



Special Supplement

Safe Motherhood Day 2011

হাসপাতালে প্রসব করান, মা ও শিশুর জীবন বাঁচান



Saturday, May 28, 2011

Maternal Mortality Drops 40% in Bangladesh

The 2010 Bangladesh Maternal Mortality and Health Care Survey (BMMS 2010), a nationally representative survey sponsored by the Government of Bangladesh, has revealed that maternal mortality has fallen by 40 percent from the levels found in a similar survey in 2001. This drop is a major achievement for Bangladesh and places her ahead of pace to achieve the Millennium Development Goal 5 (MDG5) target of reducing the maternal mortality ratio* to 143 deaths per 100,000 live births by 2015.

The BMMS 2010 was funded by the Government of Bangladesh, USAID, the Australian Agency for International Development (AusAID) and the United Nations Population Fund (UNFPA). It was conducted by the National Institute for Population Research and Training (NIPORT), with technical assistance from MEASURE Evaluation, the International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B) and USAID/Bangladesh. The main purpose for conducting BMMS 2010 was to assess progress toward MDG5.

During the last two decades, the Government of Bangladesh has invested in a maternal health programme with support from a number of development partners. Committing to achieving MDG5, Bangladesh's targets are to reduce the maternal mortality ratio (MMR) to 143 per 100,000 live births by 2015, and to increase skilled attendance at child birth to 50 percent by 2010. In the last decade, the health, nutrition and population sector programme of Bangladesh has adopted a national strategy for maternal health focusing on Emergency Obstetric Care (EmOC) for reducing maternal mortality, focusing especially on early detection and referral of complications during pregnancy and during and after delivery, and improvement of quality of care. Since 2004, the government embarked on a program to train existing government community health care workers as Community Skilled Birth Attendants

(CSBA) as the primary operational strategy for achieving the 2015 target of 50 percent skilled attendance at birth.

The survey was carried out from January to August 2010 in a national sample of 175,000 households, interviewing ever-married women ages 13 to 49, as well as investigating any deaths to women of reproductive ages, especially maternal deaths.

The 2010 survey showed that maternal mortality declined from 322 in 2001 to 194 in 2010; a 40 percent decline in nine years. The rate of decline was at an average of about 5.5 percent per year, compared to the average annual rate of reduction of 5.4 percent required for achieving MDG5. Bangladesh appears to be on track to achieving the primary target of MDG5.

Comparing the 2001 and 2010 surveys show that the overall mortality among women in the reproductive ages has declined across all ages during these nine years. Consistent with the trend in overall mortality among women in the reproductive ages, maternal mortality has also declined in almost all ages between the two surveys. Deaths during both pregnancy and delivery has declined by 50 percent, while maternal deaths after delivery went down by only about a third.

The entire decline in MMR has been due to reductions in all causes of direct obstetric deaths**. Haemorrhage and eclampsia are the dominant direct obstetric causes of deaths, together responsible for more than half of the MMR. Obstructed or prolonged labour (7%) and abortions (1%) are the other direct obstetric causes of deaths. We note that abortion-related deaths declined from 5% of MMR in 2001 to about 1% of MMR in 2010. The 2010 survey also did not identify any case of infection as an underlying maternal cause of death. Indirect obstetric causes*** of deaths account for about a third (35%) of maternal deaths.

Where do we go from here?

Attaining MDG5 will require further efforts to



achieve a further 25% reduction in MMR. What are the options? These options have been discussed in the other articles in this supplement?

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***Direct obstetric death: Deaths resulting from obstetric complications of the pregnant state (pregnancy, labor and puerperium) from interventions, omissions, incorrect treatment, or from a chain of events resulting from any of the above*

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