Introduction
Every year millions of infant die throughout the world, mostly in developing countries. In Bangladesh, infant has continued a notable decline but it is still high in Bangladesh compared to other South Asian countries. Various factors including community factors also influence infant mortality and improvement of public health and family planning. At the community level, infant mortality might be influenced by specific cultures and customs. In Bangladesh, breastfeeding in rural areas appears to be shaped by the beliefs of a community, which are further influenced by social, cultural, and economic factors. Initiation of breast feeding immediately after birth

Abstract
The study attempted to describe the pattern of breast feeding practice among the rural women of Bangladesh with last child below 5 years of age living in the villages of Dumuria Upazilla. Due to small size of study group limited analysis were possible yet important variables such as the level of maternal education, age of starting complementary food, food used during weaning period, maternal knowledge of importance of colostrum and feeding of colostrum to the infant were considered. One of the important variables of the study was the level of the education of the respondents. As per the study, the majority (41.06%) of the respondents passed secondary level. Maximum 90.0% mothers gave breast milk, 4.4% gave honey, 4.4% gave others and minimum 1.2% gave mixed food just after delivery. Majority 46% started breast feeding after 4 hours, 44.8% had within 1 hour, 2.4% after 3 hours of delivery. Maximum 89.2% of the respondent fed exclusive breast feeding up to 1-2 months, 9.6% fed up to 3-4 months, and 1.2% fed up to 5-6 months. Maximum 48.4% fed breast milk for 3-4 months. Maximum 88.8% started complementary food within 6 months, 11.2% after 6 months.

Key words: Breast feeding, Rural women

Breast feeding practice among the rural women in selected villages of Dumuria upazilla, Khulna
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in Bangladesh preceded by so called pre-lacteal feeds. About 98% new born are traditionally fed “heating foods” such as honey, sugar water, or mustard oil with believe that these foods give strength and prevent colds during first few days of life and they also believed that honey makes babies’ voice sweet.\(^2\) Breast milk contains antibodies and live cells which protect infants from bacterial and viral pathogens and stimulates the infant’s immune system.\(^3\) There are two main reasons for poor breastfeeding rates in our country: (i) a lack of support for mothers to initiate and sustain breastfeeding and (ii) secondly the erosion in breastfeeding practices by the violations of the national and international codes for the marketing of breast milk substitutes by the milk companies. Human milk provides advantages with strongest defense comes from colostrums, the substance produced in the first few days after birth, which provides the baby’s first immunization. This works both before and during the time of feeding, the baby acquires active immunity through breast milk. The beneficial effects of breast milk depend on breastfeeding initiation, its duration, and the age at which the breast-feed child is weaned.\(^4\) We know from the Lancet 2003 Child survival series and from Karen Edmond’s 2006 Pediatrics paper from Ghana\(^5\) that universal optimal breastfeeding and complementary feeding are the most significant determinants of child mortality reduction in low and middle income countries. So, young child feeding practices are crucial for improving the health and nutritional status of children. Almost 96% of Bangladeshi children are breastfed for some period of time but only 9% initiate during the first hour of life and 48% within the first day of life.\(^6\) In Bangladesh, tragically the majority of fewer than 5 deaths (80%) occur in the 1st year of life, out of them, 45% from neonatal infection, 30% from diarrheal, 18% from acute respiratory infection. The importance of exclusive breastfeeding and the immunological and nutritional values of breast milk have been demonstrated in deferent records. Breastfeeding is one of the most important determinants of birth spacing and prevention of childhood infections.\(^7\) Early initiation of breastfeeding helps mothers and child to get extra contact which foster bonding between mother and child from first hours of baby’s life.\(^8\) Hence, the study with these relationships helps in orienting the breastfeeding promotional activities and for preventing a decline in initiation and duration of breastfeeding practices.

**Materials and methods**

A descriptive type of cross sectional study was carried out on breast feeding practices among rural women at the villages named Gutudia of Dumuria Upazilla from 30 January to 8th February, 2018. By purposive sampling technique a total number of 250 respondents having child less than 5 years old were included as sample. Before the collection of data, a structured questionnaire was prepared to explore the objective of the study. The contents were onset of breast-feeding, duration of breast-feeding, and weaning period. After collection, data were verified, edited for its consistency. The data were compiled, tabulated and processed in the computer according to the key variables. Data was processed and analyzed manually and by Computer. Data were presented by bar diagram and pie chart.

**Results**

**Table 01:** Distribution of respondents according to age (n=250)

<table>
<thead>
<tr>
<th>Age</th>
<th>No of respondents</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-25 Years Old</td>
<td>144</td>
<td>57.6%</td>
</tr>
<tr>
<td>26-33 Years Old</td>
<td>85</td>
<td>34.0%</td>
</tr>
<tr>
<td>34-41 Years old</td>
<td>21</td>
<td>8.4%</td>
</tr>
<tr>
<td>Total</td>
<td>250</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

It was revealed that majority of the respondents 57.6% were from 18-25 years age group. Mean age of respondents was 22 (±5.18) years
Figure 01: Distribution of respondents according to level of education (n=250)

Figure 01 shows that majority 41.6 % of the respondents were secondary level, 28% were primary level, 10.4% were higher secondary level, 8.4% were informal education, only 7.6% were graduate and 4% were illiterate.

Table 02: Shows that, the age of the children was within 1-5 years.

Figure 02: Distribution of mothers according to type of food given just after delivery (n=250)

Figure 02: Shows that, the maximum 90.0% mothers gave breast milk, 4.4% gave honey, 4.4% gave others and minimum 1.2% gave mixed food.

Table 03: Distribution of mothers according to starting-time of breast feeding just after delivery in hours (n=250)

Table 03: Shows that the majority 46% started breast feeding after 4 hours, 44.8% had within 1 hour, 6.8% after 1st hours, and 2.4% after 3 hours.

Figure 03: Distribution of mothers according to how many months they gave exclusive breast feeding (n=250)

Figure 03: Shows that the maximum 89.2% of the respondent fed exclusive breast feeding up to 1-2 months, 9.6% fed up to 3-4 months, 1.2% fed up to 5-6 months.

Table 04: Distribution of mothers according to how many months they have given breast feeding (n=250):

Table 04: Shows that the majority 38.0% were fed in 1-2 months, 48.4% in 3-4 months, 13.6% in 5-6 months.
Table 04: Shows that, the maximum (48.4%) fed for 3-4 months, 38% fed for 1-2 months and 13.6% fed for 5-6 months.

Table 05: Distribution of respondents according to time of starting complementary foods in months (n=250):

<table>
<thead>
<tr>
<th>Time</th>
<th>No of respondents</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Within 6 months</td>
<td>222</td>
<td>88.8%</td>
</tr>
<tr>
<td>After 6 months</td>
<td>28</td>
<td>11.2%</td>
</tr>
<tr>
<td>Total</td>
<td>250</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Table 05: Shows that, the maximum 88.8% started complementary food within 6 months, 11.2% after 6 months.

Discussion

The study attempted to describe the pattern of breast feeding practice among the rural women of Bangladesh with last child below 5 years of age living in the villages. This study revealed that majority of the respondents 57.6% were from 18-25 years age group. Mean age of respondents was 22 (±5.18) years. Majority of respondents were Muslims 76.4% & the rest 23.6% were Hindu. Majority of respondents 92.8% were housewife, 4% were business, 1.2% were others, 0.8% were farmer, 0.8% were day labor, and 0.4% were service holder.

When the distribution of respondents according to type of food given just after delivery was considered, as per this study, it was found that 90% fed breast milk, 4.4% honey, 4.4% gave others and 1.2% gave mixed food. In a study of Dinajpur Medical College J 2010 Jan found that 34.9% of the women chose honey as pre-lacteal for their new born infant and 70.9% adapted breast milk.10

Delayed initiation of breast feeding is also common in Bangladesh. But, in this study, the majority (46.0%) started breast feeding after 4 hours, 44.8% within one hour. The recent DHS survey confirms 24% of the women initiated breast feeding within 1 hour and 83% one day after delivery. In Zeenath Rehana’s study, 95 initiated within one hour, 48% within one day.13 Holman DJ et al in their survey found that 59% initiated breast feeding within 4 hours and 88% within 12 hours of delivery.14 A study conducted by ICDDR, B found out that 18% fed the newborn with breast milk within one hour and 23% within 2-3 hours. So the starting time of breast feeding is more or less similar.

ICDDR, B study showed that only 12% of the mothers were exclusively breast feeding their 0-5 month’s old infant and 1% of 9-12 months’ infants which is slightly lower than the national recent survey according to which 4% of 10-12 months’ infants were exclusively breast fed.11 One study showed that 34.5% of 0-3 month old infants were breast fed.12 DHS 2004 showed that 38% infants aged 2-3 months were exclusively breast fed. As per this study the majority (89.2%) of the respondents exclusively breast fed up to 1-2 months.

While the distribution of respondents according to time of starting complementary food in months was recorded, as per this study it was found that 88.8% of mothers started it within 6 months, and 11.2% after 6 months of age. ICDDR, B study suggests that 11% of 1month infants were started weaning food and 7.6% at 6months of age.11

The type of food which was used for complementary food was Sagu/Barley/Suji for about 18.8%, Khichuri 63.2%, others 17.6% as per the study. In accordance to a survey conducted by Dinajpur Medical College they found that 43.5% mothers chose Suji as a primary weaning food and 36.1% chose Khichuri.10

A study of ICDDR, B stated that 90% of the mothers did not know that the colostrum should be the first and only food (for 6 months) for the baby.11 On the contrary according to this study only 4.4% did not
know about the importance of colostrum and that it should be given to the child as his first food. Shameem Ahmed et al. in their study said only 12% women knew about the significance of colostrum. Study conducted by Das and Ahmed found that 81% women discarded colostrum as did not feed it to the infants whereas the study shows only 8.4% women did not feed her infants with colostrum and rest 91.59% did.

Our study shows that the Pattern of breast feeding Practice among the respondents of rural area of Bangladesh Correlates with the previous studies. The policy makers should provide proper health education about breast feeding. First of all, the practice of breast feeding has to be improved at the grassroot level.

**Conclusion**

Infants being the future generation of our society should be brought up healthy both physically and mentally for which breast feeding, weaning and rearing should be appropriate and in time. The results of this study shows that knowledge and practice regarding proper breast feeding practice among the rural women of Bangladesh is average while considering the fact that a lot other important variables were not considered and the study population was limited. Findings of the study suggest that it is important to raise awareness among the mothers, especially the rural women of Bangladesh, regarding proper breast feeding, including giving colostrums.

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Conflict Of Interest: Nothing to declare.

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