|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** | **EBF (%)** | **Non-EBF (%)** | **P-Value\*** |
| **Age** | | | |
| 15-19 | 107 (31.56) | 91 (36.89) | 0.541 |
| 20-24 | 120 (32.43) | 73 (31.06) |
| 25+ | 148 (36.01) | 93 (32.05) |
| **Area of residence** | | | |
| Rural | 260 (74.56) | 168 (73.29) | 0.789 |
| Urban | 115 (25.44) | 89 (26.71) |
| **Geographical location** | | | |
| Chittagong | 76 (24.99) | 50 (18.50) | <0.001 |
| Dhaka | 48 (25.85) | 56 (44.20) |
| Khulna | 47 (9.32) | 23 (4.76) |
| Rajshahi | 40 (9.26) | 31 (8.88) |
| Rangpur | 60 (13.67) | 16 (7.20) |
| Sylhet | 67 (12.53) | 29 (6.72) |
| Barisal | 37 (4.37) | 52 (9.74) |
| **Mother’s educational level** | | | |
| No education | 49 (12.72) | 35 (12.27) | 0.950 |
| Primary | 93 (29.42) | 72 (31.41) |
| Secondary | 166 (43.57) | 110 (43.46) |
| Higher | 67 (14.29) | 40 (12.86) |
| **Mother’s employment status** | | | |
| Yes | 59 (18.05) | 37 (15.60) | 0.540 |
| No | 316 (81.95) | 220 (84.40) |
| **Father’s Occupation** | | | |
| Farmer | 46 (11.79) | 32 (15.06) | 0.389 |
| Agriculture Worker | 33 (9.58) | 18 (5.03) |
| Businessman | 80 (20.33) | 60 (19.76) |
| Others (Labor, Entrepreneur, Driver, etc.) | 216 (58.30) | 144 (60.15) |
| **Religion** | | | |
| Islam | 342 (91.96) | 244 (94.07) | 0.440 |
| Others (Hinduism and Buddhism) | 33 (8.04) | 13 (5.93) |
| **Mass Media (at least once in a week)** | | | |
| Yes | 119 (30.39) | 98 (40.30) | 0.023 |
| No | 256 (69.61) | 159 (59.70) |
| **Wealth Status** | | | |
| Poorest | 67 (18.09) | 55 (26.14) | 0.107 |
| Poorer | 83 (23.56) | 47 (13.21) |
| Middle | 73 (20.55) | 48 (22.99) |
| Richer | 74 (17.86) | 46 (16.13) |
| Richest | 78 (19.94) | 61 (21.54) |  |
| **Mother’s BMI** | | | |
| Over weight | 82 (19.72) | 52 (18.22) | 0.410 |
| Normal weight | 232 (61.60) | 149 (57.24) |
| Under weight | 61 (18.68) | 56 (24.55) |
| **Household members** | | | |
| > 3 | 356 (95.58) | 233 (91.40) | 0.066 |
| ≤ 3 | 19 (4.42) | 24 (8.60) |
| **Household sex** | | | |
| Male | 344 (91.24) | 234 (93.87) | 0.285 |
| Female | 31 (8.76) | 23 (6.13) |
| **ANC** | | | |
| Less or equal 4 | 252 (69.02) | 168 (66.15) | 0.512 |
| Above 4 | 123 (30.98) | 87 (33.85) |
| **C-section** | | | |
| No | 273 (74.76) | 181 (74.36) | 0.934 |
| Yes | 102 (25.24) | 76 (24.24) |
| **Child Sex** | | | |
| Male | 201 (55.88) | 141 (56.31) | 0.925 |
| Female | 174 (44.12) | 116 (43.69) |
| **Toilet facility** | | | |
| Modern toilet | 54 (14.07) | 52 (18.53) | 0.267 |
| Other | 321 (85.93) | 205 (81.47) |
| **School type** | | | |
| School | 289 (94.91) | 201 (97.04) | 0.248 |
| Madrasha | 19 (5.09) | 8 (2.96) |
| **Child size at birth** | | | |
| Large | 43 (10.97) | 29 (9.72) | 0.608 |
| Meddle | 260 (70.24) | 170 (67.15) |
| Small | 72 (18.79) | 58 (23.13) |
| **Child age group** | | | |
| 0-1 | 148 (38.56) | 31 (11.68) | <0.001 |
| 2-3 | 145 (39.70) | 79 (30.22) |
| 4-5 | 82 (21.74) | 147 (58.10) |
| **Child place of delivery** | | | |
| Home | 196 (54.08) | 143 (61.62) | 0.201 |
| HF | 179 (45.92) | 114 (38.38) |
| **Underweight** | | | |
| Yes | 55 (19.32) | 39 (18.56) | 0.858 |
| No | 299 (80.68) | 199 (81.44) |
| **Stunned** | | | |
| Yes | 36 (11.33) | 29 (16.34) | 0.253 |
| No | 318 (88.67) | 209 (83.66) |
| **Wasted** | | | |
| Yes | 67 (20.72) | 39 (16.51) | 0.330 |
| No | 287 (79.28) | 199 (83.49) |
| **Birth order** | | | |
| 1~3 | 331 (89.34) | 229 (90.39) | 0.030 |
| 4~6 | 41 (10.19) | 21 (7.07) |
| 7~10 | 3 (0.47) | 7 (2.54) |

Table.2 Poisson results:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Zero-inflated Negative Binomial Regression** | | |
|  | **ARR** | **95% CI** | **P-value** |
| **EBF** | | | |
| No | 1.49 | [1.21,1.84] | <0.001 |
| Yes | Ref. | - | - |
| **Maternal age** | | | |
| 15-19 | 1.11 | [0.74,1.65] | 0.624 |
| 25+ | 1.01 | [0.73,1.40] | 0.937 |
| 20-24 | Ref. | - | - |
| **Area of residence** | | | |
| Rural | 1.05 | [0.83,1.33] | 0.700 |
| Urban | Ref. | - | - |
| **Geographical location** | | | |
| Chittagong | 1.48 | [0.96,2.27] | 0.077 |
| Dhaka | 1.36 | [0.89,2.08] | 0.159 |
| Khulna | 1.17 | [0.70,1.96] | 0.545 |
| Rajshahi | 1.16 | [0.72,1.88] | 0.547 |
| Rangpur | 1.43 | [0.88,2.30] | 0.145 |
| Sylhet | 1.50 | [0.98,2.30] | 0.062 |
| Barisal | Ref. | - | - |
| **Mother’s educational level** | | | |
| No education | 1.35 | [0.87,2.07] | 0.177 |
| Primary | 1.24 | [0.85,1.79] | 0.267 |
| Secondary | 1.20 | [0.84,1.72] | 0.303 |
| Higher | Ref. | - | - |
| **Mother’s employment status** | | | |
| Yes | 1.23 | [0.86,1.48] | 0.389 |
| No | Ref. | - | - |
| **Fathers’ occupation** | | | |
| Farmer | 1.23 | [0.85,1.76] | 0.271 |
| Agriculture Worker | 1.10 | [0.66,1.84] | 0.719 |
| Others (Labor, Driver, Entrepreneur, etc.) | 1.17 | [0.91,1.51] | 0.211 |
| Businessman | Ref. | - | - |
| **Religion** | | | |
| Islam | 1.18 | [0.69-2.01] | 0.547 |
| Others (Hinduism and Buddhism) | Ref. | - |  |
| **Mass media (at least once in a week)** | | | |
| No | 1.05 | [0.76, 1.45] | 0.785 |
| Yes | Ref. | - | - |
| **Wealth status** | | | |
| Poorest | 1.11 | [0.72, 1.71] | 0.622 |
| Poorer | 1.12 | [0.77, 1.63] | 0.558 |
| Middle | 1.30 | [0.88, 1.92] | 0.190 |
| Richer | 1.20 | [0.83, 1.71] | 0.330 |
| Richest | Ref. | - | - |
| **Mother’s BMI** | | | |
| Normal weight | 1.45 | [1.07, 1.98] | 0.016 |
| Under weight | 1.09 | [0.69, 1.72] | 0.708 |
| Over l weight | Ref. | - |  |
| **Household members** | | | |
| ≤ 3 | 1.05 | [0.68, 1.61] | 0.829 |
| >3 | Ref. | - |  |
| **Household sex** | | | |
| Female | 1.11 | [0.78, 1.58] | 0.566 |
| Male | Ref. | - |  |
| **ANC** | | | |
| Less than 4 | 1.04 | [0.75, 1.44] | 0.819 |
| Above 4 | Ref. | - | - |
| **C-section** | | | |
| No | 1.04 | [0.82, 1.31] | 0.750 |
| Yes | Ref. | - | - |
| **Sex of child** | | | |
| Male | 1.33 | [0.99, 1.78] | 0.055 |
| Female | Ref. | - | - |
| **Toilet facility** | | | |
| Modern toilet | 1.00 | [0.76, 1.33] | 0.988 |
| Other | Ref. | - | - |
| **School type** | | | |
| Madrasha | 1.05 | [0.65, 1.69] | 0.845 |
| School | Ref. | - | - |
| **Size of child at birth** | | | |
| Small | 1.05 | [0.69, 1.60] | 0.834 |
| Middle | 1.06 | [0.73, 1.53] | 0.773 |
| Large | Ref. | - | - |
| **Age of child (months)** | | | |
| 4-5 | 2.36 | [1.70, 3.29] | <0.001 |
| 2-3 | 2.58 | [1.77, 3.75] | <0.001 |
| 0-1 | Ref. | - | - |
| **Place of delivery** | | | |
| Home | 1.01 | [0.83, 1.23] | 0.929 |
| HF | Ref. | - | - |
| **Underweight** | | | |
| Yes | 1.28 | [1.00, 1.65] | 0.050 |
| No | Ref. | - | - |
| **Stunned** | | | |
| Yes | 1.39 | [0.94, 2.06] | 0.102 |
| No | Ref. | - | - |
| **Wasted** | | | |
| Yes | 1.00 | [0.76, 1.32] | 0.975 |
| No | Ref. | - | - |
| **Birth order** | | | |
| 7~10 | 1.38 | [0.65, 2.90] | 0.398 |
| 1~3 | 1.03 | [0.74, 1.44] | 0.842 |
| 4~6 | Ref. | - | - |