          | 3.293                               | 1.815                                                    | 1832              | 1364                | 0.144                   | 0.219                  |
| Use of an improved drinking<br>water source                                                 | 0.996                 | 0.001                              | 0.001                                          | 0.978                               | 0.989                                                    | 23810             | 4238                | 0.994                   | 0.998                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.341                 | 0.018                              | 0.052                                          | 25.474                              | 5.047                                                    | 23810             | 17957               | 0.305                   | 0.376                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.395                 | 0.019                              | 0.049                                          | 6.650                               | 2.579                                                    | 23605             | 4200                | 0.356                   | 0.433                  |
| Birth registration                                                                          | 0.504                 | 0.020                              | 0.040                                          | 3.232                               | 1.798                                                    | 2550              | 1944                | 0.463                   | 0.545                  |

**Table SE.035:** Sampling errors: Dhaka Division: Kishorganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.594                 | 0.015                              | 0.025                                          | 5.447                               | 2.334                                                    | 4969              | 5974                | 0.564                   | 0.624                  |
| Skilled attendant at delivery                                                         | 0.137                 | 0.012                              | 0.084                                          | 1.549                               | 1.245                                                    | 1133              | 1376                | 0.114                   | 0.160                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.275                 | 0.015                              | 0.053                                          | 1.997                               | 1.413                                                    | 1563              | 1873                | 0.246                   | 0.304                  |
| Primary net intake rate                                                               | 0.610                 | 0.018                              | 0.029                                          | 1.758                               | 1.326                                                    | 1093              | 1355                | 0.574                   | 0.645                  |
| Net attendance rate in primary education                                              | 0.790                 | 0.009                              | 0.011                                          | 2.971                               | 1.724                                                    | 4962              | 6070                | 0.772                   | 0.808                  |
| Net attendance rate in secondary education                                            | 0.409                 | 0.012                              | 0.030                                          | 2.999                               | 1.732                                                    | 4080              | 4908                | 0.385                   | 0.434                  |
| Literacy rate of women aged 15-24 years                                               | 0.638                 | 0.015                              | 0.023                                          | 2.430                               | 1.559                                                    | 2171              | 2631                | 0.609                   | 0.667                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.102                 | 0.013                              | 0.128                                          | 4.880                               | 2.209                                                    | 2171              | 2631                | 0.076                   | 0.128                  |
| Use of an improved drinking water source                                              | 0.997                 | 0.002                              | 0.002                                          | 6.301                               | 2.510                                                    | 29925             | 7358                | 0.994                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.138                 | 0.009                              | 0.068                                          | 27.036                              | 5.200                                                    | 29925             | 36096               | 0.120                   | 0.157                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.689                 | 0.015                              | 0.021                                          | 7.391                               | 2.719                                                    | 29534             | 7281                | 0.660                   | 0.719                  |
| Birth registration                                                                    | 0.560                 | 0.015                              | 0.027                                          | 3.900                               | 1.975                                                    | 3538              | 4233                | 0.530                   | 0.590                  |



**Table SE.036:** Sampling errors: Dhaka Division: Madaripur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.583                 | 0.027                              | 0.046                                          | 6.894                               | 2.626                                                    | 2169              | 2282                | 0.529                   | 0.637                  |
| Skilled attendant at delivery                                                         | 0.204                 | 0.023                              | 0.112                                          | 1.238                               | 1.113                                                    | 369               | 384                 | 0.158                   | 0.249                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.259                 | 0.026                              | 0.099                                          | 2.070                               | 1.439                                                    | 594               | 608                 | 0.208                   | 0.311                  |
| Primary net intake rate                                                               | 0.651                 | 0.030                              | 0.046                                          | 1.580                               | 1.257                                                    | 389               | 396                 | 0.591                   | 0.711                  |
| Net attendance rate in primary education                                              | 0.818                 | 0.017                              | 0.020                                          | 3.685                               | 1.920                                                    | 1918              | 1966                | 0.784                   | 0.851                  |
| Net attendance rate in secondary education                                            | 0.430                 | 0.019                              | 0.044                                          | 2.977                               | 1.725                                                    | 1982              | 2036                | 0.392                   | 0.467                  |
| Literacy rate of women aged 15-24 years                                               | 0.698                 | 0.023                              | 0.033                                          | 2.334                               | 1.528                                                    | 906               | 946                 | 0.652                   | 0.743                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.114                 | 0.015                              | 0.134                                          | 2.183                               | 1.478                                                    | 906               | 946                 | 0.083                   | 0.144                  |
| Use of an improved drinking water source                                              | 0.997                 | 0.001                              | 0.001                                          | 1.818                               | 1.348                                                    | 12549             | 2678                | 0.995                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.765                 | 0.023                              | 0.030                                          | 38.509                              | 6.206                                                    | 12549             | 12962               | 0.719                   | 0.811                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.693                 | 0.024                              | 0.035                                          | 7.258                               | 2.694                                                    | 12426             | 2635                | 0.644                   | 0.741                  |
| Birth registration                                                                    | 0.408                 | 0.029                              | 0.072                                          | 4.671                               | 2.161                                                    | 1293              | 1318                | 0.350                   | 0.467                  |

**Table SE.037:** Sampling errors: Dhaka Division: Manikganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.689                 | 0.019                              | 0.027                                          | 6.015                               | 2.453                                                    | 2705              | 3624                | 0.651                   | 0.726                  |
| Skilled attendant at delivery                                                               | 0.226                 | 0.023                              | 0.100                                          | 1.780                               | 1.334                                                    | 463               | 609                 | 0.181                   | 0.272                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.219                 | 0.020                              | 0.093                                          | 1.649                               | 1.284                                                    | 524               | 688                 | 0.178                   | 0.259                  |
| Primary net intake rate                                                                     | 0.631                 | 0.025                              | 0.039                                          | 1.244                               | 1.115                                                    | 366               | 472                 | 0.581                   | 0.680                  |
| Net attendance rate in primary<br>education                                                 | 0.824                 | 0.013                              | 0.016                                          | 2.780                               | 1.667                                                    | 1766              | 2311                | 0.798                   | 0.850                  |
| Net attendance rate in<br>secondary education                                               | 0.542                 | 0.016                              | 0.030                                          | 2.375                               | 1.541                                                    | 1719              | 2249                | 0.510                   | 0.575                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.753                 | 0.016                              | 0.021                                          | 1.965                               | 1.402                                                    | 1060              | 1424                | 0.721                   | 0.785                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.184                 | 0.018                              | 0.099                                          | 3.140                               | 1.772                                                    | 1060              | 1424                | 0.147                   | 0.220                  |
| Use of an improved drinking<br>water source                                                 | 0.998                 | 0.001                              | 0.001                                          | 1.463                               | 1.210                                                    | 14017             | 4239                | 0.997                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.695                 | 0.017                              | 0.024                                          | 24.038                              | 4.903                                                    | 14017             | 18484               | 0.662                   | 0.729                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.678                 | 0.017                              | 0.025                                          | 4.969                               | 2.229                                                    | 13327             | 3922                | 0.645                   | 0.712                  |
| Birth registration                                                                          | 0.377                 | 0.022                              | 0.059                                          | 3.530                               | 1.879                                                    | 1291              | 1676                | 0.333                   | 0.422                  |

**Table SE.038:** Sampling errors: Dhaka Division: Munshiganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.433                 | 0.024                              | 0.056                                          | 7.909                               | 2.812                                                    | 2463              | 3344                | 0.385                   | 0.481                  |
| Skilled attendant at delivery                                                         | 0.415                 | 0.026                              | 0.062                                          | 1.618                               | 1.272                                                    | 446               | 598                 | 0.364                   | 0.467                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.280                 | 0.025                              | 0.088                                          | 2.286                               | 1.512                                                    | 574               | 766                 | 0.231                   | 0.329                  |
| Primary net intake rate                                                               | 0.758                 | 0.031                              | 0.041                                          | 2.415                               | 1.554                                                    | 336               | 455                 | 0.695                   | 0.820                  |
| Net attendance rate in primary education                                              | 0.886                 | 0.014                              | 0.015                                          | 4.029                               | 2.007                                                    | 1616              | 2171                | 0.859                   | 0.914                  |
| Net attendance rate in secondary education                                            | 0.526                 | 0.016                              | 0.030                                          | 2.539                               | 1.593                                                    | 1891              | 2533                | 0.495                   | 0.558                  |
| Literacy rate of women aged 15-24 years                                               | 0.832                 | 0.012                              | 0.014                                          | 1.634                               | 1.278                                                    | 1173              | 1592                | 0.808                   | 0.856                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.182                 | 0.018                              | 0.097                                          | 3.330                               | 1.825                                                    | 1173              | 1592                | 0.147                   | 0.217                  |
| Use of an improved drinking water source                                              | 0.993                 | 0.004                              | 0.004                                          | 7.537                               | 2.745                                                    | 12802             | 3720                | 0.985                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.458                 | 0.019                              | 0.042                                          | 25.726                              | 5.072                                                    | 12802             | 17167               | 0.420                   | 0.497                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.845                 | 0.017                              | 0.020                                          | 7.492                               | 2.737                                                    | 12497             | 3591                | 0.811                   | 0.878                  |
| Birth registration                                                                    | 0.541                 | 0.023                              | 0.043                                          | 3.699                               | 1.923                                                    | 1314              | 1737                | 0.495                   | 0.587                  |

**Table SE.039:** Sampling errors: Dhaka Division: Mymensingh District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.509                 | 0.017                              | 0.033                                          | 6.105                               | 2.471                                                    | 8937              | 5500                | 0.476                   | 0.543                  |
| Skilled attendant at delivery                                                               | 0.137                 | 0.012                              | 0.088                                          | 1.265                               | 1.125                                                    | 1661              | 1037                | 0.113                   | 0.161                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.244                 | 0.015                              | 0.060                                          | 1.684                               | 1.298                                                    | 2383              | 1430                | 0.214                   | 0.273                  |
| Primary net intake rate                                                                     | 0.636                 | 0.020                              | 0.031                                          | 1.760                               | 1.327                                                    | 1747              | 1066                | 0.597                   | 0.675                  |
| Net attendance rate in primary<br>education                                                 | 0.813                 | 0.009                              | 0.010                                          | 2.334                               | 1.528                                                    | 8016              | 4898                | 0.796                   | 0.830                  |
| Net attendance rate in<br>secondary education                                               | 0.473                 | 0.012                              | 0.025                                          | 2.459                               | 1.568                                                    | 6907              | 4223                | 0.449                   | 0.497                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.655                 | 0.012                              | 0.018                                          | 1.579                               | 1.257                                                    | 4015              | 2474                | 0.631                   | 0.679                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.198                 | 0.015                              | 0.078                                          | 3.674                               | 1.917                                                    | 4015              | 2474                | 0.167                   | 0.228                  |
| Use of an improved drinking<br>water source                                                 | 0.995                 | 0.002                              | 0.002                                          | 7.203                               | 2.684                                                    | 49925             | 6836                | 0.991                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.486                 | 0.014                              | 0.029                                          | 23.569                              | 4.855                                                    | 49925             | 30462               | 0.458                   | 0.514                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.499                 | 0.013                              | 0.027                                          | 4.718                               | 2.172                                                    | 49018             | 6724                | 0.472                   | 0.525                  |
| Birth registration                                                                          | 0.520                 | 0.017                              | 0.033                                          | 3.759                               | 1.939                                                    | 5409              | 3262                | 0.486                   | 0.554                  |

**Table SE.040:** Sampling errors: Dhaka Division: Narayanganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.318                 | 0.019                              | 0.060                                          | 4.647                               | 2.156                                                    | 4698              | 2784                | 0.279                   | 0.356                  |
| Skilled attendant at delivery                                                               | 0.393                 | 0.033                              | 0.083                                          | 2.186                               | 1.478                                                    | 817               | 493                 | 0.328                   | 0.458                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.251                 | 0.025                              | 0.098                                          | 2.081                               | 1.442                                                    | 1037              | 648                 | 0.202                   | 0.300                  |
| Primary net intake rate                                                                     | 0.646                 | 0.035                              | 0.054                                          | 2.133                               | 1.461                                                    | 692               | 401                 | 0.576                   | 0.716                  |
| Net attendance rate in primary<br>education                                                 | 0.817                 | 0.016                              | 0.020                                          | 3.245                               | 1.801                                                    | 3231              | 1905                | 0.785                   | 0.849                  |
| Net attendance rate in<br>secondary education                                               | 0.450                 | 0.021                              | 0.048                                          | 3.712                               | 1.927                                                    | 3321              | 1994                | 0.407                   | 0.493                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.742                 | 0.021                              | 0.028                                          | 3.040                               | 1.744                                                    | 2299              | 1310                | 0.700                   | 0.784                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.150                 | 0.018                              | 0.121                                          | 3.383                               | 1.839                                                    | 2299              | 1310                | 0.114                   | 0.186                  |
| Use of an improved drinking<br>water source                                                 | 0.995                 | 0.002                              | 0.002                                          | 2.507                               | 1.583                                                    | 24275             | 3200                | 0.991                   | 0.999                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.351                 | 0.029                              | 0.082                                          | 51.324                              | 7.164                                                    | 24275             | 14176               | 0.293                   | 0.408                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.426                 | 0.021                              | 0.050                                          | 5.081                               | 2.254                                                    | 18437             | 2734                | 0.383                   | 0.469                  |
| Birth registration                                                                          | 0.452                 | 0.021                              | 0.048                                          | 2.699                               | 1.643                                                    | 2430              | 1448                | 0.409                   | 0.495                  |

**Table SE.041:** Sampling errors: Dhaka Division: Narsingdi District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.521                 | 0.023                              | 0.044                                          | 6.862                               | 2.619                                                    | 3704              | 3247                | 0.475                   | 0.567                  |
| Skilled attendant at delivery                                                               | 0.178                 | 0.017                              | 0.094                                          | 1.260                               | 1.122                                                    | 766               | 655                 | 0.144                   | 0.211                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.303                 | 0.018                              | 0.061                                          | 1.351                               | 1.163                                                    | 1003              | 842                 | 0.266                   | 0.340                  |
| Primary net intake rate                                                                     | 0.608                 | 0.027                              | 0.045                                          | 1.864                               | 1.365                                                    | 679               | 594                 | 0.553                   | 0.663                  |
| Net attendance rate in primary<br>education                                                 | 0.770                 | 0.020                              | 0.026                                          | 5.912                               | 2.431                                                    | 3095              | 2637                | 0.730                   | 0.810                  |
| Net attendance rate in<br>secondary education                                               | 0.476                 | 0.019                              | 0.039                                          | 3.513                               | 1.874                                                    | 2918              | 2519                | 0.439                   | 0.513                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.727                 | 0.017                              | 0.024                                          | 2.236                               | 1.495                                                    | 1658              | 1485                | 0.692                   | 0.761                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.106                 | 0.014                              | 0.130                                          | 2.976                               | 1.725                                                    | 1658              | 1485                | 0.079                   | 0.134                  |
| Use of an improved drinking<br>water source                                                 | 0.995                 | 0.002                              | 0.002                                          | 3.085                               | 1.757                                                    | 20113             | 3720                | 0.991                   | 0.999                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.366                 | 0.018                              | 0.048                                          | 23.374                              | 4.835                                                    | 20113             | 17496               | 0.331                   | 0.401                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.734                 | 0.021                              | 0.029                                          | 8.089                               | 2.844                                                    | 19584             | 3599                | 0.692                   | 0.776                  |
| Birth registration                                                                          | 0.580                 | 0.028                              | 0.049                                          | 6.336                               | 2.517                                                    | 2287              | 1910                | 0.523                   | 0.637                  |

**Table SE.042:** Sampling errors: Dhaka Division: Netrakona District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.598                 | 0.020                              | 0.033                                          | 7.555                               | 2.749                                                    | 3698              | 4635                | 0.558                   | 0.637                  |
| Skilled attendant at delivery                                                               | 0.100                 | 0.012                              | 0.116                                          | 1.401                               | 1.184                                                    | 708               | 934                 | 0.077                   | 0.124                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.201                 | 0.015                              | 0.073                                          | 1.853                               | 1.361                                                    | 1110              | 1383                | 0.171                   | 0.230                  |
| Primary net intake rate                                                                     | 0.630                 | 0.020                              | 0.032                                          | 1.593                               | 1.262                                                    | 743               | 920                 | 0.590                   | 0.670                  |
| Net attendance rate in primary<br>education                                                 | 0.771                 | 0.010                              | 0.013                                          | 2.596                               | 1.611                                                    | 3608              | 4432                | 0.751                   | 0.792                  |
| Net attendance rate in<br>secondary education                                               | 0.399                 | 0.013                              | 0.034                                          | 2.802                               | 1.674                                                    | 3036              | 3754                | 0.373                   | 0.426                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.614                 | 0.015                              | 0.025                                          | 1.867                               | 1.366                                                    | 1466              | 1867                | 0.583                   | 0.645                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.115                 | 0.013                              | 0.113                                          | 3.064                               | 1.750                                                    | 1466              | 1867                | 0.089                   | 0.140                  |
| Use of an improved drinking<br>water source                                                 | 0.990                 | 0.004                              | 0.004                                          | 9.345                               | 3.057                                                    | 21810             | 5800                | 0.982                   | 0.998                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.244                 | 0.013                              | 0.055                                          | 26.906                              | 5.187                                                    | 21810             | 27348               | 0.217                   | 0.271                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.518                 | 0.017                              | 0.033                                          | 6.704                               | 2.589                                                    | 21043             | 5610                | 0.484                   | 0.553                  |
| Birth registration                                                                          | 0.468                 | 0.019                              | 0.041                                          | 4.392                               | 2.096                                                    | 2390              | 3026                | 0.430                   | 0.506                  |

**Table SE.043:** Sampling errors: Dhaka Division: Rajbari District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.293                 | 0.025                              | 0.086                                          | 7.235                               | 2.690                                                    | 1862              | 2357                | 0.242                   | 0.343                  |
| Skilled attendant at delivery                                                               | 0.248                 | 0.020                              | 0.080                                          | 0.906                               | 0.952                                                    | 332               | 429                 | 0.209                   | 0.288                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.203                 | 0.026                              | 0.126                                          | 2.009                               | 1.418                                                    | 409               | 500                 | 0.152                   | 0.254                  |
| Primary net intake rate                                                                     | 0.624                 | 0.031                              | 0.050                                          | 1.275                               | 1.129                                                    | 256               | 312                 | 0.562                   | 0.686                  |
| Net attendance rate in primary<br>education                                                 | 0.823                 | 0.014                              | 0.017                                          | 2.158                               | 1.469                                                    | 1305              | 1604                | 0.795                   | 0.851                  |
| Net attendance rate in<br>secondary education                                               | 0.549                 | 0.019                              | 0.035                                          | 2.577                               | 1.605                                                    | 1373              | 1723                | 0.511                   | 0.588                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.715                 | 0.016                              | 0.023                                          | 1.430                               | 1.196                                                    | 803               | 1081                | 0.682                   | 0.748                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.083                 | 0.017                              | 0.201                                          | 3.952                               | 1.988                                                    | 803               | 1081                | 0.050                   | 0.116                  |
| Use of an improved drinking<br>water source                                                 | 0.998                 | 0.001                              | 0.001                                          | 1.953                               | 1.398                                                    | 9844              | 2680                | 0.996                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.778                 | 0.020                              | 0.025                                          | 27.980                              | 5.290                                                    | 9844              | 12329               | 0.738                   | 0.817                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.623                 | 0.020                              | 0.032                                          | 4.558                               | 2.135                                                    | 9745              | 2641                | 0.582                   | 0.663                  |
| Birth registration                                                                          | 0.512                 | 0.022                              | 0.043                                          | 2.352                               | 1.534                                                    | 1003              | 1235                | 0.469                   | 0.556                  |



**Table SE.044:** Sampling errors: Dhaka Division: Shariatpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.437                 | 0.019                              | 0.044                                          | 4.607                               | 2.147                                                    | 1952              | 3030                | 0.398                   | 0.475                  |
| Skilled attendant at delivery                                                               | 0.200                 | 0.021                              | 0.107                                          | 1.652                               | 1.285                                                    | 378               | 578                 | 0.157                   | 0.243                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.403                 | 0.020                              | 0.050                                          | 1.415                               | 1.189                                                    | 553               | 845                 | 0.363                   | 0.444                  |
| Primary net intake rate                                                                     | 0.681                 | 0.026                              | 0.039                                          | 1.867                               | 1.366                                                    | 377               | 580                 | 0.628                   | 0.734                  |
| Net attendance rate in primary<br>education                                                 | 0.835                 | 0.012                              | 0.014                                          | 2.817                               | 1.678                                                    | 1847              | 2794                | 0.811                   | 0.859                  |
| Net attendance rate in<br>secondary education                                               | 0.395                 | 0.014                              | 0.034                                          | 2.291                               | 1.513                                                    | 1994              | 2994                | 0.368                   | 0.422                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.752                 | 0.015                              | 0.020                                          | 1.886                               | 1.373                                                    | 971               | 1481                | 0.721                   | 0.783                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.128                 | 0.016                              | 0.121                                          | 3.208                               | 1.791                                                    | 971               | 1481                | 0.097                   | 0.160                  |
| Use of an improved drinking<br>water source                                                 | 0.993                 | 0.002                              | 0.002                                          | 3.128                               | 1.769                                                    | 12144             | 3718                | 0.988                   | 0.998                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.655                 | 0.020                              | 0.030                                          | 31.927                              | 5.650                                                    | 12144             | 18477               | 0.616                   | 0.695                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.731                 | 0.018                              | 0.025                                          | 6.176                               | 2.485                                                    | 12001             | 3672                | 0.695                   | 0.768                  |
| Birth registration                                                                          | 0.497                 | 0.020                              | 0.040                                          | 2.893                               | 1.701                                                    | 1229              | 1868                | 0.458                   | 0.537                  |

**Table SE.045:** Sampling errors: Dhaka Division: Sherpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.526                 | 0.027                              | 0.051                                          | 7.593                               | 2.756                                                    | 2636              | 2598                | 0.472                   | 0.580                  |
| Skilled attendant at delivery                                                               | 0.138                 | 0.017                              | 0.124                                          | 1.282                               | 1.132                                                    | 547               | 522                 | 0.103                   | 0.172                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.218                 | 0.021                              | 0.096                                          | 1.825                               | 1.351                                                    | 751               | 716                 | 0.176                   | 0.259                  |
| Primary net intake rate                                                                     | 0.620                 | 0.031                              | 0.050                                          | 1.771                               | 1.331                                                    | 434               | 427                 | 0.557                   | 0.683                  |
| Net attendance rate in primary<br>education                                                 | 0.775                 | 0.017                              | 0.022                                          | 3.321                               | 1.822                                                    | 2078              | 1981                | 0.741                   | 0.809                  |
| Net attendance rate in<br>secondary education                                               | 0.413                 | 0.021                              | 0.051                                          | 3.097                               | 1.760                                                    | 1773              | 1694                | 0.371                   | 0.455                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.569                 | 0.023                              | 0.041                                          | 2.230                               | 1.493                                                    | 1030              | 1031                | 0.523                   | 0.615                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.085                 | 0.014                              | 0.163                                          | 2.572                               | 1.604                                                    | 1030              | 1031                | 0.058                   | 0.113                  |
| Use of an improved drinking<br>water source                                                 | 0.985                 | 0.010                              | 0.010                                          | 22.364                              | 4.729                                                    | 13829             | 3200                | 0.964                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.458                 | 0.024                              | 0.053                                          | 31.445                              | 5.608                                                    | 13829             | 13264               | 0.410                   | 0.507                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.672                 | 0.019                              | 0.028                                          | 5.036                               | 2.244                                                    | 13561             | 3149                | 0.634                   | 0.709                  |
| Birth registration                                                                          | 0.481                 | 0.021                              | 0.043                                          | 2.747                               | 1.657                                                    | 1657              | 1574                | 0.440                   | 0.523                  |

**Table SE.046:** Sampling errors: Dhaka Division: Tangail District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.493                 | 0.017                              | 0.034                                          | 6.398                               | 2.529                                                    | 7213              | 5810                | 0.460                   | 0.526                  |
| Skilled attendant at delivery                                                               | 0.186                 | 0.015                              | 0.079                                          | 1.463                               | 1.210                                                    | 1242              | 1016                | 0.157                   | 0.216                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.190                 | 0.017                              | 0.089                                          | 2.083                               | 1.443                                                    | 1425              | 1124                | 0.156                   | 0.224                  |
| Primary net intake rate                                                                     | 0.727                 | 0.018                              | 0.025                                          | 1.249                               | 1.118                                                    | 978               | 769                 | 0.691                   | 0.763                  |
| Net attendance rate in primary<br>education                                                 | 0.853                 | 0.009                              | 0.011                                          | 2.587                               | 1.608                                                    | 4598              | 3665                | 0.834                   | 0.872                  |
| Net attendance rate in<br>secondary education                                               | 0.559                 | 0.013                              | 0.023                                          | 2.195                               | 1.482                                                    | 4314              | 3409                | 0.533                   | 0.584                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.694                 | 0.014                              | 0.020                                          | 2.039                               | 1.428                                                    | 2906              | 2336                | 0.667                   | 0.722                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.164                 | 0.013                              | 0.081                                          | 3.029                               | 1.740                                                    | 2906              | 2336                | 0.138                   | 0.191                  |
| Use of an improved drinking<br>water source                                                 | 0.999                 | 0.000                              | 0.000                                          | 1.144                               | 1.069                                                    | 35589             | 6830                | 0.998                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.521                 | 0.013                              | 0.025                                          | 19.662                              | 4.434                                                    | 35589             | 28326               | 0.495                   | 0.547                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.360                 | 0.011                              | 0.030                                          | 3.321                               | 1.822                                                    | 34961             | 6708                | 0.339                   | 0.381                  |
| Birth registration                                                                          | 0.368                 | 0.015                              | 0.041                                          | 2.707                               | 1.645                                                    | 3491              | 2769                | 0.338                   | 0.398                  |

**Table SE.047:** Sampling errors: Khulna Division: Bagerhat District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.535                 | 0.019                              | 0.035                                          | 6.247                               | 2.499                                                    | 2807              | 4339                | 0.497                   | 0.573                  |
| Skilled attendant at delivery                                                               | 0.240                 | 0.017                              | 0.072                                          | 1.227                               | 1.108                                                    | 482               | 752                 | 0.206                   | 0.275                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.357                 | 0.022                              | 0.060                                          | 1.760                               | 1.327                                                    | 571               | 870                 | 0.314                   | 0.400                  |
| Primary net intake rate                                                                     | 0.802                 | 0.024                              | 0.030                                          | 2.219                               | 1.489                                                    | 391               | 598                 | 0.753                   | 0.851                  |
| Net attendance rate in primary<br>education                                                 | 0.894                 | 0.010                              | 0.011                                          | 3.077                               | 1.754                                                    | 1939              | 2963                | 0.875                   | 0.914                  |
| Net attendance rate in<br>secondary education                                               | 0.584                 | 0.015                              | 0.026                                          | 2.898                               | 1.702                                                    | 2057              | 3168                | 0.554                   | 0.614                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.837                 | 0.010                              | 0.012                                          | 1.411                               | 1.188                                                    | 1187              | 1848                | 0.817                   | 0.858                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.254                 | 0.017                              | 0.068                                          | 2.877                               | 1.696                                                    | 1187              | 1848                | 0.220                   | 0.288                  |
| Use of an improved drinking<br>water source                                                 | 0.748                 | 0.021                              | 0.029                                          | 12.741                              | 3.569                                                    | 15083             | 5280                | 0.705                   | 0.790                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.675                 | 0.018                              | 0.026                                          | 32.824                              | 5.729                                                    | 15083             | 23182               | 0.640                   | 0.710                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.780                 | 0.018                              | 0.023                                          | 5.554                               | 2.357                                                    | 8703              | 2957                | 0.744                   | 0.816                  |
| Birth registration                                                                          | 0.658                 | 0.019                              | 0.028                                          | 3.131                               | 1.769                                                    | 1348              | 2057                | 0.621                   | 0.695                  |

**Table SE.048:** Sampling errors: Khulna Division: Chuadanga DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.430                 | 0.029                              | 0.067                                          | 7.987                               | 2.826                                                    | 2323              | 2332                | 0.372                   | 0.488                 |
| Skilled attendant at delivery                                                         | 0.433                 | 0.031                              | 0.071                                          | 1.414                               | 1.189                                                    | 361               | 367                 | 0.372                   | 0.495                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.248                 | 0.030                              | 0.120                                          | 1.876                               | 1.370                                                    | 406               | 396                 | 0.188                   | 0.307                 |
| Primary net intake rate                                                               | 0.576                 | 0.031                              | 0.055                                          | 1.202                               | 1.097                                                    | 281               | 298                 | 0.513                   | 0.639                 |
| Net attendance rate in primary education                                              | 0.810                 | 0.015                              | 0.018                                          | 1.893                               | 1.376                                                    | 1278              | 1310                | 0.780                   | 0.839                 |
| Net attendance rate in secondary education                                            | 0.514                 | 0.019                              | 0.037                                          | 2.057                               | 1.434                                                    | 1416              | 1435                | 0.476                   | 0.552                 |
| Literacy rate of women aged 15-24 years                                               | 0.737                 | 0.018                              | 0.024                                          | 1.572                               | 1.254                                                    | 955               | 968                 | 0.702                   | 0.773                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.154                 | 0.024                              | 0.157                                          | 4.310                               | 2.076                                                    | 955               | 968                 | 0.106                   | 0.202                 |
| Use of an improved drinking water source                                              | 0.997                 | 0.002                              | 0.002                                          | 2.783                               | 1.668                                                    | 10778             | 2668                | 0.994                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.262                 | 0.024                              | 0.090                                          | 31.333                              | 5.598                                                    | 10778             | 10864               | 0.214                   | 0.309                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.731                 | 0.019                              | 0.026                                          | 4.574                               | 2.139                                                    | 10301             | 2518                | 0.693                   | 0.769                 |
| Birth registration                                                                    | 0.529                 | 0.023                              | 0.043                                          | 2.004                               | 1.415                                                    | 996               | 980                 | 0.484                   | 0.574                 |

**Table SE.049:** Sampling errors: Khulna Division: Jessore District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.483                 | 0.020                              | 0.042                                          | 6.735                               | 2.595                                                    | 5340              | 4179                | 0.443                   | 0.523                  |
| Skilled attendant at delivery                                                               | 0.289                 | 0.020                              | 0.070                                          | 1.344                               | 1.159                                                    | 856               | 672                 | 0.249                   | 0.330                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.255                 | 0.018                              | 0.071                                          | 1.446                               | 1.202                                                    | 1102              | 852                 | 0.219                   | 0.291                  |
| Primary net intake rate                                                                     | 0.820                 | 0.020                              | 0.025                                          | 1.394                               | 1.181                                                    | 648               | 494                 | 0.779                   | 0.861                  |
| Net attendance rate in primary<br>education                                                 | 0.906                 | 0.007                              | 0.008                                          | 1.574                               | 1.254                                                    | 3075              | 2387                | 0.891                   | 0.921                  |
| Net attendance rate in<br>secondary education                                               | 0.617                 | 0.014                              | 0.022                                          | 2.144                               | 1.464                                                    | 3493              | 2694                | 0.589                   | 0.644                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.823                 | 0.013                              | 0.015                                          | 1.921                               | 1.386                                                    | 2261              | 1779                | 0.798                   | 0.848                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.182                 | 0.016                              | 0.088                                          | 3.085                               | 1.756                                                    | 2261              | 1779                | 0.150                   | 0.214                  |
| Use of an improved drinking<br>water source                                                 | 0.999                 | 0.000                              | 0.000                                          | 1.114                               | 1.055                                                    | 25424             | 4758                | 0.999                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.547                 | 0.018                              | 0.032                                          | 24.500                              | 4.950                                                    | 25424             | 19794               | 0.512                   | 0.582                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.822                 | 0.011                              | 0.013                                          | 3.614                               | 1.901                                                    | 25237             | 4728                | 0.801                   | 0.843                  |
| Birth registration                                                                          | 0.632                 | 0.019                              | 0.030                                          | 3.051                               | 1.747                                                    | 2503              | 1927                | 0.593                   | 0.670                  |

**Table SE.050:** Sampling errors: Khulna Division: Jhenaidah District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.377                 | 0.020                              | 0.052                                          | 5.479                               | 2.341                                                    | 3495              | 3330                | 0.338                   | 0.417                  |
| Skilled attendant at delivery                                                         | 0.383                 | 0.020                              | 0.052                                          | 0.974                               | 0.987                                                    | 610               | 577                 | 0.343                   | 0.423                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.280                 | 0.020                              | 0.071                                          | 1.316                               | 1.147                                                    | 727               | 673                 | 0.240                   | 0.320                  |
| Primary net intake rate                                                               | 0.735                 | 0.024                              | 0.033                                          | 1.395                               | 1.181                                                    | 506               | 460                 | 0.686                   | 0.784                  |
| Net attendance rate in primary education                                              | 0.882                 | 0.009                              | 0.010                                          | 1.554                               | 1.246                                                    | 2119              | 1974                | 0.864                   | 0.900                  |
| Net attendance rate in secondary education                                            | 0.601                 | 0.014                              | 0.023                                          | 1.695                               | 1.302                                                    | 2256              | 2107                | 0.573                   | 0.629                  |
| Literacy rate of women aged 15-24 years                                               | 0.788                 | 0.013                              | 0.016                                          | 1.308                               | 1.144                                                    | 1403              | 1329                | 0.762                   | 0.813                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.156                 | 0.015                              | 0.096                                          | 2.251                               | 1.500                                                    | 1403              | 1329                | 0.126                   | 0.186                  |
| Use of an improved drinking water source                                              | 0.998                 | 0.001                              | 0.001                                          | 1.856                               | 1.362                                                    | 16683             | 3720                | 0.995                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.509                 | 0.020                              | 0.040                                          | 25.882                              | 5.087                                                    | 16683             | 15608               | 0.468                   | 0.549                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.771                 | 0.015                              | 0.020                                          | 4.754                               | 2.180                                                    | 16297             | 3615                | 0.740                   | 0.801                  |
| Birth registration                                                                    | 0.677                 | 0.018                              | 0.027                                          | 2.366                               | 1.538                                                    | 1697              | 1563                | 0.640                   | 0.713                  |

**Table SE.051:** Sampling errors: Khulna Division: Khulna District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.543                 | 0.019                              | 0.034                                          | 8.667                               | 2.944                                                    | 4835              | 6262                | 0.506                   | 0.581                  |
| Skilled attendant at delivery                                                         | 0.308                 | 0.021                              | 0.067                                          | 1.939                               | 1.392                                                    | 743               | 969                 | 0.267                   | 0.350                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.277                 | 0.021                              | 0.074                                          | 2.495                               | 1.579                                                    | 911               | 1175                | 0.236                   | 0.318                  |
| Primary net intake rate                                                               | 0.775                 | 0.019                              | 0.025                                          | 1.561                               | 1.249                                                    | 558               | 742                 | 0.736                   | 0.813                  |
| Net attendance rate in primary education                                              | 0.875                 | 0.008                              | 0.009                                          | 2.003                               | 1.415                                                    | 2784              | 3683                | 0.860                   | 0.891                  |
| Net attendance rate in secondary education                                            | 0.606                 | 0.012                              | 0.020                                          | 2.725                               | 1.651                                                    | 3349              | 4323                | 0.581                   | 0.630                  |
| Literacy rate of women aged 15-24 years                                               | 0.775                 | 0.012                              | 0.015                                          | 2.170                               | 1.473                                                    | 2123              | 2725                | 0.751                   | 0.798                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.227                 | 0.013                              | 0.056                                          | 2.525                               | 1.589                                                    | 2123              | 2725                | 0.201                   | 0.252                  |
| Use of an improved drinking water source                                              | 0.897                 | 0.013                              | 0.014                                          | 12.220                              | 3.496                                                    | 23994             | 7074                | 0.871                   | 0.922                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.600                 | 0.016                              | 0.027                                          | 34.882                              | 5.906                                                    | 23994             | 31007               | 0.568                   | 0.633                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.737                 | 0.015                              | 0.021                                          | 7.221                               | 2.687                                                    | 20331             | 6049                | 0.706                   | 0.767                  |
| Birth registration                                                                    | 0.663                 | 0.015                              | 0.023                                          | 2.879                               | 1.697                                                    | 2088              | 2682                | 0.632                   | 0.694                  |



**Table SE.052:** Sampling errors: Khulna Division: Kushtia District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.382                 | 0.022                              | 0.058                                          | 6.647                               | 2.578                                                    | 3820              | 3158                | 0.337                   | 0.426                  |
| Skilled attendant at delivery                                                         | 0.314                 | 0.023                              | 0.072                                          | 1.319                               | 1.148                                                    | 667               | 560                 | 0.269                   | 0.360                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.195                 | 0.021                              | 0.110                                          | 1.894                               | 1.376                                                    | 773               | 650                 | 0.153                   | 0.238                  |
| Primary net intake rate                                                               | 0.625                 | 0.033                              | 0.052                                          | 1.933                               | 1.390                                                    | 528               | 429                 | 0.560                   | 0.690                  |
| Net attendance rate in primary education                                              | 0.821                 | 0.016                              | 0.019                                          | 3.242                               | 1.800                                                    | 2402              | 1933                | 0.790                   | 0.852                  |
| Net attendance rate in secondary education                                            | 0.532                 | 0.020                              | 0.037                                          | 3.033                               | 1.741                                                    | 2412              | 1969                | 0.493                   | 0.571                  |
| Literacy rate of women aged 15-24 years                                               | 0.711                 | 0.020                              | 0.028                                          | 2.448                               | 1.565                                                    | 1444              | 1240                | 0.671                   | 0.752                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.223                 | 0.023                              | 0.102                                          | 3.713                               | 1.927                                                    | 1444              | 1240                | 0.178                   | 0.269                  |
| Use of an improved drinking water source                                              | 0.995                 | 0.002                              | 0.002                                          | 2.069                               | 1.439                                                    | 18733             | 3720                | 0.992                   | 0.999                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.527                 | 0.024                              | 0.045                                          | 34.642                              | 5.886                                                    | 18733             | 15386               | 0.479                   | 0.574                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.738                 | 0.018                              | 0.024                                          | 5.982                               | 2.446                                                    | 18344             | 3603                | 0.702                   | 0.774                  |
| Birth registration                                                                    | 0.405                 | 0.023                              | 0.057                                          | 3.398                               | 1.843                                                    | 1821              | 1524                | 0.359                   | 0.452                  |

**Table SE.053:** Sampling errors: Khulna Division: Magura District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.544                 | 0.030                              | 0.056                                          | 9.291                               | 3.048                                                    | 1790              | 2508                | 0.484                   | 0.605                  |
| Skilled attendant at delivery                                                               | 0.169                 | 0.018                              | 0.105                                          | 0.917                               | 0.958                                                    | 289               | 410                 | 0.134                   | 0.205                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.189                 | 0.024                              | 0.128                                          | 2.173                               | 1.474                                                    | 423               | 567                 | 0.141                   | 0.238                  |
| Primary net intake rate                                                                     | 0.746                 | 0.031                              | 0.042                                          | 1.717                               | 1.310                                                    | 246               | 331                 | 0.683                   | 0.809                  |
| Net attendance rate in primary<br>education                                                 | 0.888                 | 0.010                              | 0.011                                          | 1.586                               | 1.260                                                    | 1238              | 1662                | 0.869                   | 0.908                  |
| Net attendance rate in<br>secondary education                                               | 0.610                 | 0.020                              | 0.033                                          | 2.764                               | 1.663                                                    | 1168              | 1617                | 0.570                   | 0.650                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.736                 | 0.027                              | 0.036                                          | 3.711                               | 1.926                                                    | 718               | 1007                | 0.683                   | 0.790                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.165                 | 0.021                              | 0.129                                          | 3.318                               | 1.822                                                    | 718               | 1007                | 0.122                   | 0.207                  |
| Use of an improved drinking<br>water source                                                 | 0.999                 | 0.001                              | 0.001                                          | 1.257                               | 1.121                                                    | 8731              | 2680                | 0.998                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.476                 | 0.022                              | 0.046                                          | 23.426                              | 4.840                                                    | 8731              | 12024               | 0.432                   | 0.520                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.787                 | 0.017                              | 0.021                                          | 4.450                               | 2.110                                                    | 8688              | 2656                | 0.753                   | 0.820                  |
| Birth registration                                                                          | 0.645                 | 0.022                              | 0.034                                          | 2.629                               | 1.621                                                    | 921               | 1245                | 0.601                   | 0.689                  |

**Table SE.054:** Sampling errors: Khulna Division: Meherpur DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.471                 | 0.042                              | 0.090                                          | 13.654                              | 3.695                                                    | 1400              | 1905                | 0.387                   | 0.556                 |
| Skilled attendant at delivery                                                         | 0.610                 | 0.040                              | 0.066                                          | 1.851                               | 1.360                                                    | 196               | 273                 | 0.529                   | 0.690                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.101                 | 0.015                              | 0.149                                          | 0.783                               | 0.885                                                    | 258               | 312                 | 0.071                   | 0.131                 |
| Primary net intake rate                                                               | 0.827                 | 0.037                              | 0.045                                          | 2.051                               | 1.432                                                    | 156               | 211                 | 0.752                   | 0.901                 |
| Net attendance rate in primary education                                              | 0.910                 | 0.014                              | 0.015                                          | 2.193                               | 1.481                                                    | 732               | 959                 | 0.883                   | 0.938                 |
| Net attendance rate in secondary education                                            | 0.515                 | 0.023                              | 0.045                                          | 2.328                               | 1.526                                                    | 803               | 1089                | 0.468                   | 0.561                 |
| Literacy rate of women aged 15-24 years                                               | 0.725                 | 0.029                              | 0.040                                          | 2.915                               | 1.707                                                    | 522               | 700                 | 0.667                   | 0.783                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.110                 | 0.020                              | 0.183                                          | 2.878                               | 1.696                                                    | 522               | 700                 | 0.070                   | 0.150                 |
| Use of an improved drinking water source                                              | 0.995                 | 0.003                              | 0.003                                          | 3.470                               | 1.863                                                    | 6329              | 2160                | 0.989                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.332                 | 0.033                              | 0.100                                          | 41.850                              | 6.469                                                    | 6329              | 8451                | 0.266                   | 0.398                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.734                 | 0.018                              | 0.025                                          | 3.486                               | 1.867                                                    | 6140              | 2026                | 0.698                   | 0.771                 |
| Birth registration                                                                    | 0.585                 | 0.037                              | 0.063                                          | 4.188                               | 2.047                                                    | 598               | 761                 | 0.512                   | 0.658                 |

**Table SE.055:** Sampling errors: Khulna Division: Narail District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.599                 | 0.028                              | 0.047                                          | 6.402                               | 2.530                                                    | 1377              | 1928                | 0.543                   | 0.656                  |
| Skilled attendant at delivery                                                               | 0.257                 | 0.031                              | 0.119                                          | 1.646                               | 1.283                                                    | 251               | 338                 | 0.196                   | 0.318                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.267                 | 0.035                              | 0.132                                          | 2.899                               | 1.703                                                    | 338               | 455                 | 0.196                   | 0.338                  |
| Primary net intake rate                                                                     | 0.797                 | 0.031                              | 0.039                                          | 1.522                               | 1.234                                                    | 196               | 255                 | 0.735                   | 0.860                  |
| Net attendance rate in primary<br>education                                                 | 0.893                 | 0.011                              | 0.013                                          | 1.744                               | 1.321                                                    | 994               | 1320                | 0.871                   | 0.916                  |
| Net attendance rate in<br>secondary education                                               | 0.592                 | 0.015                              | 0.025                                          | 1.268                               | 1.126                                                    | 972               | 1347                | 0.562                   | 0.622                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.770                 | 0.019                              | 0.025                                          | 1.665                               | 1.290                                                    | 564               | 805                 | 0.731                   | 0.808                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.189                 | 0.027                              | 0.143                                          | 3.844                               | 1.961                                                    | 564               | 805                 | 0.135                   | 0.243                  |
| Use of an improved drinking<br>water source                                                 | 0.998                 | 0.001                              | 0.001                                          | 1.983                               | 1.408                                                    | 7091              | 2160                | 0.996                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.520                 | 0.029                              | 0.057                                          | 33.920                              | 5.824                                                    | 7091              | 9755                | 0.461                   | 0.579                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.745                 | 0.026                              | 0.035                                          | 7.621                               | 2.761                                                    | 7040              | 2138                | 0.692                   | 0.797                  |
| Birth registration                                                                          | 0.747                 | 0.027                              | 0.037                                          | 4.103                               | 2.026                                                    | 770               | 1035                | 0.692                   | 0.802                  |

**Table SE.056:** Sampling errors: Khulna Division: Satkhira District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.593                 | 0.020                              | 0.034                                          | 6.144                               | 2.479                                                    | 3703              | 3628                | 0.553                   | 0.634                  |
| Skilled attendant at delivery                                                         | 0.162                 | 0.016                              | 0.102                                          | 0.988                               | 0.994                                                    | 503               | 495                 | 0.129                   | 0.195                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.288                 | 0.023                              | 0.079                                          | 1.804                               | 1.343                                                    | 780               | 710                 | 0.243                   | 0.334                  |
| Primary net intake rate                                                               | 0.682                 | 0.024                              | 0.035                                          | 1.286                               | 1.134                                                    | 511               | 491                 | 0.635                   | 0.730                  |
| Net attendance rate in primary education                                              | 0.837                 | 0.011                              | 0.013                                          | 1.816                               | 1.347                                                    | 2319              | 2241                | 0.816                   | 0.858                  |
| Net attendance rate in secondary education                                            | 0.557                 | 0.015                              | 0.027                                          | 2.230                               | 1.493                                                    | 2591              | 2482                | 0.527                   | 0.587                  |
| Literacy rate of women aged 15-24 years                                               | 0.762                 | 0.014                              | 0.018                                          | 1.672                               | 1.293                                                    | 1617              | 1605                | 0.735                   | 0.790                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.194                 | 0.016                              | 0.085                                          | 2.764                               | 1.663                                                    | 1617              | 1605                | 0.161                   | 0.226                  |
| Use of an improved drinking water source                                              | 0.920                 | 0.012                              | 0.013                                          | 8.682                               | 2.947                                                    | 18902             | 4238                | 0.896                   | 0.945                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.559                 | 0.019                              | 0.035                                          | 27.619                              | 5.255                                                    | 18902             | 18255               | 0.520                   | 0.598                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.737                 | 0.018                              | 0.025                                          | 5.608                               | 2.368                                                    | 14500             | 3261                | 0.701                   | 0.774                  |
| Birth registration                                                                    | 0.710                 | 0.017                              | 0.023                                          | 2.091                               | 1.446                                                    | 1725              | 1582                | 0.677                   | 0.743                  |

**Table SE.057:** Sampling errors: Rajshahi Division: Bogra District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.498                 | 0.015                              | 0.031                                          | 5.314                               | 2.305                                                    | 6696              | 5741                | 0.467                   | 0.528                  |
| Skilled attendant at delivery                                                         | 0.200                 | 0.015                              | 0.077                                          | 1.257                               | 1.121                                                    | 991               | 841                 | 0.170                   | 0.231                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.196                 | 0.015                              | 0.079                                          | 1.734                               | 1.317                                                    | 1440              | 1152                | 0.166                   | 0.227                  |
| Primary net intake rate                                                               | 0.671                 | 0.021                              | 0.032                                          | 1.354                               | 1.164                                                    | 760               | 662                 | 0.628                   | 0.713                  |
| Net attendance rate in primary education                                              | 0.807                 | 0.012                              | 0.015                                          | 2.936                               | 1.713                                                    | 3830              | 3273                | 0.783                   | 0.831                  |
| Net attendance rate in secondary education                                            | 0.538                 | 0.013                              | 0.024                                          | 2.214                               | 1.488                                                    | 3994              | 3398                | 0.512                   | 0.563                  |
| Literacy rate of women aged 15-24 years                                               | 0.717                 | 0.013                              | 0.019                                          | 1.941                               | 1.393                                                    | 2568              | 2222                | 0.690                   | 0.744                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.134                 | 0.011                              | 0.078                                          | 2.121                               | 1.456                                                    | 2568              | 2222                | 0.113                   | 0.155                  |
| Use of an improved drinking water source                                              | 0.996                 | 0.001                              | 0.001                                          | 2.041                               | 1.429                                                    | 31623             | 6837                | 0.993                   | 0.998                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.651                 | 0.014                              | 0.022                                          | 24.298                              | 4.929                                                    | 31623             | 26921               | 0.622                   | 0.680                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.276                 | 0.014                              | 0.052                                          | 6.947                               | 2.636                                                    | 30803             | 6672                | 0.247                   | 0.305                  |
| Birth registration                                                                    | 0.430                 | 0.019                              | 0.045                                          | 3.924                               | 1.981                                                    | 3136              | 2545                | 0.391                   | 0.468                  |

**Table SE.058:** Sampling errors: Rajshahi Division: Dinajpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.522                 | 0.016                              | 0.030                                          | 6.383                               | 2.526                                                    | 5998              | 6413                | 0.491                   | 0.554                 |
| Skilled attendant at delivery                                                         | 0.347                 | 0.021                              | 0.060                                          | 1.922                               | 1.386                                                    | 955               | 995                 | 0.305                   | 0.389                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.162                 | 0.016                              | 0.098                                          | 2.624                               | 1.620                                                    | 1323              | 1397                | 0.131                   | 0.194                 |
| Primary net intake rate                                                               | 0.801                 | 0.018                              | 0.022                                          | 1.985                               | 1.409                                                    | 950               | 986                 | 0.765                   | 0.837                 |
| Net attendance rate in primary education                                              | 0.883                 | 0.009                              | 0.010                                          | 2.958                               | 1.720                                                    | 3746              | 3926                | 0.866                   | 0.901                 |
| Net attendance rate in secondary education                                            | 0.578                 | 0.012                              | 0.021                                          | 2.408                               | 1.552                                                    | 3962              | 4177                | 0.554                   | 0.601                 |
| Literacy rate of women aged 15-24 years                                               | 0.762                 | 0.012                              | 0.016                                          | 2.041                               | 1.429                                                    | 2349              | 2525                | 0.738                   | 0.786                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.159                 | 0.010                              | 0.065                                          | 2.044                               | 1.430                                                    | 2349              | 2525                | 0.138                   | 0.180                 |
| Use of an improved drinking water source                                              | 0.994                 | 0.003                              | 0.003                                          | 11.281                              | 3.359                                                    | 28684             | 7359                | 0.989                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.475                 | 0.013                              | 0.028                                          | 22.053                              | 4.696                                                    | 28684             | 30431               | 0.448                   | 0.502                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.188                 | 0.013                              | 0.067                                          | 7.404                               | 2.721                                                    | 28249             | 7227                | 0.163                   | 0.213                 |
| Birth registration                                                                    | 0.607                 | 0.018                              | 0.030                                          | 4.227                               | 2.056                                                    | 2874              | 2987                | 0.570                   | 0.644                 |

**Table SE.059:** Sampling errors: Rajshahi Division: Gaibandha District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.445                 | 0.023                              | 0.052                                          | 7.520                               | 2.742                                                    | 4937              | 3466                | 0.399                   | 0.492                  |
| Skilled attendant at delivery                                                               | 0.100                 | 0.013                              | 0.128                                          | 1.096                               | 1.047                                                    | 884               | 601                 | 0.075                   | 0.126                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.072                 | 0.009                              | 0.126                                          | 1.078                               | 1.038                                                    | 1328              | 881                 | 0.054                   | 0.090                  |
| Primary net intake rate                                                                     | 0.617                 | 0.030                              | 0.048                                          | 2.123                               | 1.457                                                    | 797               | 568                 | 0.558                   | 0.677                  |
| Net attendance rate in primary<br>education                                                 | 0.795                 | 0.018                              | 0.023                                          | 5.095                               | 2.257                                                    | 3558              | 2505                | 0.759                   | 0.832                  |
| Net attendance rate in<br>secondary education                                               | 0.493                 | 0.018                              | 0.036                                          | 2.733                               | 1.653                                                    | 3164              | 2186                | 0.458                   | 0.529                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.644                 | 0.018                              | 0.028                                          | 1.911                               | 1.382                                                    | 1979              | 1373                | 0.608                   | 0.679                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.132                 | 0.018                              | 0.135                                          | 3.800                               | 1.949                                                    | 1979              | 1373                | 0.096                   | 0.167                  |
| Use of an improved drinking<br>water source                                                 | 0.998                 | 0.001                              | 0.001                                          | 1.540                               | 1.241                                                    | 25314             | 4240                | 0.996                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.455                 | 0.019                              | 0.041                                          | 24.706                              | 4.970                                                    | 25314             | 17602               | 0.418                   | 0.493                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.412                 | 0.020                              | 0.048                                          | 6.676                               | 2.584                                                    | 24949             | 4145                | 0.372                   | 0.451                  |
| Birth registration                                                                          | 0.482                 | 0.025                              | 0.052                                          | 4.776                               | 2.185                                                    | 2862              | 1908                | 0.432                   | 0.532                  |



**Table SE.060:** Sampling errors: Rajshahi Division: Joypurhat DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.421                 | 0.023                              | 0.055                                          | 5.824                               | 2.413                                                    | 1962              | 2688                | 0.375                   | 0.467                 |
| Skilled attendant at delivery                                                         | 0.313                 | 0.028                              | 0.089                                          | 1.389                               | 1.179                                                    | 288               | 383                 | 0.257                   | 0.369                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.145                 | 0.017                              | 0.116                                          | 1.071                               | 1.035                                                    | 357               | 467                 | 0.112                   | 0.179                 |
| Primary net intake rate                                                               | 0.767                 | 0.029                              | 0.038                                          | 1.415                               | 1.189                                                    | 209               | 292                 | 0.708                   | 0.826                 |
| Net attendance rate in primary education                                              | 0.892                 | 0.012                              | 0.014                                          | 2.037                               | 1.427                                                    | 969               | 1333                | 0.868                   | 0.916                 |
| Net attendance rate in secondary education                                            | 0.629                 | 0.016                              | 0.025                                          | 1.536                               | 1.239                                                    | 1114              | 1485                | 0.598                   | 0.660                 |
| Literacy rate of women aged 15-24 years                                               | 0.751                 | 0.019                              | 0.025                                          | 2.123                               | 1.457                                                    | 783               | 1086                | 0.713                   | 0.789                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.113                 | 0.015                              | 0.137                                          | 2.583                               | 1.607                                                    | 783               | 1086                | 0.082                   | 0.144                 |
| Use of an improved drinking water source                                              | 0.996                 | 0.001                              | 0.001                                          | 1.008                               | 1.004                                                    | 8964              | 3198                | 0.994                   | 0.998                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.504                 | 0.021                              | 0.042                                          | 22.001                              | 4.690                                                    | 8964              | 12105               | 0.461                   | 0.546                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.191                 | 0.022                              | 0.117                                          | 10.211                              | 3.196                                                    | 8827              | 3149                | 0.146                   | 0.235                 |
| Birth registration                                                                    | 0.488                 | 0.030                              | 0.062                                          | 3.817                               | 1.954                                                    | 811               | 1055                | 0.428                   | 0.548                 |

**Table SE.061:** Sampling errors: Rajshahi Division: Kurigram District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.380                 | 0.016                              | 0.042                                          | 4.769                               | 2.184                                                    | 3943              | 4459                | 0.348                   | 0.412                  |
| Skilled attendant at delivery                                                         | 0.143                 | 0.014                              | 0.098                                          | 1.177                               | 1.085                                                    | 650               | 729                 | 0.115                   | 0.171                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.170                 | 0.016                              | 0.092                                          | 1.842                               | 1.357                                                    | 989               | 1067                | 0.139                   | 0.202                  |
| Primary net intake rate                                                               | 0.541                 | 0.023                              | 0.043                                          | 1.481                               | 1.217                                                    | 587               | 669                 | 0.494                   | 0.588                  |
| Net attendance rate in primary education                                              | 0.778                 | 0.011                              | 0.014                                          | 2.307                               | 1.519                                                    | 2913              | 3300                | 0.756                   | 0.800                  |
| Net attendance rate in secondary education                                            | 0.462                 | 0.015                              | 0.032                                          | 2.621                               | 1.619                                                    | 2633              | 2945                | 0.432                   | 0.492                  |
| Literacy rate of women aged 15-24 years                                               | 0.617                 | 0.018                              | 0.030                                          | 2.289                               | 1.513                                                    | 1440              | 1627                | 0.581                   | 0.654                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.269                 | 0.018                              | 0.067                                          | 2.671                               | 1.634                                                    | 1440              | 1627                | 0.233                   | 0.305                  |
| Use of an improved drinking water source                                              | 0.998                 | 0.001                              | 0.001                                          | 1.970                               | 1.403                                                    | 20160             | 5279                | 0.996                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.523                 | 0.016                              | 0.031                                          | 24.093                              | 4.908                                                    | 20160             | 22599               | 0.490                   | 0.555                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.470                 | 0.017                              | 0.036                                          | 5.999                               | 2.449                                                    | 19898             | 5188                | 0.436                   | 0.504                  |
| Birth registration                                                                    | 0.555                 | 0.020                              | 0.036                                          | 3.853                               | 1.963                                                    | 2141              | 2323                | 0.514                   | 0.595                  |

**Table SE.062:** Sampling errors: Rajshahi Division: Lalmonirhat DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.366                 | 0.023                              | 0.063                                          | 6.632                               | 2.575                                                    | 2498              | 2877                | 0.320                   | 0.412                 |
| Skilled attendant at delivery                                                         | 0.117                 | 0.018                              | 0.154                                          | 1.550                               | 1.245                                                    | 442               | 496                 | 0.081                   | 0.153                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.134                 | 0.017                              | 0.123                                          | 1.844                               | 1.358                                                    | 713               | 784                 | 0.101                   | 0.167                 |
| Primary net intake rate                                                               | 0.663                 | 0.029                              | 0.044                                          | 1.832                               | 1.353                                                    | 434               | 479                 | 0.604                   | 0.721                 |
| Net attendance rate in primary education                                              | 0.824                 | 0.017                              | 0.020                                          | 3.939                               | 1.985                                                    | 1832              | 2037                | 0.791                   | 0.858                 |
| Net attendance rate in secondary education                                            | 0.534                 | 0.017                              | 0.032                                          | 2.249                               | 1.500                                                    | 1676              | 1929                | 0.500                   | 0.568                 |
| Literacy rate of women aged 15-24 years                                               | 0.681                 | 0.022                              | 0.032                                          | 2.661                               | 1.631                                                    | 1022              | 1205                | 0.637                   | 0.725                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.029                 | 0.006                              | 0.195                                          | 1.356                               | 1.165                                                    | 1022              | 1205                | 0.018                   | 0.040                 |
| Use of an improved drinking water source                                              | 0.998                 | 0.001                              | 0.001                                          | 1.928                               | 1.389                                                    | 12330             | 3200                | 0.996                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.134                 | 0.017                              | 0.123                                          | 1.844                               | 1.358                                                    | 12330             | 14065               | 0.572                   | 0.660                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.627                 | 0.027                              | 0.043                                          | 5.063                               | 2.250                                                    | 12221             | 3154                | 0.014                   | 0.049                 |
| Birth registration                                                                    | 0.627                 | 0.027                              | 0.043                                          | 5.063                               | 2.250                                                    | 1466              | 1613                | 0.573                   | 0.681                 |

**Table SE.063:** Sampling errors: Rajshahi Division: Naogaon District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                       |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.486                 | 0.017                              | 0.035                                          | 6.656                               | 2.580                                                 | 5454              | 5589                | 0.452                   | 0.521                  |
| Skilled attendant at delivery                                                         | 0.334                 | 0.019                              | 0.058                                          | 1.240                               | 1.114                                                 | 707               | 733                 | 0.295                   | 0.373                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.105                 | 0.013                              | 0.122                                          | 1.972                               | 1.404                                                 | 1155              | 1138                | 0.079                   | 0.130                  |
| Primary net intake rate                                                               | 0.780                 | 0.018                              | 0.023                                          | 1.090                               | 1.044                                                 | 608               | 606                 | 0.744                   | 0.815                  |
| Net attendance rate in primary education                                              | 0.882                 | 0.008                              | 0.009                                          | 1.726                               | 1.314                                                 | 2784              | 2843                | 0.867                   | 0.898                  |
| Net attendance rate in secondary education                                            | 0.584                 | 0.013                              | 0.023                                          | 2.275                               | 1.508                                                 | 3036              | 3126                | 0.558                   | 0.611                  |
| Literacy rate of women aged 15-24 years                                               | 0.734                 | 0.014                              | 0.020                                          | 2.412                               | 1.553                                                 | 2181              | 2288                | 0.705                   | 0.763                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.194                 | 0.013                              | 0.068                                          | 2.555                               | 1.598                                                 | 2181              | 2288                | 0.167                   | 0.220                  |
| Use of an improved drinking water source                                              | 0.975                 | 0.005                              | 0.006                                          | 7.511                               | 2.741                                                 | 24410             | 6310                | 0.964                   | 0.986                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.416                 | 0.014                              | 0.035                                          | 21.325                              | 4.618                                                 | 24410             | 24815               | 0.387                   | 0.445                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.169                 | 0.010                              | 0.059                                          | 4.022                               | 2.006                                                 | 22863             | 5789                | 0.149                   | 0.188                  |
| Birth registration                                                                    | 0.561                 | 0.017                              | 0.031                                          | 2.878                               | 1.696                                                 | 2351              | 2353                | 0.526                   | 0.596                  |

**Table SE.064:** Sampling errors: Rajshahi Division: Natore District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.328                 | 0.023                              | 0.071                                          | 7.458                               | 2.731                                                    | 3194              | 3015                | 0.281                   | 0.375                  |
| Skilled attendant at delivery                                                         | 0.250                 | 0.024                              | 0.098                                          | 1.439                               | 1.199                                                    | 478               | 454                 | 0.201                   | 0.299                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.201                 | 0.020                              | 0.101                                          | 1.449                               | 1.204                                                    | 643               | 560                 | 0.160                   | 0.242                  |
| Primary net intake rate                                                               | 0.566                 | 0.023                              | 0.041                                          | 0.780                               | 0.883                                                    | 411               | 363                 | 0.520                   | 0.612                  |
| Net attendance rate in primary education                                              | 0.713                 | 0.016                              | 0.023                                          | 2.289                               | 1.513                                                    | 2016              | 1779                | 0.681                   | 0.745                  |
| Net attendance rate in secondary education                                            | 0.506                 | 0.020                              | 0.040                                          | 3.232                               | 1.798                                                    | 2129              | 1947                | 0.466                   | 0.547                  |
| Literacy rate of women aged 15-24 years                                               | 0.663                 | 0.021                              | 0.032                                          | 2.469                               | 1.571                                                    | 1300              | 1216                | 0.620                   | 0.705                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.086                 | 0.009                              | 0.109                                          | 1.361                               | 1.166                                                    | 1300              | 1216                | 0.067                   | 0.105                  |
| Use of an improved drinking water source                                              | 0.994                 | 0.003                              | 0.003                                          | 5.420                               | 2.328                                                    | 16271             | 3716                | 0.988                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.538                 | 0.018                              | 0.034                                          | 19.684                              | 4.437                                                    | 16271             | 14778               | 0.502                   | 0.575                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.467                 | 0.017                              | 0.036                                          | 3.999                               | 2.000                                                    | 15773             | 3618                | 0.433                   | 0.500                  |
| Birth registration                                                                    | 0.580                 | 0.021                              | 0.036                                          | 2.327                               | 1.525                                                    | 1521              | 1322                | 0.539                   | 0.621                  |

**Table SE.065:** Sampling errors: Rajshahi Division: Chapai Nawabganj DistrictStandard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.548                 | 0.021                              | 0.038                                          | 5.172                               | 2.274                                                    | 2881              | 2917                | 0.506                   | 0.590                  |
| Skilled attendant at delivery                                                         | 0.221                 | 0.023                              | 0.103                                          | 1.631                               | 1.277                                                    | 570               | 543                 | 0.175                   | 0.266                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.215                 | 0.022                              | 0.103                                          | 1.778                               | 1.334                                                    | 622               | 618                 | 0.171                   | 0.259                  |
| Primary net intake rate                                                               | 0.568                 | 0.036                              | 0.064                                          | 2.308                               | 1.519                                                    | 444               | 435                 | 0.496                   | 0.640                  |
| Net attendance rate in primary education                                              | 0.763                 | 0.017                              | 0.022                                          | 3.102                               | 1.761                                                    | 1930              | 1917                | 0.729                   | 0.797                  |
| Net attendance rate in secondary education                                            | 0.427                 | 0.018                              | 0.042                                          | 2.871                               | 1.694                                                    | 2231              | 2170                | 0.391                   | 0.463                  |
| Literacy rate of women aged 15-24 years                                               | 0.722                 | 0.016                              | 0.022                                          | 1.693                               | 1.301                                                    | 1366              | 1392                | 0.691                   | 0.753                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.107                 | 0.015                              | 0.141                                          | 3.322                               | 1.823                                                    | 1366              | 1392                | 0.076                   | 0.137                  |
| Use of an improved drinking water source                                              | 0.998                 | 0.001                              | 0.001                                          | 1.962                               | 1.401                                                    | 14769             | 3199                | 0.995                   | 1.000                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.283                 | 0.019                              | 0.065                                          | 24.681                              | 4.968                                                    | 14769             | 14582               | 0.246                   | 0.320                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.698                 | 0.023                              | 0.033                                          | 7.410                               | 2.722                                                    | 13885             | 2981                | 0.653                   | 0.744                  |
| Birth registration                                                                    | 0.506                 | 0.024                              | 0.048                                          | 3.570                               | 1.890                                                    | 1551              | 1503                | 0.457                   | 0.555                  |

**Table SE.066:** Sampling errors: Rajshahi Division: Nilphamari District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.483                 | 0.019                              | 0.039                                          | 4.735                               | 2.176                                                    | 3435              | 3283                | 0.445                   | 0.521                 |
| Skilled attendant at delivery                                                         | 0.189                 | 0.020                              | 0.108                                          | 1.713                               | 1.309                                                    | 655               | 627                 | 0.148                   | 0.230                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.146                 | 0.014                              | 0.096                                          | 1.315                               | 1.147                                                    | 909               | 840                 | 0.118                   | 0.174                 |
| Primary net intake rate                                                               | 0.740                 | 0.022                              | 0.029                                          | 1.390                               | 1.179                                                    | 590               | 566                 | 0.696                   | 0.783                 |
| Net attendance rate in primary education                                              | 0.862                 | 0.010                              | 0.011                                          | 1.916                               | 1.384                                                    | 2589              | 2455                | 0.843                   | 0.881                 |
| Net attendance rate in secondary education                                            | 0.465                 | 0.016                              | 0.034                                          | 2.329                               | 1.526                                                    | 2450              | 2373                | 0.433                   | 0.496                 |
| Literacy rate of women aged 15-24 years                                               | 0.656                 | 0.019                              | 0.028                                          | 2.051                               | 1.432                                                    | 1409              | 1349                | 0.619                   | 0.693                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.082                 | 0.009                              | 0.108                                          | 1.397                               | 1.182                                                    | 1409              | 1349                | 0.064                   | 0.099                 |
| Use of an improved drinking water source                                              | 0.996                 | 0.002                              | 0.002                                          | 3.059                               | 1.749                                                    | 17387             | 3717                | 0.992                   | 1.000                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.302                 | 0.017                              | 0.057                                          | 23.185                              | 4.815                                                    | 17387             | 16578               | 0.268                   | 0.337                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.054                 | 0.009                              | 0.166                                          | 5.750                               | 2.398                                                    | 17235             | 3677                | 0.036                   | 0.072                 |
| Birth registration                                                                    | 0.599                 | 0.021                              | 0.036                                          | 3.619                               | 1.902                                                    | 2023              | 1891                | 0.556                   | 0.642                 |

**Table SE.067:** Sampling errors: Rajshahi Division: Pabna District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.456                 | 0.018                              | 0.040                                          | 5.969                               | 2.443                                                    | 4497              | 4384                | 0.419                   | 0.493                  |
| Skilled attendant at delivery                                                               | 0.228                 | 0.017                              | 0.076                                          | 1.230                               | 1.109                                                    | 745               | 725                 | 0.193                   | 0.262                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.183                 | 0.015                              | 0.083                                          | 1.482                               | 1.217                                                    | 1013              | 970                 | 0.153                   | 0.213                  |
| Primary net intake rate                                                                     | 0.663                 | 0.022                              | 0.033                                          | 1.517                               | 1.232                                                    | 700               | 691                 | 0.618                   | 0.707                  |
| Net attendance rate in primary<br>education                                                 | 0.834                 | 0.010                              | 0.012                                          | 2.129                               | 1.459                                                    | 2961              | 2914                | 0.814                   | 0.854                  |
| Net attendance rate in<br>secondary education                                               | 0.529                 | 0.013                              | 0.025                                          | 2.025                               | 1.423                                                    | 3110              | 2987                | 0.503                   | 0.555                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.693                 | 0.016                              | 0.023                                          | 2.159                               | 1.469                                                    | 1800              | 1769                | 0.661                   | 0.725                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.126                 | 0.015                              | 0.118                                          | 3.542                               | 1.882                                                    | 1800              | 1769                | 0.097                   | 0.156                  |
| Use of an improved drinking<br>water source                                                 | 0.996                 | 0.002                              | 0.002                                          | 4.846                               | 2.201                                                    | 22811             | 5277                | 0.993                   | 1.000                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.624                 | 0.017                              | 0.027                                          | 27.678                              | 5.261                                                    | 22811             | 22163               | 0.590                   | 0.658                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.466                 | 0.020                              | 0.042                                          | 8.173                               | 2.859                                                    | 22489             | 5204                | 0.427                   | 0.506                  |
| Birth registration                                                                          | 0.496                 | 0.019                              | 0.037                                          | 2.983                               | 1.727                                                    | 2269              | 2168                | 0.459                   | 0.533                  |



**Table SE.068:** Sampling errors: Rajshahi Division: Panchagarh District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.399                 | 0.024                              | 0.060                                          | 6.687                               | 2.586                                                    | 1835              | 2817                | 0.351                   | 0.446                  |
| Skilled attendant at delivery                                                         | 0.261                 | 0.024                              | 0.091                                          | 1.499                               | 1.224                                                    | 349               | 516                 | 0.213                   | 0.308                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.088                 | 0.012                              | 0.133                                          | 1.113                               | 1.055                                                    | 438               | 650                 | 0.065                   | 0.112                  |
| Primary net intake rate                                                               | 0.629                 | 0.033                              | 0.052                                          | 2.083                               | 1.443                                                    | 314               | 455                 | 0.563                   | 0.694                  |
| Net attendance rate in primary education                                              | 0.818                 | 0.017                              | 0.021                                          | 3.757                               | 1.938                                                    | 1264              | 1860                | 0.784                   | 0.853                  |
| Net attendance rate in secondary education                                            | 0.562                 | 0.019                              | 0.034                                          | 2.913                               | 1.707                                                    | 1321              | 2000                | 0.525                   | 0.600                  |
| Literacy rate of women aged 15-24 years                                               | 0.716                 | 0.018                              | 0.026                                          | 1.946                               | 1.395                                                    | 765               | 1168                | 0.679                   | 0.753                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.149                 | 0.015                              | 0.101                                          | 2.073                               | 1.440                                                    | 765               | 1168                | 0.119                   | 0.179                  |
| Use of an improved drinking water source                                              | 0.996                 | 0.001                              | 0.001                                          | 1.172                               | 1.083                                                    | 9201              | 3199                | 0.993                   | 0.998                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.638                 | 0.017                              | 0.026                                          | 16.741                              | 4.092                                                    | 9201              | 13888               | 0.604                   | 0.671                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.031                 | 0.009                              | 0.302                                          | 8.869                               | 2.978                                                    | 8949              | 3051                | 0.012                   | 0.050                  |
| Birth registration                                                                    | 0.593                 | 0.027                              | 0.046                                          | 4.518                               | 2.126                                                    | 1016              | 1487                | 0.538                   | 0.647                  |

**Table SE.069:** Sampling errors: Rajshahi Division: Rajshahi District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.508                 | 0.018                              | 0.036                                          | 7.861                               | 2.804                                                    | 5049              | 5773                | 0.471                   | 0.545                  |
| Skilled attendant at delivery                                                         | 0.320                 | 0.019                              | 0.060                                          | 1.358                               | 1.165                                                    | 698               | 803                 | 0.282                   | 0.359                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.153                 | 0.017                              | 0.108                                          | 2.245                               | 1.498                                                    | 967               | 1064                | 0.120                   | 0.186                  |
| Primary net intake rate                                                               | 0.675                 | 0.024                              | 0.035                                          | 1.802                               | 1.343                                                    | 650               | 714                 | 0.628                   | 0.723                  |
| Net attendance rate in primary education                                              | 0.847                 | 0.012                              | 0.015                                          | 3.812                               | 1.953                                                    | 2913              | 3281                | 0.822                   | 0.871                  |
| Net attendance rate in secondary education                                            | 0.610                 | 0.014                              | 0.023                                          | 2.978                               | 1.726                                                    | 3203              | 3634                | 0.582                   | 0.638                  |
| Literacy rate of women aged 15-24 years                                               | 0.794                 | 0.014                              | 0.017                                          | 2.846                               | 1.687                                                    | 2075              | 2423                | 0.766                   | 0.822                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.155                 | 0.012                              | 0.078                                          | 2.673                               | 1.635                                                    | 2075              | 2423                | 0.131                   | 0.179                  |
| Use of an improved drinking water source                                              | 0.987                 | 0.006                              | 0.006                                          | 16.881                              | 4.109                                                    | 23317             | 6559                | 0.976                   | 0.999                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.401                 | 0.015                              | 0.037                                          | 24.278                              | 4.927                                                    | 23317             | 26371               | 0.371                   | 0.430                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.699                 | 0.015                              | 0.022                                          | 6.596                               | 2.568                                                    | 21401             | 5958                | 0.668                   | 0.729                  |
| Birth registration                                                                    | 0.656                 | 0.016                              | 0.025                                          | 2.790                               | 1.670                                                    | 2121              | 2368                | 0.624                   | 0.689                  |

**Table SE.070:** Sampling errors: Rajshahi Division: Rangpur District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                       |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|-----------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> +2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.445                 | 0.020                              | 0.045                                          | 6.722                               | 2.593                                                    | 5934              | 4047                | 0.405                   | 0.486                 |
| Skilled attendant at delivery                                                         | 0.381                 | 0.020                              | 0.053                                          | 1.249                               | 1.118                                                    | 1016              | 710                 | 0.340                   | 0.422                 |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.122                 | 0.016                              | 0.131                                          | 2.231                               | 1.494                                                    | 1387              | 938                 | 0.090                   | 0.154                 |
| Primary net intake rate                                                               | 0.629                 | 0.024                              | 0.037                                          | 1.442                               | 1.201                                                    | 863               | 609                 | 0.582                   | 0.677                 |
| Net attendance rate in primary education                                              | 0.813                 | 0.010                              | 0.012                                          | 1.754                               | 1.324                                                    | 3878              | 2699                | 0.793                   | 0.833                 |
| Net attendance rate in secondary education                                            | 0.536                 | 0.016                              | 0.029                                          | 2.501                               | 1.582                                                    | 3752              | 2572                | 0.504                   | 0.567                 |
| Literacy rate of women aged 15-24 years                                               | 0.736                 | 0.014                              | 0.019                                          | 1.615                               | 1.271                                                    | 2370              | 1622                | 0.708                   | 0.763                 |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.103                 | 0.012                              | 0.119                                          | 2.610                               | 1.616                                                    | 2370              | 1622                | 0.078                   | 0.127                 |
| Use of an improved drinking water source                                              | 0.993                 | 0.002                              | 0.002                                          | 3.571                               | 1.890                                                    | 28846             | 4758                | 0.989                   | 0.998                 |
| Use of an improved sanitation facility (GoB definition)                               | 0.417                 | 0.020                              | 0.047                                          | 31.098                              | 5.577                                                    | 28846             | 19677               | 0.377                   | 0.456                 |
| Population aware that drinking water source has been tested for arsenic contamination | 0.121                 | 0.010                              | 0.084                                          | 4.570                               | 2.138                                                    | 28278             | 4657                | 0.101                   | 0.142                 |
| Birth registration                                                                    | 0.499                 | 0.021                              | 0.041                                          | 3.530                               | 1.879                                                    | 3042              | 2069                | 0.457                   | 0.540                 |

**Table SE.071:** Sampling errors: Rajshahi Division: Sirajganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.521                 | 0.018                              | 0.035                                          | 5.620                               | 2.371                                                    | 5660              | 4336                | 0.485                   | 0.557                  |
| Skilled attendant at delivery                                                               | 0.219                 | 0.024                              | 0.109                                          | 2.481                               | 1.575                                                    | 976               | 741                 | 0.172                   | 0.267                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.159                 | 0.014                              | 0.091                                          | 1.655                               | 1.286                                                    | 1499              | 1061                | 0.130                   | 0.188                  |
| Primary net intake rate                                                                     | 0.563                 | 0.023                              | 0.040                                          | 1.532                               | 1.238                                                    | 960               | 736                 | 0.517                   | 0.608                  |
| Net attendance rate in primary<br>education                                                 | 0.717                 | 0.012                              | 0.017                                          | 2.674                               | 1.635                                                    | 4565              | 3499                | 0.692                   | 0.742                  |
| Net attendance rate in<br>secondary education                                               | 0.444                 | 0.016                              | 0.036                                          | 2.998                               | 1.732                                                    | 3858              | 2962                | 0.412                   | 0.476                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.596                 | 0.018                              | 0.031                                          | 2.427                               | 1.558                                                    | 2324              | 1736                | 0.559                   | 0.633                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.143                 | 0.018                              | 0.124                                          | 4.465                               | 2.113                                                    | 2324              | 1736                | 0.108                   | 0.179                  |
| Use of an improved drinking<br>water source                                                 | 0.997                 | 0.001                              | 0.001                                          | 2.420                               | 1.556                                                    | 30306             | 5276                | 0.995                   | 0.999                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.682                 | 0.016                              | 0.023                                          | 26.332                              | 5.132                                                    | 30306             | 23000               | 0.650                   | 0.713                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.513                 | 0.015                              | 0.029                                          | 4.747                               | 2.179                                                    | 29968             | 5208                | 0.483                   | 0.543                  |
| Birth registration                                                                          | 0.633                 | 0.018                              | 0.028                                          | 3.054                               | 1.748                                                    | 3224              | 2291                | 0.598                   | 0.669                  |

**Table SE.072:** Sampling errors: Rajshahi Division: Thakurgaon District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.569                 | 0.037                              | 0.065                                          | 14.837                              | 3.852                                                    | 2477              | 2680                | 0.495                   | 0.643                  |
| Skilled attendant at delivery                                                         | 0.229                 | 0.022                              | 0.095                                          | 1.393                               | 1.180                                                    | 494               | 515                 | 0.185                   | 0.273                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.317                 | 0.032                              | 0.103                                          | 3.164                               | 1.779                                                    | 614               | 650                 | 0.252                   | 0.382                  |
| Primary net intake rate                                                               | 0.759                 | 0.025                              | 0.033                                          | 1.626                               | 1.275                                                    | 451               | 489                 | 0.709                   | 0.808                  |
| Net attendance rate in primary education                                              | 0.850                 | 0.011                              | 0.013                                          | 2.037                               | 1.427                                                    | 1844              | 1980                | 0.827                   | 0.873                  |
| Net attendance rate in secondary education                                            | 0.531                 | 0.019                              | 0.036                                          | 2.670                               | 1.634                                                    | 1728              | 1857                | 0.493                   | 0.569                  |
| Literacy rate of women aged 15-24 years                                               | 0.692                 | 0.023                              | 0.034                                          | 3.060                               | 1.749                                                    | 1106              | 1198                | 0.645                   | 0.739                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.067                 | 0.013                              | 0.199                                          | 3.425                               | 1.851                                                    | 1106              | 1198                | 0.040                   | 0.094                  |
| Use of an improved drinking water source                                              | 0.990                 | 0.005                              | 0.005                                          | 7.011                               | 2.648                                                    | 12989             | 3189                | 0.981                   | 0.999                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.590                 | 0.030                              | 0.051                                          | 53.119                              | 7.288                                                    | 12989             | 13942               | 0.529                   | 0.651                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.050                 | 0.012                              | 0.237                                          | 9.255                               | 3.042                                                    | 12665             | 3129                | 0.026                   | 0.074                  |
| Birth registration                                                                    | 0.651                 | 0.027                              | 0.041                                          | 4.680                               | 2.163                                                    | 1467              | 1504                | 0.598                   | 0.704                  |

**Table SE.073:** Sampling errors: Sylhet Division: Habiganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.553                 | 0.021                              | 0.038                                          | 6.918                               | 2.630                                                    | 2898              | 3929                | 0.512                   | 0.595                  |
| Skilled attendant at delivery                                                         | 0.117                 | 0.011                              | 0.096                                          | 1.123                               | 1.060                                                    | 657               | 922                 | 0.095                   | 0.140                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.200                 | 0.017                              | 0.084                                          | 2.072                               | 1.439                                                    | 884               | 1173                | 0.166                   | 0.233                  |
| Primary net intake rate                                                               | 0.490                 | 0.025                              | 0.050                                          | 2.225                               | 1.492                                                    | 686               | 917                 | 0.441                   | 0.539                  |
| Net attendance rate in primary education                                              | 0.689                 | 0.017                              | 0.024                                          | 5.262                               | 2.294                                                    | 3086              | 4123                | 0.656                   | 0.722                  |
| Net attendance rate in secondary education                                            | 0.337                 | 0.015                              | 0.046                                          | 3.794                               | 1.948                                                    | 2701              | 3585                | 0.306                   | 0.368                  |
| Literacy rate of women aged 15-24 years                                               | 0.564                 | 0.023                              | 0.040                                          | 3.978                               | 1.994                                                    | 1414              | 1889                | 0.519                   | 0.610                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.087                 | 0.012                              | 0.137                                          | 3.371                               | 1.836                                                    | 1414              | 1889                | 0.064                   | 0.111                  |
| Use of an improved drinking water source                                              | 0.977                 | 0.004                              | 0.004                                          | 3.945                               | 1.986                                                    | 18878             | 4747                | 0.968                   | 0.985                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.534                 | 0.018                              | 0.034                                          | 32.673                              | 5.716                                                    | 18878             | 25228               | 0.498                   | 0.570                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.420                 | 0.020                              | 0.047                                          | 7.280                               | 2.698                                                    | 18076             | 4540                | 0.381                   | 0.460                  |
| Birth registration                                                                    | 0.468                 | 0.021                              | 0.045                                          | 4.987                               | 2.233                                                    | 2100              | 2800                | 0.426                   | 0.510                  |

**Table SE.074:** Sampling errors: Sylhet Division: Maulvibazar District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.691                 | 0.025                              | 0.036                                          | 10.509                              | 3.242                                                    | 2854              | 3658                | 0.642                   | 0.741                  |
| Skilled attendant at delivery                                                         | 0.142                 | 0.017                              | 0.121                                          | 1.711                               | 1.308                                                    | 561               | 707                 | 0.108                   | 0.177                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.255                 | 0.020                              | 0.079                                          | 2.177                               | 1.476                                                    | 818               | 1027                | 0.215                   | 0.295                  |
| Primary net intake rate                                                               | 0.628                 | 0.024                              | 0.038                                          | 1.733                               | 1.316                                                    | 545               | 695                 | 0.580                   | 0.677                  |
| Net attendance rate in primary education                                              | 0.813                 | 0.012                              | 0.015                                          | 3.407                               | 1.846                                                    | 2658              | 3382                | 0.788                   | 0.837                  |
| Net attendance rate in secondary education                                            | 0.414                 | 0.016                              | 0.039                                          | 3.816                               | 1.953                                                    | 2746              | 3512                | 0.381                   | 0.446                  |
| Literacy rate of women aged 15-24 years                                               | 0.723                 | 0.019                              | 0.027                                          | 3.051                               | 1.747                                                    | 1275              | 1650                | 0.685                   | 0.762                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.126                 | 0.015                              | 0.118                                          | 3.277                               | 1.810                                                    | 1275              | 1650                | 0.096                   | 0.155                  |
| Use of an improved drinking water source                                              | 0.947                 | 0.012                              | 0.013                                          | 12.020                              | 3.467                                                    | 17427             | 4238                | 0.923                   | 0.971                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.454                 | 0.023                              | 0.050                                          | 45.417                              | 6.739                                                    | 17427             | 22211               | 0.409                   | 0.499                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.535                 | 0.022                              | 0.041                                          | 6.775                               | 2.603                                                    | 14992             | 3543                | 0.492                   | 0.579                  |
| Birth registration                                                                    | 0.582                 | 0.021                              | 0.035                                          | 3.982                               | 1.995                                                    | 1814              | 2281                | 0.540                   | 0.623                  |

**Table SE.075:** Sampling errors: Sylhet Division: Sunamganj District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                             | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                             |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of<br>breastfeeding (less than<br>1 hour after birth)                     | 0.615                 | 0.017                              | 0.028                                          | 7.004                               | 2.647                                                    | 3455              | 5430                | 0.580                   | 0.650                  |
| Skilled attendant at delivery                                                               | 0.085                 | 0.009                              | 0.102                                          | 1.360                               | 1.166                                                    | 907               | 1404                | 0.068                   | 0.102                  |
| Pre-school attendance rate<br>(36-59 month-olds)                                            | 0.147                 | 0.013                              | 0.090                                          | 2.580                               | 1.606                                                    | 1205              | 1840                | 0.121                   | 0.174                  |
| Primary net intake rate                                                                     | 0.493                 | 0.020                              | 0.041                                          | 2.167                               | 1.472                                                    | 887               | 1353                | 0.453                   | 0.533                  |
| Net attendance rate in primary<br>education                                                 | 0.665                 | 0.013                              | 0.019                                          | 4.514                               | 2.125                                                    | 3977              | 6123                | 0.639                   | 0.691                  |
| Net attendance rate in<br>secondary education                                               | 0.294                 | 0.014                              | 0.047                                          | 4.769                               | 2.184                                                    | 3361              | 5220                | 0.266                   | 0.321                  |
| Literacy rate of women<br>aged 15-24 years                                                  | 0.577                 | 0.015                              | 0.026                                          | 2.463                               | 1.569                                                    | 1676              | 2623                | 0.547                   | 0.608                  |
| Comprehensive correct<br>knowledge of HIV and AIDS<br>among young women                     | 0.061                 | 0.008                              | 0.135                                          | 3.115                               | 1.765                                                    | 1676              | 2623                | 0.044                   | 0.077                  |
| Use of an improved drinking<br>water source                                                 | 0.949                 | 0.008                              | 0.008                                          | 7.495                               | 2.738                                                    | 23025             | 6318                | 0.934                   | 0.964                  |
| Use of an improved sanitation<br>facility (GoB definition)                                  | 0.303                 | 0.013                              | 0.043                                          | 28.101                              | 5.301                                                    | 23025             | 35731               | 0.277                   | 0.329                  |
| Population aware that drinking<br>water source has been tested<br>for arsenic contamination | 0.556                 | 0.020                              | 0.035                                          | 9.169                               | 3.028                                                    | 21487             | 5906                | 0.517                   | 0.596                  |
| Birth registration                                                                          | 0.454                 | 0.017                              | 0.036                                          | 4.683                               | 2.164                                                    | 2795              | 4243                | 0.421                   | 0.487                  |



**Table SE.076:** Sampling errors: Sylhet Division: Sylhet District

Standard errors, coefficients of variation, design effects (*deff*), square root of design effects (*deft*) and confidence intervals for selected indicators, Bangladesh, 2009

|                                                                                       | Value<br>( <i>r</i> ) | Standard<br>error<br>( <i>se</i> ) | Coefficient<br>of variation<br>( <i>se/r</i> ) | Design<br>effect<br>( <i>deff</i> ) | Square<br>root of<br>design<br>effect<br>( <i>deft</i> ) | Weighted<br>count | Unweighted<br>count | Confidence<br>intervals |                        |
|---------------------------------------------------------------------------------------|-----------------------|------------------------------------|------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------------|---------------------|-------------------------|------------------------|
|                                                                                       |                       |                                    |                                                |                                     |                                                          |                   |                     | <i>r</i> - 2 <i>se</i>  | <i>r</i> + 2 <i>se</i> |
| Timely initiation of breastfeeding (less than 1 hour after birth)                     | 0.530                 | 0.017                              | 0.033                                          | 7.790                               | 2.791                                                    | 4352              | 6458                | 0.496                   | 0.565                  |
| Skilled attendant at delivery                                                         | 0.213                 | 0.014                              | 0.064                                          | 1.746                               | 1.322                                                    | 1022              | 1554                | 0.186                   | 0.241                  |
| Pre-school attendance rate (36-59 month-olds)                                         | 0.267                 | 0.016                              | 0.060                                          | 2.644                               | 1.626                                                    | 1397              | 2024                | 0.235                   | 0.299                  |
| Primary net intake rate                                                               | 0.630                 | 0.020                              | 0.031                                          | 2.395                               | 1.548                                                    | 963               | 1424                | 0.590                   | 0.669                  |
| Net attendance rate in primary education                                              | 0.803                 | 0.011                              | 0.013                                          | 4.953                               | 2.226                                                    | 4692              | 6970                | 0.781                   | 0.824                  |
| Net attendance rate in secondary education                                            | 0.419                 | 0.012                              | 0.028                                          | 3.989                               | 1.997                                                    | 4731              | 6944                | 0.396                   | 0.443                  |
| Literacy rate of women aged 15-24 years                                               | 0.688                 | 0.013                              | 0.019                                          | 2.681                               | 1.637                                                    | 2269              | 3367                | 0.662                   | 0.714                  |
| Comprehensive correct knowledge of HIV and AIDS among young women                     | 0.104                 | 0.009                              | 0.091                                          | 3.254                               | 1.804                                                    | 2269              | 3367                | 0.085                   | 0.123                  |
| Use of an improved drinking water source                                              | 0.838                 | 0.012                              | 0.014                                          | 8.259                               | 2.874                                                    | 29329             | 7637                | 0.813                   | 0.862                  |
| Use of an improved sanitation facility (GoB definition)                               | 0.436                 | 0.015                              | 0.036                                          | 42.149                              | 6.492                                                    | 29329             | 43258               | 0.405                   | 0.467                  |
| Population aware that drinking water source has been tested for arsenic contamination | 0.548                 | 0.017                              | 0.031                                          | 6.706                               | 2.590                                                    | 21822             | 5705                | 0.514                   | 0.582                  |
| Birth registration                                                                    | 0.696                 | 0.015                              | 0.022                                          | 5.164                               | 2.272                                                    | 3254              | 4790                | 0.665                   | 0.726                  |

# ANNEX D: SURVEY QUESTIONNAIRES



## HOUSEHOLD QUESTIONNAIRE

WE ARE FROM THE BANGLADESH BUREAU OF STATISTICS. WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE ABOUT 25 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED DURING THIS TIME I WOULD LIKE TO SPEAK WITH THE HOUSEHOLD HEAD AND ALL MOTHERS OR OTHERS WHO TAKE CARE OF CHILDREN IN THE HOUSEHOLD.

MAY I START NOW? *If permission is given, begin the interview.*

| HOUSEHOLD INFORMATION PANEL                                                                                            |                                                                                                                                              | HH                                                              |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| HH1. Cluster number<br>Cluster Name:                                                                                   | <input type="text"/>                                                                                                                         | HH2. Household number<br><input type="text"/>                   |
| HH3. Interviewer number<br>Interviewer Name:                                                                           | <input type="text"/>                                                                                                                         | HH4. Supervisor number<br>Name:                                 |
| HH5. Day/Month/Year of interview:                                                                                      |                                                                                                                                              | <input type="text"/> / <input type="text"/> / 2009<br>Day Month |
| HH6. AREA:<br>Rural ..... 1<br>Urban<br>Urban (Municipality) ..... 2<br>City Corporation ..... 3<br>Urban slum ..... 4 | HH7. DIVISION:<br>1 Barisal ..... 1<br>2 Chittagong ..... 2<br>3 Dhaka ..... 3<br>4 Khulna ..... 4<br>5 Rajshahi ..... 5<br>6 Sylhet ..... 6 |                                                                 |
| HH7A. DISTRICT CODE<br>District Name:                                                                                  | <input type="text"/>                                                                                                                         | HH7B. UPAZILA CODE<br>Upazila Name:                             |
| HH8A. Union/ward Code<br>Union/ward Name:                                                                              | <input type="text"/>                                                                                                                         |                                                                 |
| HH 8B. Name of head of the household:<br><br>                                                                          |                                                                                                                                              |                                                                 |

*After all questionnaires for the household have been completed, fill in the following information:*

|                                                                                                                                                               |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| HH9. Result of HH interview:<br>Completed ..... 1<br>Not at home ..... 2<br>Refused ..... 3<br>HH not found/destroyed ..... 4<br><br><b>Other (specify) 6</b> | HH10. Respondent to HH questionnaire:<br>Name: _____<br>Line No: <input type="text"/> |
| HH12. No. of women eligible (15-49 years) for interview:<br><input type="text"/>                                                                              | HH11. Total number of household members:<br><input type="text"/>                      |
| HH14. No. of children under age 5:<br><input type="text"/>                                                                                                    | HH13. No. of women questionnaires completed:<br><input type="text"/>                  |
|                                                                                                                                                               | HH15. No. of under-5 questionnaires completed:<br><input type="text"/>                |

Interviewer/supervisor notes: *Use this space to record notes about the interview with this household, such as call-back times, incomplete individual interview forms, number of attempts to re-visit, etc.*

|                                  |         |
|----------------------------------|---------|
| HH16. Data entry operator's name | Number: |
|----------------------------------|---------|

**HOUSEHOLD LISTING**

FIRST, PLEASE TELL ME THE NAME OF EACH PERSON WHO USUALLY LIVES HERE, STARTING WITH THE HEAD OF THE HOUSEHOLD. List the head of the household in line 01. List all household members (HL2), their relationship to the household head (HL3), and their sex (HL4).

Then ask: ARE THERE ANY OTHERS WHO LIVE HERE, EVEN IF THEY ARE NOT AT HOME NOW? (THESE MAY INCLUDE CHILDREN IN SCHOOL OR AT WORK). If yes, complete listing.

Then, ask questions starting with HL5 for each person at a time. Add a continuation sheet if there are more than 15 household members. Tick here if continuation sheet used.

|                  |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | Eligible for:                                 |                                                                                                                                   |
|------------------|--------------|--------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| HL1.<br>Line no. | HL2.<br>Name | HL3.<br>WHAT IS THE RELATIONSHIP OF (name) TO THE HEAD OF THE HOUSEHOLD? | HL4.<br>Is (name) MALE OR FEMALE?<br><br>1 MALE<br>2 FEM. | HL5.<br>HOW OLD IS (name)?<br><br>HOW OLD WAS (name) ON HIS/HER LAST BIRTHDAY?<br><br>Record in complete years<br>98=DK* | HL6.<br>WHAT IS (name) MARITAL STATUS?<br><br>1. UNMARRIED<br>2. MARRIED<br>3. DIVORCED<br>4. SEPARATE<br>5. WIDOW | HL7.<br>Circle Line no. if woman is age 15-49 | HL8.<br>For each child under 5: WHO IS THE MOTHER OR PRIMARY CARETAKER OF THIS CHILD?<br><br>Record Line no. OF MOTHER/ CARETAKER |
| LINE             | NAME         | REL.                                                                     | M/F                                                       | AGE                                                                                                                      | AL                                                                                                                 |                                               | MOTHER                                                                                                                            |
| 01               |              | 0 1                                                                      |                                                           |                                                                                                                          |                                                                                                                    | 01                                            |                                                                                                                                   |
| 02               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 02                                            |                                                                                                                                   |
| 03               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 03                                            |                                                                                                                                   |
| 04               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 04                                            |                                                                                                                                   |
| 05               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 05                                            |                                                                                                                                   |
| 06               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 06                                            |                                                                                                                                   |
| 07               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 07                                            |                                                                                                                                   |
| 08               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 08                                            |                                                                                                                                   |
| 09               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 09                                            |                                                                                                                                   |
| 10               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 10                                            |                                                                                                                                   |
| 11               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 11                                            |                                                                                                                                   |
| 12               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 12                                            |                                                                                                                                   |
| 13               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 13                                            |                                                                                                                                   |
| 14               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 14                                            |                                                                                                                                   |
| 15               |              |                                                                          |                                                           |                                                                                                                          |                                                                                                                    | 15                                            |                                                                                                                                   |

ARE THERE ANY OTHER PERSONS LIVING HERE – EVEN IF THEY ARE NOT MEMBERS OF YOUR FAMILY OR DO NOT HAVE PARENTS LIVING IN THIS HOUSEHOLD?

INCLUDING CHILDREN AT WORK OR AT SCHOOL? If yes, insert child's name and complete form.

Then, complete the totals below.

|        |             |          |
|--------|-------------|----------|
| Totals | Woman 15-49 | Under-5s |
|        |             |          |

\* See instructions: to be used only for elderly household members (code meaning "do not know/over age 50").

Now for each person age 15-49 years, write his/her name and line number and other identifying information in the information panel of the Individual Questionnaire.

For each child under age 5, write his/her name and line number AND the line number of his/her mother or caretaker in the information panel of the Questionnaire for Children Under Five.

You should now have a separate questionnaire for each eligible person and each child under five in the household.

**Codes for HL3: Relationship to head of household:**

01 = Head

02 = Wife or Husband

03 = Son or Daughter

04 = Son or Daughter In-Law

05 = Grandchild

06 = Parent

07 = Parent-In-Law

08 = Brother or Sister

09 = Brother or Sister-In-Law

10 = Uncle/Aunt

11 = Niece/Nephew By Blood

12 = Niece/Nephew By Marriage

13 = Other Relative

14 = Adopted/Foster/Stepchild

15 = Not Related

98 = Don't Know/over age 50 years

| EDUCATION MODULE                      |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      | ED    |       |                      |
|---------------------------------------|---------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------|-------|----------------------|
| For household members age 5 and older |               |                                                       |                                                                                                                                                                                                                             |                                                                                         | For household members age 5-24 years                                          |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| ED1.<br>Line no.                      | ED1A.<br>Name | ED2.<br>HAS (name) EVER ATTENDED SCHOOL OR PRESCHOOL? | ED3.<br>WHAT IS THE HIGHEST LEVEL OF SCHOOL (name) ATTENDED? WHAT IS THE HIGHEST GRADE (name) COMPLETED AT THIS LEVEL?                                                                                                      | ED4.<br>DURING THE 2009 SCHOOL YEAR, DID (name) ATTEND SCHOOL OR PRESCHOOL AT ANY TIME? | ED5.<br>SINCE LAST (day of the week), HOW MANY DAYS DID (name) ATTEND SCHOOL? | ED6.<br>DURING THE 2009 SCHOOL YEAR, WHICH LEVEL AND GRADE IS/WAS (name) ATTENDING?                                                                                                                                         | ED7.<br>DID (name) ATTEND SCHOOL OR PRESCHOOL AT ANY TIME DURING THE 2008 SCHOOL YEAR? | ED8.<br>DURING THE 2008 SCHOOL YEAR, WHICH LEVEL AND GRADE DID (name) ATTEND?                                                                                                                                               | ED9.<br>DURING THE PAST/LAST WEEK, DID (name) DO ANY KIND OF WORK FOR SOMEONE WHO IS NOT A MEMBER OF THIS HOUSEHOLD? |       |       |                      |
|                                       |               | 1 YES ⇒ ED3<br>2 NO ⇒ ED9                             | LEVEL:<br>01-06 PRE-SCHOOL<br>07-16 PRIMARY (I-V)<br>17 SECONDARY (VI-X)<br>18 HIGHER SECONDARY (XI-XII)<br>19 TERTIARY (DGREE & ABOVE)<br>20 NGO/MOSQUE BASED/QUAMI MADRASA<br>98 DK<br>GRADE:: 96 OTHER/NO GRADING SYSTEM | 1 YES<br>2 NO ⇒ ED7                                                                     | Insert number of days in space below.                                         | LEVEL:<br>01-06 PRE-SCHOOL<br>07-16 PRIMARY (I-V)<br>17 SECONDARY (VI-X)<br>18 HIGHER SECONDARY (XI-XII)<br>19 TERTIARY (DGREE & ABOVE)<br>20 NGO/MOSQUE BASED/QUAMI MADRASA<br>98 DK<br>GRADE:: 96 OTHER/NO GRADING SYSTEM | 1 YES<br>2 NO ⇒ ED9<br>8 DK ⇒ ED9                                                      | LEVEL:<br>01-06 PRE-SCHOOL<br>07-16 PRIMARY (I-V)<br>17 SECONDARY (VI-X)<br>18 HIGHER SECONDARY (XI-XII)<br>19 TERTIARY (DGREE & ABOVE)<br>20 NGO/MOSQUE BASED/QUAMI MADRASA<br>98 DK<br>GRADE:: 96 OTHER/NO GRADING SYSTEM | 1 YES, FOR PAY (CASH OR KIND)<br>2 YES, UNPAID<br>3 NO                                                               |       |       |                      |
| LINE                                  |               | YES NO                                                | LEVEL                                                                                                                                                                                                                       | GRADE                                                                                   | YES/NO                                                                        | DAYS                                                                                                                                                                                                                        | LEVEL                                                                                  | GRADE                                                                                                                                                                                                                       | YES / NO / DK                                                                                                        | LEVEL | GRADE | YES (PAID/UNPAID)/NO |
| 01                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 02                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 03                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 04                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 05                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 06                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 07                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 08                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 09                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 10                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 11                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 12                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 13                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 14                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |
| 15                                    |               |                                                       |                                                                                                                                                                                                                             |                                                                                         |                                                                               |                                                                                                                                                                                                                             |                                                                                        |                                                                                                                                                                                                                             |                                                                                                                      |       |       |                      |

Pre-School: 01. NGO; 02. Private (kindergarten); 03. Mosque based/moktab; 04. Govt - baby class/ pre-center attached to primary school; 05. Govt - paracenter based pre-school; 06. Other Primary; 07 Govt. Primary Schools; 08. Regd. NGPS; 09. Non-regd. NGPS; 10. Experimental Schools; 11. Community Schools; 12. Kindergarten; 13. NGO Schools; 14. Ebtidae Madrasahs; 15. Primary Sections of High Madrasahs; 16. Primary sections of High Schools.

| WATER AND SANITATION MODULE                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WS              |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|--|--|----|--|--|--|------|--|--|---------|--|--|----|--|--|
| WS1. NOW I'D LIKE TO ASK YOU SOME QUESTIONS ABOUT YOUR DRINKING WATER. CAN YOU PLEASE BRING ME A GLASS OF DRINKING WATER? (RECORD THE SAMPLE WATER BOTTLE CODE)                                                                         | <div style="text-align: center;"> <table border="1" style="margin: auto;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="3">Dist</td> <td colspan="3">Cluster</td> <td colspan="2">HH</td> </tr> </table> </div>                                                                                              |                 |         |  |  |    |  |  |  | Dist |  |  | Cluster |  |  | HH |  |  |
|                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |
| Dist                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 | Cluster |  |  | HH |  |  |  |      |  |  |         |  |  |    |  |  |
| WS2. WHAT IS THE SOURCE OF THIS DRINKING WATER?                                                                                                                                                                                         | Piped water<br>Piped into dwelling .....11<br>Piped into yard or plot .....12<br>Public tap/standpipe .....13<br>Tube well<br>Shallow Tube well (<500 feet).....21<br>Deep Tube well (500+ feet).....22<br>Dug well/Ring Well<br>Protected well.....31<br>Unprotected well.....32<br>Water from spring<br>Protected spring .....41<br>Unprotected spring .....42<br>Rainwater collection .....51<br>Surface water<br>(river, stream, dam, lake,<br>pond, canal, irrigation channel).....81<br>Pond Sand Filter.....82<br>Bottled water .....91<br>Other (specify).....96                                                                                             |                 |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |
| WS3. HAS THIS DRINKING WATER SOURCE BEEN TESTED FOR ARSENIC?                                                                                                                                                                            | Not tested .....1<br>Tested, don't know results .....2<br>Tested, arsenic level is safe (green) .....3<br>Tested, arsenic level is unsafe (red) .....4<br>DK .....8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |
| WS4. WHAT KIND OF TOILET FACILITY DO MEMBERS OF YOUR HOUSEHOLD USUALLY USE?<br><br><i>If "flush" or "pour flush", probe:<br/>           WHERE DOES IT FLUSH TO?</i><br><br><i>If necessary, ask permission to observe the facility.</i> | Flush to piped sewer system..... 11<br>Flush to septic tank ..... 12<br>Flush to other/unknown place/DK ..... 13<br><br>Pit latrine with slab and water seal..... 21<br>Pit latrines with no water seal:<br>Ventilated Improved Pit latrine (VIP) ..... 22<br>Pit latrine with slab and lid, no water seal ..... 23<br>Pit latrine with slab but no lid nor water seal... 24<br>Pit latrine with slab and flap, no water seal..... 25<br>Pit latrine without slab / open pit ..... 26<br><br>Composting toilet..... 31<br>Bucket latrine..... 41<br>Hanging toilet/hanging latrine..... 51<br><br>No facilities or bush or field ..... 95<br>Other (specify)..... 96 | 95⇒ NEXT MODULE |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |
| WS5. HOW MANY HOUSEHOLDS USE THIS TOILET FACILITY?                                                                                                                                                                                      | One..... 1<br>Two..... 2<br>Three or more ..... 3<br>DK ..... 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |         |  |  |    |  |  |  |      |  |  |         |  |  |    |  |  |



## QUESTIONNAIRE FOR WOMEN AGED 15-49 YEARS

| WOMEN'S INFORMATION PANEL                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                     | WM |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <p><i>This module is to be administered to all household members age 15 through 49 (see column HL6 of HH listing).<br/>Fill in one form for each eligible household member<br/>Fill in the cluster and household number, and the name and line number of the woman in the space below. Fill in your name, number and the date.</i></p> |                                                                                                                                                                                                                                                                     |    |
| WM1. Cluster number: <input type="text"/>                                                                                                                                                                                                                                                                                              | WM2. Household number: <input type="text"/>                                                                                                                                                                                                                         |    |
| Cluster Name: <input type="text"/>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                     |    |
| WM3. Eligible Women's Name: <input type="text"/>                                                                                                                                                                                                                                                                                       | WM4. Her Line Number: <input type="text"/>                                                                                                                                                                                                                          |    |
| WM5. Interviewer number: <input type="text"/>                                                                                                                                                                                                                                                                                          | WM6. Day/Month/Year of interview: <input type="text"/> / <input type="text"/> /2009                                                                                                                                                                                 |    |
| Interviewer Name: <input type="text"/>                                                                                                                                                                                                                                                                                                 | Day Month                                                                                                                                                                                                                                                           |    |
| WM7. Result of the individual interview                                                                                                                                                                                                                                                                                                | <p>Completed.....1<br/>                     Not at home .....2<br/>                     Refused.....3<br/>                     Partly completed .....4<br/>                     Incapacitated .....5</p> <p style="text-align: right;"><b>Other (specify) 6</b></p> |    |

*Repeat greeting if not already read to this person:*

WE ARE FROM THE BANGLADESH BUREAU OF STATISTICS. WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE ABOUT 10 MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED. ALSO, YOU ARE NOT OBLIGED TO ANSWER ANY QUESTION YOU DON'T WANT TO, AND YOU MAY WITHDRAW FROM THE INTERVIEW AT ANY TIME. MAY I START NOW?

*If permission is given, begin the interview. If the person does not agree to continue, thank his/her, complete WM7, and go to the next interview. Discuss this result with your supervisor for a future revisit.*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| WM8. IN WHAT MONTH AND YEAR WERE YOU BORN?                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date of birth:<br>Month..... <input type="text"/><br>DK month.....98<br>Year..... <input type="text"/><br>DK year.....9998                                                                                  |  |
| WM9. HOW OLD WERE YOU AT YOUR LAST BIRTHDAY?                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Age (in completed years)..... <input type="text"/>                                                                                                                                                          |  |
| <b>WM10. Check Education Module form:</b><br><input type="checkbox"/> Secondary or higher. ⇒ Go to Next Module<br><input type="checkbox"/> PRE-PRIMARY OR PRIMARY OR NON-STANDARD CURRICULUM. ⇒ CONTINUE WITH WM11                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                             |  |
| WM11. YOU HAVE REPORTED IN EDUCATION MODULE FORM THAT YOU HAVE RECEIVED SOME EDUCATION, NOW I WOULD LIKE YOU TO READ THIS SENTENCE TO ME.<br><br><i>Show sentences to respondent.<br/>                     If respondent cannot read whole sentence, probe:</i><br><br><b>CAN YOU READ PART OF THE SENTENCE TO ME?</b><br><br><i>Example sentences for literacy test:</i><br>1. Always speak the truth.<br>2. It is raining.<br>3. I go to school.<br>4. Birds chirping.<br>5. I drink tube well water. | Cannot read at all ..... 1<br>Able to read only parts of sentence..... 2<br>Able to read whole sentence ..... 3<br>No sentence in required language ..... 4<br>Blind/mute, visually/speech impaired ..... 5 |  |

| HIV/AIDS MODULE                                                                                                                                            |                                    | HA             |    |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------|----|----|
| HA1. NOW I WOULD LIKE TO TALK WITH YOU ABOUT SOMETHING ELSE.                                                                                               | Yes.....1<br>No .....2             | 2⇒ NEXT MODULE |    |    |
| HAVE YOU EVER HEARD OF THE VIRUS HIV OR AN ILLNESS CALLED AIDS?                                                                                            |                                    |                |    |    |
| HA2. CAN PEOPLE PROTECT THEMSELVES FROM GETTING INFECTED WITH THE AIDS VIRUS BY HAVING ONE SEX PARTNER WHO IS NOT INFECTED AND ALSO HAS NO OTHER PARTNERS? | Yes.....1<br>No .....2<br>DK.....8 |                |    |    |
| HA3. CAN PEOPLE GET INFECTED WITH THE AIDS VIRUS BECAUSE OF WITCHCRAFT OR OTHER SUPERNATURAL MEANS?                                                        | Yes.....1<br>No .....2<br>DK.....8 |                |    |    |
| HA4. CAN PEOPLE REDUCE THEIR CHANCE OF GETTING THE AIDS VIRUS BY USING A CONDOM EVERY TIME THEY HAVE SEX?                                                  | Yes.....1<br>No .....2<br>DK.....8 |                |    |    |
| HA5. CAN PEOPLE GET THE AIDS VIRUS FROM MOSQUITO BITES?                                                                                                    | Yes.....1<br>No .....2<br>DK.....8 |                |    |    |
| HA6. IS IT POSSIBLE FOR A HEALTHY-LOOKING PERSON TO HAVE THE AIDS VIRUS?                                                                                   | Yes.....1<br>No .....2<br>DK.....8 |                |    |    |
| HA7. CAN THE AIDS VIRUS BE TRANSMITTED FROM A MOTHER TO A BABY?                                                                                            |                                    |                |    |    |
|                                                                                                                                                            |                                    | Yes            | No | DK |
| HA7A. DURING PREGNANCY?                                                                                                                                    | During pregnancy .....             | 1              | 2  | 8  |
| HA7B. DURING DELIVERY?                                                                                                                                     | During delivery .....              | 1              | 2  | 8  |
| HA7C. BY BREASTFEEDING?                                                                                                                                    | By breastfeeding .....             | 1              | 2  | 8  |

| CHILD MORTALITY MODULE                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                               | CM            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <p><i>This module is to be administered to all women age 15-49.</i></p> <p><i>All questions refer only to LIVE births.</i></p>                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                               |               |
| <p>CM1. NOW I WOULD LIKE TO ASK ABOUT ALL THE BIRTHS YOU HAVE HAD DURING YOUR LIFE. HAVE YOU EVER GIVEN BIRTH?</p> <p><i>If "No" probe by asking:</i></p> <p>I MEAN, TO A CHILD WHO EVER BREATHED OR CRIED OR SHOWED OTHER SIGNS OF LIFE – EVEN IF HE OR SHE LIVED ONLY A FEW MINUTES OR HOURS?</p>    | <p>Yes .....1</p> <p>No .....2</p>                                                                                                                                                                                                                                                                                            | 2⇒ CM15       |
| <p>CM2A. WHAT WAS THE DATE OF YOUR FIRST BIRTH?</p> <p>I MEAN THE VERY FIRST TIME YOU GAVE BIRTH, EVEN IF THE CHILD IS NO LONGER LIVING, OR WHOSE FATHER IS NOT YOUR CURRENT PARTNER.</p> <p><i>Skip to CM3 only if year of first birth is given.</i></p> <p><i>Otherwise, continue with CM2B.</i></p> | <p>Date of first birth</p> <p>Day ..... <input type="text"/> <input type="text"/></p> <p>DK day .....98</p> <p>Month..... <input type="text"/> <input type="text"/></p> <p>DK month.....98</p> <p>Year ..... <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>DK year .....9998</p> | ⇒CM3<br>↓CM2B |
| <p>CM2B. HOW MANY YEARS AGO DID YOU HAVE YOUR FIRST BIRTH?</p>                                                                                                                                                                                                                                         | <p>Completed years since first birth ..... <input type="text"/> <input type="text"/></p>                                                                                                                                                                                                                                      |               |
| <p>CM3. DO YOU HAVE ANY SONS OR DAUGHTERS TO WHOM YOU HAVE GIVEN BIRTH WHO ARE NOW LIVING WITH YOU?</p>                                                                                                                                                                                                | <p>Yes .....1</p> <p>No .....2</p>                                                                                                                                                                                                                                                                                            | 2⇒ CM5        |
| <p>CM4. HOW MANY SONS LIVE WITH YOU?</p> <p>HOW MANY DAUGHTERS LIVE WITH YOU?</p>                                                                                                                                                                                                                      | <p>Sons at home..... <input type="text"/> <input type="text"/></p> <p>Daughters at home ..... <input type="text"/> <input type="text"/></p>                                                                                                                                                                                   |               |
| <p>CM5. DO YOU HAVE ANY SONS OR DAUGHTERS TO WHOM YOU HAVE GIVEN BIRTH WHO ARE ALIVE BUT DO NOT LIVE WITH YOU?</p>                                                                                                                                                                                     | <p>Yes .....1</p> <p>No .....2</p>                                                                                                                                                                                                                                                                                            | 2⇒ CM7        |
| <p>CM6. HOW MANY SONS ARE ALIVE BUT DO NOT LIVE WITH YOU?</p> <p>HOW MANY DAUGHTERS ARE ALIVE BUT DO NOT LIVE WITH YOU?</p>                                                                                                                                                                            | <p>Sons elsewhere ..... <input type="text"/> <input type="text"/></p> <p>Daughters elsewhere..... <input type="text"/> <input type="text"/></p>                                                                                                                                                                               |               |
| <p>CM7. HAVE YOU EVER GIVEN BIRTH TO A BOY OR GIRL WHO WAS BORN ALIVE BUT LATER DIED?</p>                                                                                                                                                                                                              | <p>Yes .....1</p> <p>No .....2</p>                                                                                                                                                                                                                                                                                            | 2⇒ CM9        |
| <p>CM8. HOW MANY BOYS HAVE DIED?</p> <p>HOW MANY GIRLS HAVE DIED?</p>                                                                                                                                                                                                                                  | <p>Boys dead..... <input type="text"/> <input type="text"/></p> <p>Girls dead ..... <input type="text"/> <input type="text"/></p>                                                                                                                                                                                             |               |
| <p>CM9. Sum answers to CM4, CM6, and CM8.</p>                                                                                                                                                                                                                                                          | <p>Sum ..... <input type="text"/> <input type="text"/></p>                                                                                                                                                                                                                                                                    |               |
| <p>CM10. JUST TO MAKE SURE THAT I HAVE THIS RIGHT, YOU HAVE HAD IN TOTAL (<i>total number</i>) BIRTHS DURING YOUR LIFE. IS THIS CORRECT?</p> <p><input type="checkbox"/> Yes. ⇒ Go to CM11</p> <p><input type="checkbox"/> No. ⇒ Check responses and make corrections before proceeding to CM11</p>    |                                                                                                                                                                                                                                                                                                                               |               |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                            |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>CM11.</b> OF THESE ( <i>total number</i> ) BIRTHS YOU HAVE HAD, WHEN DID YOU DELIVER THE LAST ONE (EVEN IF HE OR SHE HAS DIED)?<br><br>If day is not known, enter '98' in space for day.                                                                                                                                                                                                                                                                                                                                                                                                                    | Date of last birth <input type="text"/> / <input type="text"/> / <input type="text"/><br>Day                      Month                      Year                                                                                                                          |        |
| <b>CM12.</b> WHO ASSISTED WITH THE DELIVERY OF THE LAST CHILD ( <i>name</i> )?<br><br>ANYONE ELSE?<br><br><i>Probe for the type of person assisting and circle all answers given.</i>                                                                                                                                                                                                                                                                                                                                                                                                                          | Health professional:<br>Doctor ..... A<br>Nurse/midwife ..... B<br>Auxiliary midwife ..... C<br>Other person<br>Traditional birth attendant ..... F<br>Community health worker ..... G<br>Relative/friend ..... H<br><br><b>Other (<i>specify</i>) X</b><br>No one ..... Y |        |
| <b>CM13.</b> DID YOU EVER BREASTFEED ( <i>name</i> )?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes ..... 1<br>No ..... 2                                                                                                                                                                                                                                                  | 2⇒CM15 |
| <b>CM14</b> HOW LONG AFTER BIRTH DID YOU FIRST PUT ( <i>name</i> ) TO THE BREAST?<br><br><i>If less than 1 hour, record '00' hours.<br/>         If less than 24 hours, record hours.<br/>         Otherwise, record days.</i>                                                                                                                                                                                                                                                                                                                                                                                 | Immediately ..... 0                      00<br><br>Hours ..... 1 <input type="text"/><br><i>or</i><br>Days ..... 2 <input type="text"/><br><br>Don't know/remember ..... 8                      98                                                                         |        |
| <b>CM15.</b> DOES ANY OTHER ELIGIBLE WOMAN AGE 15-49 RESIDE IN THE HOUSEHOLD?<br>CHECK HOUSEHOLD LISTING, COLUMN HL7. YOU SHOULD HAVE A QUESTIONNAIRE WITH THE INFORMATION PANEL FILLED IN FOR NEXT ELIGIBLE WOMAN.<br><br><input type="checkbox"/> YES. ⇒ GO TO QUESTIONNAIRE FOR INDIVIDUAL WOMEN TO ADMINISTER THE QUESTIONNAIRE TO THE NEXT ELIGIBLE WOMAN.<br><br><input type="checkbox"/> No. ⇒ Continue (CM16)                                                                                                                                                                                          |                                                                                                                                                                                                                                                                            |        |
| <b>CM16.</b> Does any child under the age of 5 reside in the household?<br>Check household listing, column HL8. You should have a questionnaire with the Information Panel filled in for each eligible child.<br><br><input type="checkbox"/> Yes. ⇒ Go to QUESTIONNAIRE FOR CHILDREN UNDER FIVE to administer the questionnaire to caretaker of the first eligible child.<br><br><input type="checkbox"/> No. ⇒ End the interview by thanking the respondent for his/her cooperation.<br>Gather together all questionnaires for this household and tally the number of interviews completed on the cover page |                                                                                                                                                                                                                                                                            |        |



# QUESTIONNAIRE FOR CHILDREN UNDER FIVE

| UNDER-FIVE CHILD INFORMATION PANEL                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                             | UF |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----|
| <p>This questionnaire is to be administered to all mothers or caretakers (see household listing, column HL8) who care for a child that lives with them and is under the age of 5 years (see household listing, column HL5).<br/> A separate questionnaire should be used for each eligible child.<br/> Fill in the cluster and household number, and names and line numbers of the child and the mother/caretaker in the space below. Insert your own name and number, and the date.</p> |                                                                                                                                             |    |
| UF1. Cluster number: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>Cluster Name: _____                                                                                                                                                                                                                                                                                                                | UF2. Household number: <input type="text"/> <input type="text"/>                                                                            |    |
| UF3. Child's Name: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | UF4. Child's Line Number: <input type="text"/> <input type="text"/>                                                                         |    |
| UF5. Mother's/Caretaker's Name: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UF6. Mother's/Caretaker's Line Number: <input type="text"/> <input type="text"/>                                                            |    |
| UF7. Interviewer number: <input type="text"/> <input type="text"/><br>Interviewer name: _____                                                                                                                                                                                                                                                                                                                                                                                            | UF8. Day/Month/Year of interview: <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 2009<br>Day Month |    |
| UF9. Result of interview for children under 5<br>(Codes refer to mother/caretaker.)                                                                                                                                                                                                                                                                                                                                                                                                      | Completed ..... 1<br>Not at home ..... 2<br>Refused ..... 3<br>Partly completed ..... 4<br>Incapacitated ..... 5<br>Other (specify) ..... 6 |    |

Repeat greeting if not already read to this respondent:

WE ARE FROM (country-specific affiliation). WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THIS. THE INTERVIEW WILL TAKE ABOUT (number) MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE IDENTIFIED. ALSO, YOU ARE NOT OBLIGED TO ANSWER ANY QUESTION YOU DON'T WANT TO, AND YOU MAY WITHDRAW FROM THE INTERVIEW AT ANY TIME. MAY I START NOW?

If permission is given, begin the interview. If the respondent does not agree to continue, thank him/her and go to the next interview. Discuss this result with your supervisor for a future revisit.

|                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>UF10. NOW I WOULD LIKE TO ASK YOU SOME QUESTIONS ABOUT EACH CHILD UNDER THE AGE OF 5 IN YOUR CARE, WHO LIVES WITH YOU NOW.<br/> NOW I WANT TO ASK YOU ABOUT (name).<br/> IN WHAT MONTH AND YEAR WAS (name) BORN?<br/> Probe: WHAT IS HIS/HER BIRTHDAY?</p> <p>If the mother/caretaker knows the exact birth date, also enter the day; otherwise, circle 98 for day.</p> | <p>Date of birth:<br/> Day ..... <input type="text"/> <input type="text"/><br/> DK day ..... 98<br/> Month ..... <input type="text"/> <input type="text"/><br/> Year ..... <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> |  |
| <p>UF11. HOW OLD WAS (name) AT HIS/HER LAST BIRTHDAY?<br/> Record age in completed years.</p>                                                                                                                                                                                                                                                                              | <p>Age in completed years ..... <input type="text"/></p>                                                                                                                                                                                                           |  |

| BIRTH REGISTRATION AND EARLY LEARNING MODULE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                     | BR    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------|
| BR1. DOES (name) HAVE A BIRTH CERTIFICATE?<br>MAY I SEE IT?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Yes, seen.....1<br>Yes, not seen.....2<br>No .....3<br><br>DK.....8 | 1⇒BR3 |
| BR2. HAS (name's) BIRTH BEEN REGISTERED WITH THE CIVIL AUTHORITIES?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes.....1<br>No .....2<br>DK.....8                                  |       |
| BR3. Check age of child in UF11: Child is 3 or 4 years old?<br><input type="checkbox"/> Yes. ⇒ Continue with BR4<br><input type="checkbox"/> No. ⇒ Go to BR5                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                     |       |
| BR4. DOES (name) ATTEND ANY ORGANIZED LEARNING OR EARLY CHILDHOOD EDUCATION PROGRAMME, SUCH AS A PRIVATE OR GOVERNMENT FACILITY, INCLUDING KINDERGARTEN OR COMMUNITY CHILD CARE?                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes.....1<br>No .....2<br>DK.....8                                  |       |
| BR5. Does another eligible child reside in the household for whom this respondent is mother/caretaker?<br>Check household listing, column HL8.<br><br><input type="checkbox"/> Yes. ⇒ End the current questionnaire and then<br>Go to <u>QUESTIONNAIRE FOR CHILDREN UNDER FIVE</u> to administer the questionnaire for the next eligible child.<br><br><input type="checkbox"/> No. ⇒ End the interview with this respondent by thanking him/her for his/her cooperation.<br><br>GATHER TOGETHER ALL QUESTIONNAIRES FOR THIS HOUSEHOLD AND TALLY THE NUMBER OF INTERVIEWERS COMPLETED ON THE COVER PAGE (HH12-15) |                                                                     |       |

## ANNEX E: MICS INDICATORS: NUMERATORS AND DENOMINATORS

| Topic                | Indicator                                                           | Numerator                                                                                                                                                | Denominator                                                                                   |
|----------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Health and nutrition | Timely initiation of breastfeeding (less than one hour after birth) | Number of women with a live birth in the two years preceding the survey who put the newborn infant to the breast within one hour of birth                | Total number of women with a live birth in the two years preceding the survey                 |
|                      | Under-five mortality rate                                           | Probability of dying by the exact age five years                                                                                                         |                                                                                               |
|                      | Infant mortality rate                                               | Probability of dying by the exact age one year                                                                                                           |                                                                                               |
|                      | Skilled attendant at birth                                          | Number of women aged 15-49 years with a live birth in the two years preceding the survey who were attended during childbirth by skilled health personnel | Total number of women age 15-49 years with a live birth in the two years preceding the survey |
| Education            | Pre-school attendance rate (36-59 month-olds)                       | Number of children aged 36-59 months who are attending some form of organized early childhood education programme                                        | Total number of children age 36-59 months                                                     |
|                      | Primary net intake rate                                             | Number of children of school-entry age (six years) who are currently attending first grade of primary school                                             | Total number of children of school-entry age (six years)                                      |
|                      | Net attendance rate in primary education                            | Number of children of primary school age (6-10 years) currently attending primary or secondary school                                                    | Total number of children of primary school age (6-10 years)                                   |
|                      | Net attendance rate in secondary education                          | Number of children of secondary school age (11-17 years) currently attending secondary school or higher                                                  | Total number of children of secondary-school age (11-17 years)                                |
|                      | Gender parity index in primary education                            | Net primary school attendance ratio for girls                                                                                                            | Net primary school attendance ratio for boys                                                  |
|                      | Gender parity index in secondary education                          | Net secondary school attendance ratio for girls                                                                                                          | Net secondary school attendance ratio for boys                                                |
|                      | Proportion of pupils starting grade 1 who reach grade 5             | Proportion of children entering the first grade of primary school who eventually reach last grade                                                        |                                                                                               |
|                      | Primary drop-out rate                                               | Number of children who were in primary school in 2008 and not in school in 2009                                                                          | Total number of children who were in primary school in 2008                                   |
|                      | Secondary drop-out rate                                             | Number of children who were in secondary school in 2008 and not in school in 2009                                                                        | Total number of children who were in secondary school in 2008                                 |
|                      | Primary repetition rate                                             | Number of children who were in a grade of primary school in 2008 and in the same grade in 2009                                                           | Total number of children who were in primary school in 2008                                   |
|                      | Secondary repetition rate                                           | Number of children who were in a grade of secondary school in 2008 and in the same grade in 2009                                                         | Total number of children who were in secondary school in 2008                                 |

| Topic            | Indicator                                                                                            | Numerator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Denominator                                                   |
|------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| HIV and AIDS     | Literacy rate of women aged 15-24 years                                                              | Number of women aged 15-24 who are able to read a short simple statement about everyday life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total number of women age 15-24 years                         |
|                  | Comprehensive knowledge of HIV and AIDS among young people (women)                                   | Number of women aged 15-24 years who correctly identify two ways of preventing HIV infection, know that a healthy looking person can have HIV, and reject the two most common misconceptions about HIV transmission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total number of women age 15-24 years                         |
| Environment      | Use of an improved drinking water source - adjusted for arsenic contamination (<50 micrograms/litre) | Number of household members using improved sources of drinking water (improved sources are the following types: piped into dwelling, yard or plot; public tap/standpipe; tubewell; protected well and spring; rainwater; pond sand filter; bottled water)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total number of household members                             |
|                  | Use of an improved sanitation facility                                                               | Number of household members using improved sanitation facilities (based on the GoB definition the following types are considered hygienic: flush to piped sewer system; flush to septic tank; pit latrine with slab and water seal; ventilated improved pit latrine (VIP); pit latrines with no water seal but with slab and lid; pit latrine with slab but no lid nor water seal; composting toilet. In addition, the sharing of a facility by one or two households is acceptable.<br><br>According to the JMP definition, improved sanitation includes: flush to piped sewer system; flush to septic tank; pit latrine with slab and water seal; ventilated improved pit latrine (VIP); pit latrines with no water seal but with slab and lid; pit latrine with slab but no lid nor water seal; pit latrine with slab and flap; no water seal composting toilet. The sharing of a facility is not acceptable) | Total number of household members                             |
|                  | Proportion of households having drinking water sources with arsenic level of less than 50 micrograms | Number of households where drinking water was tested and found to have an Arsenic level of less than 50 micrograms per litre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total number of households in which drinking water was tested |
|                  | Households aware that drinking water source has been tested for arsenic contamination                | Number of household members who use tube well and are aware that drinking water source has been tested for arsenic contamination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Total number of households members who use tube well          |
|                  |                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
| Child protection | Birth registration                                                                                   | Number of children under the age of five whose births were reported as registered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Total number of children under the age of five                |
|                  | Child labour (6-14 year-olds not attending school)                                                   | Number of children aged 6-14 years who are not in school and engaging in paid and unpaid work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Total number of children aged 6-14 years                      |

## ANNEX F: INDIVIDUALS INVOLVED IN THE SURVEY

### Planning Division, Ministry of Planning

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| Mr. Md. Habib Ullah Majumder | Secretary, Planning Division                           |
| Mr. Kazi Akhtar Uddin Ahmed  | Joint Secretary, Statistics Wing, Planning Division    |
| Mr. Kabiruddin Ahmed         | Ex Joint Secretary, Statistics Wing, Planning Division |

### Bangladesh Bureau of Statistics

|                                |                            |
|--------------------------------|----------------------------|
| Mr. Md. Shajahan Ali Mollah    | Director General           |
| Mr. A Y M Ekramul Hoque        | Ex Director General        |
| Mr. Sheikh Abdul Ahad          | Deputy Director General    |
| Mr. Abul Kashem                | Ex Deputy Director General |
| Mr. Md. Ashraf Ali             | Ex Director                |
| Mr. S M Shawkat Ali            | Ex Director                |
| Mr. Md. Nawser Ahmed Chowdhury | Ex Director                |
| Mr. Abul Kalam Azad            | Director                   |
| Mr. Durga Pada Bhattacharjee   | Ex Director                |
| Mr. Md. Shamsul Alam           | Project Director           |
| Mr. Md. Mujib Ullah            | Joint Director             |
| Mr. Alauddin Al Azad           | Deputy Director            |
| Mr. Alamgir Hossain            | Deputy Director            |
| Mr. Hefzur Rahman              | Deputy Director            |
| Mr. S M Shahjahan              | Deputy Director            |
| Mr. Abdul Qadir Mia            | Deputy Director            |
| Mr. Md. Israil Hossain Sikder  | Ex Deputy Director         |
| Mr. Md. Abul Kalam Azad        | Deputy Director            |
| Mr. A K M Anisur Rahman        | Deputy Director            |
| Mr. Mohammad Shahin            | Deputy Director            |
| Mr. Md. Dildar Hossain         | Deputy Director            |
| Mr. Mir Hossain                | Deputy Director            |
| Mr. Nuruddin Ahmad             | Deputy Director            |
| Mr. Ziauddin Ahmed             | Deputy Director            |
| Mr. Md. Abdul Mazid Mia        | Deputy Director            |
| Mr. Md. Aminul Islam           | Deputy Director            |
| Mr. Md. A K M Fazlul Hoque     | Deputy Director            |
| Mr. AKM Tahidul Islam          | Deputy Director            |
| Mst. Maksuda Shilpi            | Deputy Director            |
| Mr. AKM Ashraful Haque         | Deputy Director            |

|                                  |                     |
|----------------------------------|---------------------|
| Mr. Md. Mizanur Rahman Khandaker | Deputy Director     |
| Mr. Bidhan Baral                 | Deputy Director     |
| Mr. Hafizur Rahman               | Deputy Director     |
| Mr. Abul Kalam Azad              | Deputy Director     |
| Mr. Md. Masud Alam               | Deputy Director     |
| Mr. Abdur Rahim                  | Deputy Director     |
| Mr. Abdur Rashid Howlader        | Programmer          |
| Mr. Abul Kashem                  | Programmer          |
| Mr. Md. Hafizur Rahman           | Programmer          |
| Mr. Md. Faruque Sohel            | Programmer          |
| Mr. Md. Mofizul Islam            | Programmer          |
| Mr. Md. Safat Ullah              | Programmer          |
| Mr. Md. Rezaul Karim             | Programmer          |
| Ms. Delwara Begum                | Statistical Officer |
| Mr. S M Kamrul Islam             | Statistical Officer |
| Mr. Md. Abdur Rob Dhali          | Statistical Officer |
| Mr. Md. Saifur Rahman            | Statistical Officer |
| Mr. Md. Mahbubur Rahman          | Statistical Officer |
| Mr. Md. Saidur Rahman            | Statistical Officer |
| Mr. Fakruddin Ahmad              | Statistical Officer |
| Mr. Md. Mahmuduzzaman            | Statistical Officer |
| Mr. Md. Sahabuddin Sarkar        | Statistical Officer |
| Mr. Md. Shahidul Islam           | Statistical Officer |
| Mr. Md. Shafiqul Islam           | Statistical Officer |
| Mr. Md. Shaddam Hossain          | Statistical Officer |
| Mr. Md. Mizanur Rahman Howlader  | Statistical Officer |
| Mr. Mostafa Ashrafuzzaman        | Statistical Officer |
| Mr. Abdul Khalek                 | Statistical Officer |
| Mr. Md. Monowar Hossain          | Statistical Officer |
| Mr. Tofail Ahmed                 | Statistical Officer |
| Mr. Md. Akter Hossain            | Statistical Officer |
| Mr. Selim Sarkar                 | Statistical Officer |
| Mr. Md. Asrafur Islam            | Statistical Officer |
| Mr. Abdul Alim Bhywan            | Statistical Officer |
| Mr. Amzad Hossain                | Statistical Officer |
| Mr. Gautam Krishna Pal           | RSO (in charge)     |
| Mr. Wahedur Rahman               | Statistical Officer |
| Mr. Babul Ranjan Bhounik         | RSO (in charge)     |
| Mr. Md. Abdul Halim              | Statistical Officer |
| Mr. Md. Sahadat Hossain          | RSO (in charge)     |
| Mr. Syed Riazul Islam            | Statistical Officer |
| Mr. Md. Zulfiker Ali Khan        | Statistical Officer |
| Mr. Md. Alamgir Hossain          | Statistical Officer |

|                              |                               |
|------------------------------|-------------------------------|
| Ms. Minakhee Biswas          | Statistical Officer           |
| Mr. Iftekhairul Karim        | Statistical Officer           |
| Mr. Mohiuddin Ahmed          | Statistical Officer           |
| Mr. Lizen Shah Nayeem        | Statistical Officer           |
| Ms. Azizar Rahman            | Statistical Officer           |
| Mr. A K M Abdul Khaleque     | RSO(in charge)                |
| Mr. Abdul Latif              | Assistant Statistical Officer |
| Mr. Abul Hossain             | Assistant Statistical Officer |
| Ms Nazneen Sultana Khan      | Statistical Investigator      |
| Ms Morsheda Begum            | Statistical Investigator      |
| Ms.Khohinoor Hossain         | Statistical Investigator      |
| Purabi Rani Dev              | Computer Operator             |
| Ms. Rokeya Begum             | Statistical Assistant         |
| Mr. A K M Faruk Ahmed Mollah | Statistical Assistant         |
| Ms. Setara Begum             | Statistical Assistant         |
| Mr. S M Anwar Husain         | Statistical Assistant         |
| Mr. Zahirul Hoque Sarker     | Steno Typist                  |
| Mr. Alamgir Hossain          | Steno Typist                  |



## ANNEX G: TECHNICAL COMMITTEE MEMBERS

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Director General, *Bangladesh Bureau of Statistics*

Joint Secretary, *Statistics Wing, Planning Division*

Joint Secretary (United Nations), *Economic Relations Division, Ministry of Finance*

Deputy Director General, *Bangladesh Bureau of Statistics*

Joint Chief, *Poverty Analysis and Monitoring Wing, General Economic Division, Planning Commission*

Joint Chief, *Sports, Culture, Youth, Social Welfare, Women Affairs and Mass Communication Wing, Planning Commission*

Director General, *Department of Women and Children Affairs*

Director General, *Primary Education*

Chief Engineer, *Department of public Health Engineering*

Director, *Primary Health Care, Directorate of Health*

Director, *Coordination and Management Information System, Implementation Monitoring and Evaluation Division, Planning Ministry*

Director, *Demography and Health Wing, Bangladesh Bureau of Statistics*

Director Census Wing, *Bangladesh Bureau of Statistics*

Director, *Institute of Statistical Research and Training, Dhaka University*

Director, *Institute of Nutrition and Food Sciences, Dhaka University*

Chief, *Planning, Monitoring and Evaluation Section, UNICEF, Dhaka*

Planning, Monitoring and Evaluation Specialist, *UNICEF, Dhaka*

Project Director, *Sample Vital Registration System Project, Bangladesh Bureau of Statistics*

Project Director, *Monitoring the Situation of Children and Women Project, Bangladesh Bureau of Statistics*

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Bangladesh  
Multiple Indicator Cluster Survey 2009  
Progotir Pathey  
2009

ISBN 984-70292-0008-7