Table 1: Background characteristic of delivered mother

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2014 | 2017-18 | 2022 | Total |
| Age, years (mean±SD) |  |  | 25.65 (5.58) |  |
| **Women’s age group** |  |  |  |  |
| 15‐19 | 345 (19.66) |  | 464 (14.37) |  |
| 20‐24 | 619 (35.28) |  | 1097 (33.96) |  |
| 25‐34 | 459 (26.14) |  | 888 (27.48) |  |
| 35‐49 | 332 (18.91) |  | 782 (24.19) |  |
| **Women's education** |  |  |  |  |
| No education | 104 (5.91) |  | 117 (3.63) |  |
| Primary | 340 (19.35) |  | 530 (16.41) |  |
| Secondary | 967 (55.11) |  | 1811 (56.03) |  |
| Higher | 344 (19.63) |  | 773 (23.93) |  |
| **Women’s working status** |  |  |  |  |
| Not working | 1417 (80.80) |  | 2578 (79.77) |  |
| Working | 337 (19.20) |  | 654 (20.23) |  |
| **Women’s BMI** |  |  |  |  |
| Underweight | 302 (17.23) |  | 207 (6.40) |  |
| Normal weight | 713 (40.63) |  | 622 (19.26) |  |
| Overweight | 535 (30.50) |  | 541 (16.73) |  |
| Obese | 204 (11.63) |  | 1862 (57.61) |  |
| **ANC visit** |  |  |  |  |
| No ANC | 103 (5.90) |  | 84 (2.60) |  |
| 1‐3 | 816 (46.57) |  | 1545 (47.80) |  |
| ≥4 | 833 (47.53) |  | 1603 (49.60) |  |
| **Place of delivery** |  |  |  |  |
| Public facility | 593 (33.81) |  | 860 (26.64) |  |
| Private/NGO facility | 1161 (66.19) |  | 2370 (73.36) |  |
| **Types of delivery** |  |  |  |  |
| Normal Delivery | 654 (37.30) |  | 976 (30.19) |  |
| Cesarean section | 1100 (62.70) |  | 2256 (69.81) |  |
| **Husband age** |  |  |  |  |
| 15-29 | 536 (30.89) |  | 1002 (31.27) |  |
| 30-44 | 1088 (62.68) |  | 1957 (61.05) |  |
| 45 or above | 112 (6.43) |  | 246 (7.68) |  |
| **Husband education** |  |  |  |  |
| No education | 217 (12.34) |  | 348 (10.89) |  |
| Primary | 408 (23.26) |  | 770 (24.07) |  |
| Secondary | 667 (38.02) |  | 1241 (38.80) |  |
| Higher | 463 (26.37) |  | 839 (26.24) |  |
| **Husband occupation** |  |  |  |  |
| Farmer | 153 (8.77) |  | 233 (7.43) |  |
| Agriculture | 95 (5.47) |  | 228 (7.28) |  |
| Day labor | 99 (5.71) |  | 282 (8.99) |  |
| Factory worker | 149 (8.57) |  | 769 (24.51) |  |
| Service holder | 199 (11.42) |  | 291 (9.26) |  |
| Business | 499 (28.67) |  | 680 (21.68) |  |
| Skilled worker | 468 (26.87) |  | 623 (19.85) |  |
| Other | 79 (4.52) |  | 31 (1.00) |  |
| **Household size** |  |  |  |  |
| ≤4 | 617 (35.19) |  | 1105 (34.19) |  |
| >4 | 1137 (64.81) |  | 2127 (65.81) |  |
| **Wealth index** |  |  |  |  |
| Poor | 363 (20.67) |  | 1001 (30.98) |  |
| Middle | 305 (17.38) |  | 678 (20.98) |  |
| Rich | 1087 (61.96) |  | 1553 (48.04) |  |
| **Number of living children** |  |  |  |  |
| 0 | 864 (49.27) |  | 41 (1.26) |  |
| 1-2 | 781 (44.51) |  | 2587 (80.05) |  |
| ≥3 | 109 (6.22) |  | 604 (18.69) |  |
| **Birth order** |  |  |  |  |
| 1 |  |  | 1367 (42.53) |  |
| 2‐3 |  |  | 1655 (51.50) |  |
| ≥4 |  |  | 192 (5.97) |  |
| **Division** |  |  |  |  |
| Barisal | 77 (4.42) |  | 168 (5.19) |  |
| Chittagong | 358 (20.40) |  | 652 (20.17) |  |
| Dhaka | 679 (38.71) |  | 852 (26.37) |  |
| Khulna | 200 (11.40) |  | 432 (13.37) |  |
| Mymensingh |  |  | 236 (7.30) |  |
| Rajshahi | 184 (10.47) |  | 378 (11.71) |  |
| Rangpur | 157 (8.92) |  | 344 (10.65) |  |
| Sylhet | 100 (5.68) |  | 170 (5.25) |  |
| **Place of residence** |  |  |  |  |
| Urban | 689 (39.25) |  | 995 (30.78) |  |
| Rural | 1066 (60.75) |  | 2237 (69.22) |  |
| **Religion** |  |  |  |  |
| Islam | 1596 (90.98) |  | 2924 (90.48) |  |
| Others | 158 (9.02) |  | 308 (9.52) |  |
| Total | 1755 (100.00) |  | 3232 (100.00) |  |

Table: By type of delivery 2014

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Normal Delivery | | Cesarean Section | | Total | | P-value |
|  | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) |  |
| **Age** | 24.06 5.63 | 23.00 20.00 | 24.87 5.52 | 24.00 21.00 | 24.55 5.58 | 24.00 20.00 | 0.003 |
| **Women’s age group** |  |  |  |  |  |  |  |
| 15‐19 | 54.02 54.38 | 37.53 50.04 | 220.49 129.62 | 187.66 125.11 | 145.98 132.10 | 125.11 162.64 | 0.047 |
| 20‐24 | 63.72 79.14 | 37.53 50.04 | 236.99 180.56 | 212.69 187.66 | 163.83 169.67 | 125.11 206.43 |  |
| 25‐34 | 61.05 82.76 | 37.53 43.79 | 289.16 400.00 | 225.20 186.41 | 208.93 343.36 | 150.13 200.18 |  |
| 35‐49 | 55.72 66.14 | 37.53 62.55 | 284.53 197.43 | 250.22 225.20 | 205.46 197.10 | 162.64 237.71 |  |
| P-value | 0.548 |  | 0.005 |  | <0.001 |  |  |
| **Women's education** |  |  |  |  |  |  |  |
| No education | 45.40 43.79 | 25.02 48.79 | 194.35 116.86 | 181.41 125.11 | 106.65 109.93 | 75.07 125.11 | 0.643 |
| Primary | 51.60 60.68 | 37.53 49.73 | 232.12 136.56 | 212.69 187.66 | 137.05 137.40 | 100.09 181.41 |  |
| Secondary | 58.66 72.41 | 37.53 46.92 | 252.98 242.63 | 225.20 175.15 | 177.15 216.58 | 125.11 200.18 |  |
| Higher | 86.35 100.26 | 62.55 59.43 | 291.82 342.82 | 250.22 162.64 | 241.75 314.72 | 187.66 225.20 |  |
| P-value | <0.001 |  | 0.025 |  | <0.001 |  |  |
| **Women’s working status** |  |  |  |  |  |  |  |
| Not working | 63.66 77.38 | 37.53 52.55 | 264.15 279.59 | 231.45 181.41 | 186.46 244.38 | 125.11 200.18 | 0.6423 |
| Working | 43.07 48.88 | 25.02 50.04 | 231.45 141.09 | 200.18 162.64 | 151.89 145.47 | 125.11 190.17 |  |
| P-value | 0.0032 |  | 0.1207 |  | 0.0149 |  |  |
| **Women’s BMI** |  |  |  |  |  |  |  |
| Underweight | 50.90 62.50 | 37.53 47.54 | 205.04 121.15 | 187.66 125.11 | 128.78 123.59 | 87.58 162.64 | 0.1131 |
| Normal weight | 59.89 70.42 | 37.53 56.30 | 241.09 269.56 | 187.66 150.13 | 160.89 225.30 | 125.11 212.69 |  |
| Overweight | 60.53 66.93 | 37.53 43.79 | 277.88 219.31 | 250.22 162.64 | 205.43 209.86 | 175.15 212.69 |  |
| Obese | 76.29 116.62 | 37.53 43.79 | 305.23 375.42 | 250.22 225.20 | 246.97 343.97 | 187.66 237.71 |  |
| P-value | 0.1713 |  | 0.0016 |  | 0.0000 |  |  |
| **ANC visit** |  |  |  |  |  |  |  |
| No ANC | 55.07 59.61 | 25.02 75.07 | 239.67 133.07 | 237.71 187.66 | 123.08 129.03 | 87.58 168.90 | 0.2645 |
| 1‐3 | 50.59 49.18 | 37.53 43.79 | 228.19 128.34 | 187.66 187.66 | 152.11 134.81 | 125.11 212.69 |  |
| ≥4 | 71.07 94.45 | 37.53 50.04 | 282.66 332.98 | 250.22 165.77 | 211.32 294.05 | 150.13 200.18 |  |
| P-value | 0.0017 |  | 0.0035 |  | 0.0000 |  |  |
| **Place of delivery** |  |  |  |  |  |  |  |
| Public facility | 50.66 62.83 | 31.90 43.79 | 171.56 125.59 | 150.13 162.64 | 93.11 106.84 | 62.55 100.09 | <0.001 |
| Private/NGO facility | 70.97 83.10 | 50.04 62.55 | 279.85 280.64 | 250.22 162.64 | 224.86 261.34 | 187.66 225.20 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Husband age** |  |  |  |  |  |  |  |
| 15-29 | 55.66 70.42 | 37.53 43.79 | 230.38 186.78 | 190.79 162.64 | 153.76 171.05 | 107.59 212.69 | 0.2579 |
| 30-44 | 63.66 76.92 | 37.53 56.30 | 268.88 296.70 | 225.20 162.64 | 192.78 259.58 | 150.13 187.66 |  |
| 45 or above | 50.26 54.15 | 31.28 50.04 | 282.04 158.28 | 250.22 206.43 | 194.65 171.30 | 162.64 275.24 |  |
| P-value | 0.2680 |  | 0.0735 |  | 0.0045 |  |  |
| **Husband education** |  |  |  |  |  |  |  |
| No education | 44.33 57.91 | 25.02 37.53 | 212.03 135.97 | 187.66 125.11 | 119.67 130.72 | 62.55 162.64 | 0.3537 |
| Primary | 50.58 47.78 | 37.53 43.79 | 242.74 207.46 | 187.66 187.66 | 145.49 177.79 | 100.09 156.39 |  |
| Secondary | 63.81 85.57 | 37.53 56.30 | 239.14 178.28 | 200.18 187.66 | 171.28 172.03 | 125.11 200.18 |  |
| Higher | 81.05 87.09 | 62.55 55.05 | 301.22 364.36 | 250.22 162.64 | 247.78 333.50 | 187.66 225.20 |  |
| P-value | 0.0002 |  | 0.0013 |  | 0.0000 |  |  |
| **Husband occupation** |  |  |  |  |  |  |  |
| Farmer | 48.48 43.82 | 37.53 46.29 | 199.32 119.66 | 187.66 143.88 | 129.92 119.38 | 87.58 150.13 | 0.5186 |
| Agriculture | 50.46 61.54 | 25.02 43.79 | 224.10 139.19 | 187.66 156.39 | 124.35 133.16 | 75.07 162.64 |  |
| Day labor | 47.58 64.80 | 25.02 50.04 | 204.42 118.97 | 200.18 125.11 | 119.87 121.94 | 62.55 181.41 |  |
| Factory worker | 57.80 90.38 | 37.53 50.04 | 260.92 147.02 | 250.22 150.13 | 158.61 158.50 | 125.11 212.69 |  |
| Service holder | 90.31 110.22 | 62.55 53.80 | 292.99 216.45 | 250.22 225.20 | 247.95 214.89 | 187.66 187.66 |  |
| Business | 53.46 53.27 | 37.53 55.05 | 278.77 333.87 | 250.22 175.15 | 198.56 290.47 | 150.13 200.18 |  |
| Skilled worker | 66.82 82.02 | 37.53 50.04 | 246.33 284.40 | 193.92 187.66 | 176.71 244.37 | 125.11 200.18 |  |
| Other | 85.07 88.00 | 53.17 75.07 | 269.19 101.01 | 253.35 137.62 | 187.36 132.18 | 187.66 237.71 |  |
| P-value | 0.0089 |  | 0.0719 |  | 0.0000 |  |  |
| **Household size** |  |  |  |  |  |  |  |
| ≤4 | 55.16 74.73 | 37.53 47.54 | 245.16 196.23 | 225.20 187.66 | 172.62 185.58 | 125.11 212.69 | 0.526 |
| >4 | 61.71 72.24 | 37.53 55.05 | 265.38 289.03 | 225.20 175.15 | 183.81 249.22 | 125.11 200.18 |  |
| P-value | 0.2689 |  | 0.2296 |  | 0.3400 |  |  |
| **Wealth index** |  |  |  |  |  |  |  |
| Poor | 52.12 54.91 | 37.53 43.79 | 212.56 138.32 | 187.66 125.11 | 122.46 128.07 | 81.32 162.64 | 0.0744 |
| Middle | 52.17 69.08 | 37.53 45.04 | 217.03 136.05 | 187.66 137.62 | 140.70 137.45 | 100.09 162.64 |  |
| Rich | 66.69 82.31 | 37.53 55.05 | 277.09 296.94 | 250.22 162.64 | 209.37 267.61 | 175.15 212.69 |  |
| P-value | 0.0317 |  | 0.0000 |  | 0.0000 |  |  |
| **Birth order** |  |  |  |  |  |  |  |
| 1 | 68.28 80.39 | 50.04 50.04 | 251.52 283.74 | 212.69 187.66 | 184.00 247.00 | 150.13 187.66 | 0.3088 |
| 2‐3 | 51.07 63.54 | 37.53 47.54 | 266.70 240.95 | 225.20 186.41 | 181.13 218.47 | 125.11 212.69 |  |
| ≥4 | 55.74 72.16 | 37.53 49.11 | 259.84 159.85 | 250.22 231.45 | 144.18 155.55 | 87.58 181.41 |  |
| P-value | 0.0115 |  | 0.6533 |  | 0.2024 |  |  |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |  |  |
| No exposure | 62.70 74.90 | 37.53 68.81 | 214.04 127.74 | 187.66 131.36 | 140.52 129.71 | 112.60 162.64 | 0.0791 |
| Exposure | 72.50 107.77 | 28.15 62.55 | 275.01 168.79 | 250.22 162.64 | 206.69 178.51 | 187.66 200.18 |  |
| P-value | 0.5450 |  | 0.0039 |  | 0.0001 |  |  |
| **Division** |  |  |  |  |  |  |  |
| Barisal | 65.01 68.40 | 37.53 68.81 | 262.31 255.19 | 250.22 162.64 | 190.90 228.31 | 162.64 187.66 | 0.0001 |
| Chittagong | 86.45 97.89 | 62.55 62.55 | 311.19 192.37 | 262.73 181.41 | 209.55 192.58 | 175.15 250.22 |  |
| Dhaka | 59.00 60.62 | 37.53 43.79 | 296.75 320.65 | 250.22 150.13 | 234.12 295.99 | 187.66 200.18 |  |
| Khulna | 31.60 21.91 | 25.02 24.40 | 187.91 115.62 | 162.64 125.11 | 126.95 118.98 | 100.09 151.38 |  |
| Mymensingh | - | - | - | - | - | - |  |
| Rajshahi | 37.16 34.72 | 25.02 37.53 | 192.03 103.80 | 181.41 125.11 | 133.24 113.11 | 125.11 150.13 |  |
| Rangpur | 52.29 75.58 | 25.02 50.04 | 182.69 95.45 | 162.64 125.11 | 118.41 108.03 | 87.58 162.64 |  |
| Sylhet | 83.30 89.92 | 46.92 100.09 | 390.55 515.66 | 312.77 200.18 | 239.56 402.69 | 150.13 337.80 |  |
| P-value | 0.0000 |  | 0.0000 |  | 0.0000 |  |  |
| **Place of residence** |  |  |  |  |  |  |  |
| Urban | 51.21 70.09 | 37.53 50.04 | 274.18 291.40 | 250.22 187.66 | 196.12 261.14 | 137.62 212.69 | 0.0264 |
| Rural | 65.43 74.61 | 37.53 50.04 | 242.90 226.30 | 200.18 175.15 | 166.17 197.96 | 125.11 200.18 |  |
| P-value | 0.0115 |  | 0.0502 |  | 0.0061 |  |  |
| **Religion** |  |  |  |  |  |  |  |
| Islam | 58.48 71.04 | 37.53 50.04 | 257.71 236.72 | 225.20 187.66 | 179.04 213.02 | 125.11 200.18 | 0.9070 |
| Others | 70.43 90.64 | 37.53 50.04 | 265.58 431.03 | 200.18 100.09 | 189.89 354.31 | 150.13 200.18 |  |
| P-value | 0.2125 |  | 0.7732 |  | 0.5606 |  |  |
| **Total** | 59.58 73.07 | 37.53 56.30 | 258.45 261.05 | 225.20 187.66 | 179.97 229.79 | 125.11 200.18 | <0.001 |

Table: By place of delivery 2014

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | 2022 | |  | |  |
|  | Public facility | | Private facility/NGO | | Total | | P-value |
|  | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) |  |
| **Age** | 24.25 5.28 | 24.00 20.00 | 24.70 5.72 | 24.00 20.00 | 24.55 5.58 | 24.00 20.00 | 0.115 |
| **Women’s age group** |  |  |  |  |  |  |  |
| 15‐19 | 68.24 77.06 | 37.53 66.93 | 186.02 136.73 | 175.15 162.64 | 145.98 132.10 | 125.11 162.64 | 0.133 |
| 20‐24 | 95.96 109.76 | 62.55 100.09 | 199.48 184.28 | 175.15 181.41 | 163.62 169.61 | 125.11 206.43 |  |
| 25‐34 | 107.36 123.12 | 62.55 125.11 | 267.70 410.05 | 200.18 200.18 | 208.93 343.36 | 150.13 200.18 |  |
| 35‐49 | 92.20 96.36 | 62.55 106.34 | 252.53 208.92 | 212.69 212.69 | 205.46 197.10 | 162.64 237.71 |  |
| P-value | 0.0206 |  | <0.001 |  | <0.001 |  |  |
| **Women's education** |  |  |  |  |  |  |  |
| No education | 84.09 95.75 | 37.53 87.58 | 133.40 120.27 | 118.85 156.39 | 106.01 109.61 | 75.07 125.11 | 0.0445 |
| Primary | 85.59 96.60 | 43.79 106.34 | 175.29 150.39 | 125.11 200.18 | 137.05 137.40 | 100.09 181.41 |  |
| Secondary | 91.17 101.60 | 62.55 100.09 | 218.65 243.54 | 187.66 193.92 | 177.15 216.58 | 125.11 200.18 |  |
| Higher | 115.13 137.31 | 62.55 125.11 | 283.68 344.48 | 225.20 187.66 | 241.75 314.72 | 187.66 225.20 |  |
| P-value | 0.1469 |  | <0.001 |  | <0.001 |  |  |
| **Women’s working status** |  |  |  |  |  |  |  |
| Not working | 94.04 103.00 | 62.55 100.09 | 232.90 279.31 | 187.66 212.69 | 186.35 244.33 | 125.11 200.18 | 0.1453 |
| Working | 89.84 122.08 | 37.53 110.10 | 187.30 146.14 | 162.64 187.66 | 151.89 145.47 | 125.11 190.17 |  |
| P-value | 0.7031 |  | 0.0233 |  | 0.0149 |  |  |
| **Women’s BMI** |  |  |  |  |  |  |  |
| Underweight | 66.93 83.99 | 37.53 68.81 | 173.59 128.45 | 150.13 175.15 | 128.46 123.49 | 87.58 162.64 | 0.7589 |
| Normal weight | 83.64 89.48 | 50.04 100.09 | 204.01 263.61 | 175.15 162.64 | 160.89 225.30 | 125.11 212.69 |  |
| Overweight | 110.30 120.48 | 68.81 121.36 | 247.57 226.70 | 225.20 187.66 | 205.43 209.86 | 175.15 212.69 |  |
| Obese | 141.70 150.68 | 62.55 175.15 | 283.76 383.15 | 250.22 250.22 | 246.97 343.97 | 187.66 237.71 |  |
| P-value | 0.0000 |  | 0.0001 |  | 0.0000 |  |  |
| **ANC visit** |  |  |  |  |  |  |  |
| No ANC | 64.04 74.20 | 25.02 87.58 | 193.86 145.24 | 162.64 162.64 | 122.19 128.65 | 87.58 168.27 | 0.3790 |
| 1‐3 | 82.54 90.64 | 50.04 100.09 | 192.19 139.76 | 175.15 162.64 | 152.11 134.81 | 125.11 212.69 |  |
| ≥4 | 111.40 125.44 | 62.55 125.11 | 253.05 331.90 | 187.66 212.69 | 211.32 294.05 | 150.13 200.18 |  |
| P-value | 0.0008 |  | 0.0004 |  | 0.0000 |  |  |
| **Type of delivery** |  |  |  |  |  |  |  |
| Normal Delivery | 50.66 62.83 | 31.90 43.79 | 70.97 83.10 | 50.04 62.55 | 59.58 73.07 | 37.53 56.30 | <0.001 |
| Cesarean Section | 171.56 125.59 | 150.13 162.64 | 279.85 280.64 | 250.22 162.64 | 258.45 261.05 | 225.20 187.66 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Husband age** |  |  |  |  |  |  |  |
| 15-29 | 89.92 108.01 | 50.04 81.32 | 190.77 189.15 | 162.64 175.15 | 153.76 171.05 | 107.59 212.69 | 0.1773 |
| 30+ | 93.08 103.46 | 62.55 100.09 | 239.36 295.18 | 187.66 200.18 | 192.64 259.51 | 150.13 187.66 |  |
| 45 or above | 113.48 131.98 | 62.55 150.13 | 245.51 174.19 | 250.22 262.73 | 194.65 171.30 | 162.64 275.24 |  |
| P-value | 0.3973 |  | 0.0137 |  | 0.0045 |  |  |
| **Husband education** |  |  |  |  |  |  |  |
| No education | 70.70 88.14 | 37.53 62.55 | 171.74 147.90 | 143.88 200.18 | 119.28 130.53 | 62.55 162.64 | 0.3072 |
| Primary | 78.81 85.41 | 50.04 75.07 | 192.44 208.50 | 150.13 187.66 | 145.49 177.79 | 100.09 156.39 |  |
| Secondary | 96.12 103.88 | 62.55 100.09 | 204.37 185.27 | 187.66 168.90 | 171.28 172.03 | 125.11 200.18 |  |
| Higher | 129.09 140.76 | 75.07 150.13 | 287.12 368.00 | 250.22 187.66 | 247.78 333.50 | 187.66 225.20 |  |
| P-value | 0.0001 |  | 0.0001 |  | 0.0001 |  |  |
| **Husband occupation** |  |  |  |  |  |  |  |
| Farmer | 77.62 95.32 | 50.04 62.55 | 175.14 120.01 | 150.13 162.64 | 129.35 119.24 | 87.58 150.13 | 0.5186 |
| Agriculture | 90.15 117.05 | 37.53 75.07 | 172.59 140.88 | 150.13 162.64 | 124.35 133.16 | 75.07 162.64 |  |
| Day labor | 72.81 83.07 | 37.53 112.60 | 173.02 136.90 | 137.62 187.66 | 119.87 121.94 | 62.55 181.41 |  |
| Factory worker | 57.80 90.38 | 37.53 50.04 | 260.92 147.02 | 250.22 150.13 | 158.61 158.50 | 125.11 212.69 |  |
| Service holder | 90.31 110.22 | 62.55 53.80 | 292.99 216.45 | 250.22 225.20 | 247.95 214.89 | 187.66 187.66 |  |
| Business | 53.46 53.27 | 37.53 55.05 | 278.77 333.87 | 250.22 175.15 | 198.56 290.47 | 150.13 200.18 |  |
| Skilled worker | 66.82 82.02 | 37.53 50.04 | 246.33 284.40 | 193.92 187.66 | 176.71 244.37 | 125.11 200.18 |  |
| Other | 85.07 88.00 | 53.17 75.07 | 269.19 101.01 | 253.35 137.62 | 187.36 132.18 | 187.66 237.71 |  |
| P-value | 0.0089 |  | 0.0719 |  | 0.0000 |  |  |
| **Household size** |  |  |  |  |  |  |  |
| ≤4 | 87.27 108.71 | 40.66 87.58 | 214.87 200.73 | 187.66 187.66 | 172.62 185.58 | 125.11 212.69 | 0.7837 |
| >4 | 95.93 105.95 | 62.55 100.09 | 230.02 287.67 | 187.66 225.20 | 183.68 249.15 | 125.11 200.18 |  |
| P-value | 0.3519 |  | 0.3491 |  | 0.3400 |  |  |
| **Wealth index** |  |  |  |  |  |  |  |
| Poor | 73.84 91.51 | 37.53 68.81 | 172.86 140.73 | 150.13 187.66 | 122.22 127.97 | 81.32 162.64 | 0.1141 |
| Middle | 91.14 106.68 | 50.04 100.09 | 177.73 146.21 | 150.13 187.66 | 140.70 137.45 | 100.09 162.64 |  |
| Rich | 105.95 113.98 | 62.55 125.11 | 246.09 295.50 | 187.66 200.18 | 209.37 267.61 | 175.15 212.69 |  |
| P-value | 0.0064 |  | 0.0000 |  | 0.0000 |  |  |
| **Birth order** |  |  |  |  |  |  |  |
| 1 | 93.20 106.27 | 62.55 100.09 | 225.80 279.99 | 187.66 212.69 | 184.00 247.00 | 150.13 187.66 | 0.5430 |
| 2‐3 | 93.33 107.67 | 50.04 100.09 | 230.41 247.69 | 187.66 225.2 | 180.94 218.39 | 125.11 212.69 |  |
| ≥4 | 91.29 107.59 | 37.53 106.34 | 179.45 172.46 | 125.11 237.71 | 144.18 155.55 | 87.58 181.41 |  |
| P-value | 0.9924 |  | 0.3012 |  | 0.2024 |  |  |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |  |  |
| No exposure | 94.61 112.28 | 50.04 100.09 | 178.55 131.07 | 150.13 162.64 | 140.26 129.65 | 112.60 162.64 | 0.0966 |
| Exposure | 99.34 101.17 | 62.55 110.10 | 243.06 184.85 | 209.56 212.69 | 206.69 178.51 | 187.66 200.18 |  |
| P-value | 0.8538 |  | 0.0023 |  | 0.0001 |  |  |
| **Division** |  |  |  |  |  |  |  |
| Barisal | 111.16 105.22 | 87.58 137.62 | 236.13 264.65 | 225.20 212.69 | 190.90 228.31 | 162.64 187.66 | 0.0653 |
| Chittagong | 143.13 127.76 | 87.58 175.15 | 240.14 209.25 | 200.18 250.22 | 209.55 192.58 | 175.15 250.22 |  |
| Dhaka | 119.25 124.66 | 81.32 150.13 | 271.12 324.54 | 250.22 187.66 | 234.12 295.99 | 187.66 200.18 |  |
| Khulna | 65.73 87.56 | 37.53 56.30 | 158.02 120.92 | 125.11 143.88 | 126.95 118.98 | 100.09 151.38 |  |
| Mymensingh |  |  |  |  |  |  |  |
| Rajshahi | 59.07 62.06 | 31.28 56.30 | 175.55 113.98 | 150.13 150.13 | 133.24 113.11 | 125.11 150.13 |  |
| Rangpur | 57.96 86.04 | 25.02 50.04 | 168.96 98.37 | 150.13 162.64 | 118.41 108.03 | 87.58 162.64 |  |
| Sylhet | 106.52 109.88 | 62.55 125.11 | 325.51 491.86 | 262.73 275.24 | 238.41 401.83 | 150.13 337.80 |  |
| P-value | 0.0000 |  | 0.0000 |  | 0.0000 |  |  |
| **Place of residence** |  |  |  |  |  |  |  |
| Urban | 100.52 115.07 | 62.55 100.09 | 236.84 293.43 | 187.66 237.71 | 196.12 261.14 | 137.62 212.69 | 0.6207 |
| Rural | 88.04 100.68 | 50.04 100.09 | 213.23 225.52 | 187.66 162.64 | 166.04 197.90 | 125.11 200.18 |  |
| P-value | 0.1598 |  | 0.1236 |  | 0.0061 |  |  |
| **Religion** |  |  |  |  |  |  |  |
| Islam | 89.51 103.12 | 50.04 100.09 | 223.79 238.27 | 187.66 225.20 | 178.95 212.98 | 125.11 206.43 | 0.5970 |
| Others | 121.75 130.23 | 75.07 162.64 | 236.47 441.94 | 187.66 150.13 | 189.89 354.31 | 150.13 200.18 |  |
| P-value | 0.0198 |  | 0.6460 |  | 0.5606 |  |  |
| **Total** | 93.11 106.84 | 62.55 100.09 | 225.02 261.40 | 187.66 225.20 | 179.97 229.79 | 125.11 200.18 | 0.0000 |

Table 4: Factor association with child delivery cost 2014

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Normal Delivery | Cesarean Section | Public facility | Private/NGO facility | Total |
|  | Coef. (SE) | Coef. (SE) | Coef. (SE) | Coef. (SE) | Coef. (SE) |
| **Women’s age group** |  |  |  |  |  |
| 15‐19 | Ref | Ref | Ref | Ref | Ref |
| 20‐24 | 0.10 0.10 | 0.05 0.05 | 0.09 0.10 | 0.01 0.06 | 0.08 0.05 |
| 25‐34 | 0.06 0.14 | 0.04 0.06 | 0.01 0.12 | 0.05 0.08 | 0.06 0.07 |
| 35‐49 | 0.17 0.17 | 0.08 0.07 | 0.02 0.14 | 0.12 0.10 | 0.12 0.08 |
| **Women's education** |  |  |  |  |  |
| No education | Ref | Ref | Ref | Ref | Ref |
| Primary | -0.15 0.10 | 0.04 0.07 | -0.07 0.09 | -0.08 0.09 | -0.05 0.06 |
| Secondary | -0.09 0.11 | 0.07 0.07 | -0.05 0.10 | -0.00 0.08 | -0.00 0.06 |
| Higher | -0.03 0.18 | 0.13 0.09 | -0.07 0.17 | 0.04 0.10 | 0.04 0.08 |
| **Women’s working status** |  |  |  |  |  |
| Not working | Ref | Ref | Ref | Ref | Ref |
| Working | -0.11 0.08 | -0.02 0.04 | -0.02 0.08 | -0.08 0.05 | -0.07 0.04 |
| **Women’s BMI** |  |  |  |  |  |
| Underweight | Ref | Ref | Ref | Ref | Ref |
| Normal weight | 0.16 0.08\* | 0.05 0.05\* | 0.18 0.08\* | 0.04 0.06 | 0.10 0.04 |
| Overweight | 0.19 0.11 | 0.08 0.05 | 0.22 0.10\* | 0.02 0.06 | 0.13 0.05 |
| Obese | 0.36 0.18\* | 0.12 0.07\* | 0.35 0.14\* | 0.05 0.08 | 0.19 0.07 |
| **ANC visit** |  |  |  |  |  |
| No ANC | Ref | Ref | Ref | Ref | Ref |
| 1‐3 | 0.15 0.09 | 0.02 0.07 | 0.17 0.09 | -0.01 0.07 | 0.10 0.05 |
| ≥4 | 0.17 0.11 | 0.02 0.07 | 0.11 0.10 | 0.03 0.08 | 0.09 0.06 |
| **Place of delivery** |  |  |  |  |  |
| Public facility | Ref | Ref | - | - | Ref |
| Private/NGO facility | 0.16 0.07\* | 0.18 0.04\* | - |  | 0.16 0.04\*\*\* |
| **Type of delivery** |  |  |  |  |  |
| Normal Delivery | - | - | Ref | Ref | Ref |
| Cesarean Section |  |  | 0.56 0.07\*\*\* | 0.60 0.04\*\*\* | 0.60 0.04\*\*\* |
| **Husband age** |  |  |  |  |  |
| 15-29 | Ref | Ref | Ref | Ref | Ref |
| 30-44 | 0.07 0.09 | -0.01 0.04 | -0.09 0.09 | 0.09 0.05 | 0.01 0.04 |
| 45 or above | -0.04 0.14 | 0.17 0.08 | 0.04 0.13 | 0.01 0.10 | 0.06 0.07 |
| **Husband education** |  |  |  |  |  |
| No education | Ref | Ref | Ref | Ref | Ref |
| Primary | 0.05 0.09 | -0.01 0.05 | 0.07 0.08 | -0.06 0.06 | 0.02 0.05 |
| Secondary | 0.01 0.11 | -0.02 0.06 | 0.03 0.10 | -0.11 0.07 | -0.02 0.05 |
| Higher | 0.12 0.16 | -0.05 0.08 | 0.16 0.17 | -0.11 0.09 | 0.03 0.08 |
| **Husband occupation** |  |  |  |  |  |
| Farmer | Ref | Ref | Ref | Ref | Ref |
| Agriculture | 0.03 0.12 | 0.03 0.07 | 0.03 0.10 | -0.03 0.09 | 0.01 0.06 |
| Day labor | 0.06 0.12 | 0.01 0.07 | 0.00 0.10 | 0.11 0.08 | 0.05 0.06 |
| Factory worker | 0.08 0.17 | 0.03 0.07 | 0.04 0.16 | 0.05 0.09 | 0.04 0.08 |
| Service holder | -0.16 0.19 | 0.08 0.08 | -0.13 0.16 | 0.11 0.10 | 0.00 0.08 |
| Business | -0.09 0.10 | 0.06 0.06 | -0.04 0.10 | 0.02 0.06 | -0.01 0.05 |
| Skilled worker | 0.06 0.11 | 0.02 0.06 | 0.06 0.11 | 0.06 0.07 | 0.05 0.06 |
| Other | 0.23 0.25 | 0.02 0.10 | -0.19 0.30 | 0.20 0.11 | 0.11 0.11 |
| **Household size** |  |  |  |  |  |
| ≤4 | Ref | Ref | Ref | Ref | Ref |
| >4 | 0.02 0.07 | -0.02 0.04 | 0.01 0.07 | 0.01 0.04 | 0.02 0.04 |
| **Wealth index** |  |  |  |  |  |
| Poor | Ref | Ref | Ref | Ref | Ref |
| Middle | -0.07 0.09 | -0.02 0.05 | -0.10 0.08 | -0.02 0.06 | -0.03 0.05 |
| Rich | -0.08 0.10 | -0.06 0.05 | -0.15 0.10 | -0.08 0.06 | -0.07 0.05 |
| **Birth order** |  |  |  |  |  |
| 1 | Ref | Ref | Ref | Ref | Ref |
| 2‐3 | -0.19 0.10 | 0.03 0.04 | -0.11 0.09 | 0.00 0.06 | -0.06 0.05 |
| ≥4 | -0.28 0.15 | -0.07 0.08 | -0.21 0.13 | -0.06 0.10 | -0.15 0.08 |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |
| No exposure | Ref | Ref | Ref | Ref | Ref |
| Exposure | -0.08 0.11 | 0.08 0.05 | -0.03 0.11 | 0.11 0.05 | 0.03 0.05 |
| **Division** |  |  |  |  |  |
| Barisal | Ref | Ref | Ref | Ref | Ref |
| Chittagong | 0.05 0.13 | 0.11 0.06 | 0.01 0.13 | 0.11 0.07 | 0.07 0.06 |
| Dhaka | -0.02 0.14 | 0.05 0.06 | -0.07 0.13 | 0.08 0.07 | 0.02 0.06 |
| Khulna | -0.25 0.12\* | -0.20 0.06\* | -0.32 0.13\* | -0.17 0.07\* | -0.21 0.06 |
| Mymensingh |  |  |  |  |  |
| Rajshahi | -0.19 0.13 | -0.13 0.07 | -0.28 0.14\* | -0.14 0.08 | -0.16 0.07 |
| Rangpur | -0.25 0.13\* | -0.19 0.07\* | -0.44 0.12\* | -0.07 0.08 | -0.21 0.06 |
| Sylhet | 0.10 0.13 | 0.02 0.07 | -0.02 0.12 | 0.11 0.10 | 0.06 0.07 |
| **Place of residence** |  |  |  |  |  |
| Urban | Ref | Ref | Ref | Ref | Ref |
| Rural | 0.23 0.08\* | 0.06 0.04 | 0.09 0.08 | 0.14 0.05\* | 0.13 0.04 |
| **Religion** |  |  |  |  |  |
| Islam | Ref | Ref | Ref | Ref | Ref |
| Others | -0.02 0.11 | 0.07 0.07 | 0.03 0.11 | 0.02 0.08 | 0.02 0.06 |
| N | 205 | 251 | 189 | 267 | 456 |
| Mean VIF | 2.28 | 2.44 | 2.33 | 2.42 | 2.12 |
| **Adjusted R2** | 13.39% | 21.53% | 45.41% | 49.95% | 55.48% |
| **AIC** | 263.4582 | 39.65335 | 199.4653 | 147.4242 | 333.05 |
| **BIC** | 396.3786 | 180.6715 | 329.1352 | 290.9142 | 502.0722 |
| **F value, (Prob > F)** | 0.0056 | <0.001 | <0.001 | <0.001 | <0.001 |

Table: By type of delivery 2022

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Normal Delivery | | Cesarean Section | | Total | | P-value |
|  | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) |  |
| **Age** | 25.32 5.51 | 25.00 21.00 | 25.79 5.61 | 25.00 21.00 | 25.65 5.58 | 25.00 21.00 | 0.030 |
| **Women’s age group** |  |  |  |  |  |  |  |
| 15‐19 | 88.26 (111.14) | 58.96 (82.54) | 248.91 (129.90) | 235.82 (141.49) | 196.73 (145.08) | 176.87 (212.24) | 0.003 |
| 20‐24 | 96.22 (132.04) | 58.96 (82.54) | 268.16 (144.34) | 235.82 (176.87) | 215.86 (161.38) | 200.45 (200.45) |  |
| 25‐34 | 92.97 (120.02) | 58.96 (82.54) | 306.52 (178.40) | 294.78 (176.87) | 244.27 (190.14) | 235.82 (259.40) |  |
| 35‐49 | 91.40 (108.97) | 58.96 (82.54) | 301.54 (189.43) | 259.40 (176.87) | 243.35 (195.10) | 235.82 (259.40) |  |
| P-value | 0.922 |  | <0.001 |  | <0.001 |  |  |
| **Women's education** |  |  |  |  |  |  |  |
| No education | 67.65 (70.68) | 41.27 53.06 | 248.11 164.59 | 235.82 141.49 | 167.16 158.65 | 117.91 194.55 | 0.648 |
| Primary | 88.01 115.34 | 58.96 70.75 | 272.86 167.06 | 235.82 176.87 | 199.81 174.02 | 176.87 235.82 |  |
| Secondary | 89.80 122.70 | 58.96 82.54 | 272.12 156.05 | 235.82 176.87 | 217.18 168.95 | 188.66 200.45 |  |
| Higher | 116.74 128.49 | 70.75 70.75 | 318.47 180.03 | 294.78 212.24 | 277.54 189.08 | 235.82 212.24 |  |
| P-value | 0.024 |  | <0.001 |  | <0.001 |  |  |
| **Women’s working status** |  |  |  |  |  |  |  |
| Not working | 93.89 113.04 | 58.96 82.54 | 286.57 159.36 | 235.82 176.87 | 230.06 171.42 | 212.24 229.93 | 0.828 |
| Working | 89.71 146.06 | 53.06 53.06 | 279.15 193.69 | 235.82 176.87 | 220.40 200.37 | 176.87 224.03 |  |
| P-value | 0.220 |  | 0.404 |  | 0.665 |  |  |
| **Women’s BMI** |  |  |  |  |  |  |  |
| Underweight | 104.14 124.89 | 58.96 88.43 | 269.91 133.59 | 235.82 176.87 | 207.96 152.92 | 176.87 247.61 | 0.070 |
| Normal weight | 104.50 146.57 | 58.96 82.54 | 270.48 153.12 | 235.82 176.87 | 215.15 169.96 | 176.87 212.24 |  |
| Overweight | 83.06 86.82 | 58.96 70.75 | 281.41 164.12 | 235.82 176.87 | 229.52 171.62 | 224.03 194.55 |  |
| Obese | 89.80 116.46 | 58.96 76.64 | 292.10 173.47 | 235.82 176.87 | 234.11 183.62 | 212.24 224.03 |  |
| P-value | 0.283 |  | 0.082 |  | 0.047 |  |  |
| **ANC visit** |  |  |  |  |  |  |  |
| No ANC | 83.41 96.98 | 47.16 94.33 | 248.76 138.03 | 235.82 129.70 | 168.16 145.22 | 141.49 229.93 | 0.439 |
| 1‐3 | 85.55 112.68 | 58.96 58.96 | 269.03 162.84 | 235.82 176.87 | 207.79 171.42 | 176.87 218.13 |  |
| ≥4 | 102.85 130.60 | 58.96 82.54 | 299.37 169.04 | 259.40 176.87 | 249.53 181.54 | 235.82 235.82 |  |
| P-value | 0.085 |  | <0.001 |  | <0.001 |  |  |
| **Place of delivery** |  |  |  |  |  |  |  |
| Public facility | 71.37 107.10 | 47.16 47.16 | 239.86 199.46 | 176.87 194.55 | 133.13 168.57 | 70.75 141.49 | 0.914 |
| Private/NGO facility | 122.53 131.22 | 82.54 82.54 | 292.50 159.37 | 247.61 176.87 | 263.19 167.65 | 235.82 200.45 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Husband age** |  |  |  |  |  |  |  |
| 15-29 | 82.69 97.91 | 58.96 58.96 | 255.86 143.06 | 235.82 176.87 | 198.66 153.29 | 176.87 224.03 | 0.031 |
| 30-44 | 101.16 136.59 | 58.96 82.54 | 296.57 172.89 | 259.40 176.87 | 242.58 185.51 | 235.82 235.82 |  |
| 45 or above | 78.17 76.04 | 58.96 64.85 | 309.61 187.51 | 294.78 212.24 | 232.14 192.97 | 212.24 282.99 |  |
| P-value | 0.048 |  | <0.001 |  | <0.001 |  |  |
| **Husband education** |  |  |  |  |  |  |  |
| No education | 68.46 65.26 | 50.11 53.06 | 289.52 206.58 | 235.82 176.87 | 197.63 196.35 | 165.07 235.82 | 0.116 |
| Primary | 83.97 114.55 | 58.96 64.85 | 254.86 136.58 | 235.82 159.18 | 193.74 152.88 | 176.87 212.24 |  |
| Secondary | 94.75 112.94 | 58.96 82.54 | 281.15 162.93 | 235.82 176.87 | 225.85 172.33 | 200.45 188.66 |  |
| Higher | 122.71 164.76 | 58.96 76.64 | 311.41 174.93 | 294.78 224.03 | 273.46 188.68 | 235.82 212.24 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Husband occupation** |  |  |  |  |  |  |  |
| Farmer | 87.18 128.55 | 58.96 58.96 | 233.82 133.21 | 235.82 141.49 | 191.73 147.44 | 176.87 165.07 | 0.140 |
| Agriculture | 81.81 96.17 | 58.96 41.27 | 240.06 127.59 | 235.82 117.91 | 180.90 139.59 | 176.87 176.87 |  |
| Day labor | 86.38 135.72 | 53.06 58.96 | 261.10 168.47 | 235.82 153.28 | 195.18 178.16 | 176.87 188.66 |  |
| Factory worker | 104.61 132.32 | 58.96 82.54 | 287.81 142.67 | 259.40 165.07 | 236.48 162.21 | 235.82 212.24 |  |
| Service holder | 121.71 152.44 | 70.75 70.75 | 334.56 188.33 | 294.78 218.13 | 296.92 199.60 | 294.78 259.40 |  |
| Business | 94.93 122.27 | 70.75 82.54 | 302.57 182.77 | 259.40 176.87 | 244.70 192.12 | 235.82 235.82 |  |
| Skilled worker | 79.57 94.12 | 58.96 53.06 | 269.25 153.98 | 235.82 176.87 | 204.85 163.48 | 176.87 224.03 |  |
| Other | 103.44 119.24 | 58.96 70.75 | 229.36 108.35 | 235.82 153.28 | 186.08 125.91 | 170.97 218.13 |  |
| P-value | 0.268 |  | <0.001 |  | <0.001 |  |  |
| **Household size** |  |  |  |  |  |  |  |
| ≤4 | 86.81 106.48 | 58.96 82.54 | 279.17 168.40 | 235.82 176.87 | 225.11 176.19 | 200.45 200.45 | 0.997 |
| >4 | 95.88 126.37 | 58.96 82.54 | 288.19 165.51 | 235.82 176.87 | 229.66 178.16 | 212.24 224.03 |  |
| P-value | 0.281 |  | 0.223 |  | 0.494 |  |  |
| **Wealth index** |  |  |  |  |  |  |  |
| Poor | 77.94 89.89 | 58.96 64.85 | 258.96 152.79 | 235.82 176.87 | 190.43 158.96 | 176.87 188.66 | 0.690 |
| Middle | 79.85 75.54 | 58.96 82.54 | 274.99 159.24 | 235.82 176.87 | 214.37 165.53 | 188.66 212.24 |  |
| Rich | 114.39 156.84 | 69.57 82.54 | 301.94 173.69 | 271.19 176.87 | 256.76 187.74 | 235.82 235.82 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Birth order** |  |  |  |  |  |  |  |
| 1 | 97.35 117.64 | 58.96 82.54 | 279.28 164.26 | 235.82 176.87 | 227.57 173.12 | 200.45 194.55 | 0.317 |
| 2‐3 | 88.60 127.13 | 58.96 76.64 | 288.97 168.48 | 235.82 176.87 | 232.45 181.83 | 212.24 235.82 |  |
| ≥4 | 95.47 102.27 | 58.96 82.54 | 296.62 167.06 | 277.09 176.87 | 202.33 172.52 | 176.87 235.82 |  |
| P-value | 0.564 |  | 0.316 |  | 0.082 |  |  |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |  |  |
| No exposure | 95.74 134.37 | 58.96 82.54 | 284.58 176.03 | 235.82 176.87 | 219.41 185.93 | 179.81 212.24 | 0.765 |
| Exposure | 127.34 196.39 | 70.75 70.75 | 304.59 184.15 | 294.78 147.39 | 254.22 203.22 | 235.82 235.82 |  |
| P-value | 0.253 |  | 0.371 |  | 0.082 |  |  |
| **Division** |  |  |  |  |  |  |  |
| Barisal | 112.78 114.29 | 58.96 82.54 | 324.05 181.28 | 294.78 153.28 | 270.58 190.42 | 235.82 206.34 | <0.001 |
| Chittagong | 104.58 86.44 | 76.64 67.80 | 327.22 163.37 | 294.78 117.91 | 230.16 174.62 | 212.24 271.19 |  |
| Dhaka | 121.85 215.19 | 58.96 82.54 | 304.19 173.67 | 259.40 153.28 | 261.12 199.76 | 235.82 235.82 |  |
| Khulna | 70.95 107.76 | 41.27 53.06 | 243.67 162.45 | 235.82 153.28 | 207.23 167.98 | 176.87 165.07 |  |
| Mymensingh | 69.52 86.14 | 47.16 58.96 | 284.17 138.54 | 259.40 176.87 | 231.63 157.55 | 235.82 235.82 |  |
| Rajshahi | 73.57 68.77 | 58.96 47.16 | 226.66 119.92 | 212.24 153.28 | 190.56 127.75 | 176.87 141.49 |  |
| Rangpur | 61.72 64.96 | 41.27 35.37 | 242.08 129.06 | 235.82 123.81 | 188.22 140.55 | 176.87 188.66 |  |
| Sylhet | 103.60 132.62 | 58.96 82.54 | 367.71 216.97 | 353.73 235.82 | 246.13 225.36 | 188.66 294.78 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Place of residence** |  |  |  |  |  |  |  |
| Urban | 100.39 138.79 | 58.96 82.54 | 297.11 172.38 | 271.19 176.87 | 243.96 185.77 | 235.82 235.82 | 0.491 |
| Rural | 89.12 109.45 | 58.96 82.54 | 277.30 162.15 | 235.82 176.87 | 218.42 171.53 | 188.66 212.24 |  |
| P-value | 0.169 |  | 0.006 |  | <0.001 |  |  |
| **Religion** |  |  |  |  |  |  |  |
| Islam | 95.32 126.06 | 58.96 82.54 | 283.33 167.24 | 235.82 176.87 | 227.67 178.20 | 200.45 212.24 | 0.048 |
| Others | 74.32 54.61 | 58.96 70.75 | 300.31 159.87 | 282.99 153.28 | 232.18 171.78 | 235.82 212.32 |  |
| P-value | 0.093 |  | 0.135 |  | 0.656 |  |  |
| **Total** | 93.03 (120.50) | 58.96 (82.54) | 285.14 (166.51) | 235.82 (176.87) | 228.16 (177.50) | 212.24 (212.24) | <0.001 |

Table: By place of delivery 2022

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | 2022 | |  | |  |
|  | Public facility | | Private facility/NGO | | Total | | P-value |
|  | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) | Mean (SD) | Median (IQR) |  |
| **Age** | 25.46 5.64 | 25.00 21.00 | 25.68 5.54 | 25.00 21.00 | 26.00 22.00 | 25.00 21.00 | 0.257 |
| **Women’s age group** |  |  |  |  |  |  |  |
| 15‐19 | 107.86 114.63 | 58.96 147.39 | 231.02 141.11 | 235.82 165.07 | 196.73 145.08 | 176.87 212.24 | 0.035 |
| 20‐24 | 140.46 168.51 | 70.75 153.28 | 245.32 148.56 | 235.82 165.07 | 215.86 161.38 | 200.45 200.45 |  |
| 25‐34 | 137.77 164.73 | 70.75 141.49 | 281.06 184.46 | 235.82 188.66 | 244.73 190.10 | 235.82 259.40 |  |
| 35‐49 | 131.96 196.17 | 64.85 106.12 | 283.13 178.77 | 235.82 176.87 | 243.35 195.10 | 235.82 259.40 |  |
| P-value | 0.327 |  | <0.001 |  | <0.001 |  |  |
| **Women's education** |  |  |  |  |  |  |  |
| No education | 124.11 170.23 | 58.96 112.02 | 199.62 142.27 | 200.45 159.18 | 167.16 158.65 | 117.91 194.55 | 0.071 |
| Primary | 134.97 188.75 | 70.75 153.28 | 234.83 154.87 | 235.82 188.66 | 199.81 174.02 | 176.87 235.82 |  |
| Secondary | 125.18 159.05 | 58.96 141.49 | 252.03 159.30 | 235.82 205.16 | 217.28 168.94 | 188.66 200.45 |  |
| Higher | 158.67 169.59 | 94.33 159.18 | 304.45 182.86 | 294.78 235.82 | 277.83 189.01 | 235.82 212.24 |  |
| P-value | 0.197 |  | <0.001 |  | <0.001 |  |  |
| **Women’s working status** |  |  |  |  |  |  |  |
| Not working | 128.41 141.33 | 70.75 141.49 | 266.66 166.49 | 235.82 188.66 | 230.21 171.40 | 212.24 229.93 | 0.014 |
| Working | 150.78 244.62 | 58.96 147.39 | 248.56 171.86 | 235.82 153.28 | 220.40 200.37 | 176.87 224.03 |  |
| P-value | 0.111 |  | 0.039 |  | 0.220 |  |  |
| **Women’s BMI** |  |  |  |  |  |  |  |
| Underweight | 109.15 120.94 | 58.96 112.02 | 258.49 142.85 | 235.82 188.66 | 207.96 152.92 | 176.87 247.61 | 0.035 |
| Normal weight | 149.10 191.04 | 94.33 141.49 | 238.85 155.25 | 235.82 235.82 | 215.15 169.96 | 176.87 212.24 |  |
| Overweight | 123.92 152.07 | 70.75 141.49 | 267.66 162.19 | 235.82 176.87 | 229.52 171.62 | 224.03 194.55 |  |
| Obese | 133.89 170.79 | 58.96 141.49 | 270.24 174.52 | 235.82 200.45 | 234.33 183.60 | 212.24 224.03 |  |
| P-value | 0.358 |  | 0.007 |  | 0.047 |  |  |
| **ANC visit** |  |  |  |  |  |  |  |
| No ANC | 101.71 122.77 | 58.96 100.22 | 231.36 137.59 | 235.82 129.70 | 168.16 145.22 | 141.49 229.93 | 0.263 |
| 1‐3 | 126.16 168.27 | 58.96 141.49 | 241.80 161.00 | 235.82 165.07 | 207.79 171.42 | 176.87 218.13 |  |
| ≥4 | 144.25 172.38 | 82.54 153.28 | 282.11 171.74 | 235.82 176.87 | 249.79 181.50 | 235.82 235.82 |  |
| P-value | 0.151 |  | <0.001 |  | <0.001 |  |  |
| **Type of delivery** |  |  |  |  |  |  |  |
| Normal Delivery | 71.37 107.10 | 47.16 47.16 | 122.53 131.22 | 82.54 82.54 | 93.15 120.60 | 58.96 82.54 | 0.914 |
| Cesarean Section | 239.86 199.46 | 176.87 194.55 | 292.50 159.37 | 247.61 176.87 | 285.14 166.51 | 235.82 176.87 |  |
| P-value | <0.001 |  | <0.001 |  | <0.001 |  |  |
| **Husband age** |  |  |  |  |  |  |  |
| 15-29 | 123.14 138.16 | 58.96 141.49 | 232.74 147.58 | 235.82 153.28 | 198.66 153.29 | 176.87 224.03 | 0.105 |
| 30+ | 140.51 188.22 | 70.75 141.49 | 275.44 172.32 | 235.82 176.87 | 242.79 185.49 | 235.82 235.82 |  |
| 45 or above | 124.24 152.65 | 70.75 106.12 | 279.59 190.08 | 235.82 200.45 | 232.14 192.97 | 212.24 282.99 |  |
| P-value | 0.338 |  | <0.001 |  | <0.001 |  |  |
| **Husband education** |  |  |  |  |  |  |  |
| No education | 120.71 216.41 | 58.96 88.43 | 238.94 171.45 | 235.82 235.82 | 197.63 196.35 | 165.07 235.82 | 0.075 |
| Primary | 127.13 163.01 | 70.75 117.91 | 227.56 135.63 | 235.82 170.97 | 193.74 152.88 | 176.87 212.24 132.26 156.46 |  |
| Secondary | 132.26 156.46 | 70.75 141.49 | 258.96 165.45 | 235.82 188.66 | 226.17 172.29 | 200.45 188.66 |  |
| Higher | 151.84 163.91 | 88.43 165.07 | 301.95 182.77 | 294.78 176.87 | 273.46 188.68 | 235.82 212.24 |  |
| P-value | 0.390 |  | <0.001 |  | <0.001 |  |  |
| **Husband occupation** |  |  |  |  |  |  |  |
| Farmer | 89.87 92.85 | 58.96 94.33 | 217.49 147.71 | 212.24 176.87 | 191.73 147.44 | 176.87 165.07 | 0.183 |
| Agriculture | 105.22 110.87 | 58.96 106.12 | 222.70 136.49 | 235.82 176.87 | 180.90 139.59 | 176.87 176.87 |  |
| Day labor | 134.55 226.53 | 58.96 129.70 | 224.51 140.88 | 235.82 176.87 | 195.18 178.16 | 176.87 188.66 |  |
| Factory worker | 144.41 177.44 | 82.54 141.49 | 264.96 146.12 | 235.82 176.87 | 236.74 162.15 | 235.82 212.24 |  |
| Service holder | 156.87 161.94 | 94.33 173.92 | 327.68 194.09 | 294.78 235.82 | 296.92 199.60 | 294.78 259.40 |  |
| Business | 165.25 210.64 | 82.54 200.45 | 269.91 178.82 | 235.82 212.24 | 244.70 192.12 | 235.82 235.82 |  |
| Skilled worker | 114.77 125.67 | 58.96 106.12 | 254.20 160.80 | 235.82 206.34 | 205.14 163.47 | 176.87 224.03 |  |
| Other | 53.80 32.36 | 58.96 26.53 | 230.17 113.73 | 235.82 153.28 | 186.08 125.91 | 170.97 218.13 |  |
| P-value | 0.016 |  | <0.001 |  | <0.001 |  |  |
| **Household size** |  |  |  |  |  |  |  |
| ≤4 | 141.01 198.27 | 70.75 141.49 | 256.46 156.28 | 235.82 200.45 | 225.29 176.18 | 200.45 200.45 | 0.124 |
| >4 | 129.21 151.62 | 70.75 141.49 | 266.51 172.93 | 235.82 200.45 | 229.75 178.15 | 212.24 224.03 |  |
| P-value | 0.333 |  | 0.172 |  | 0.494 |  |  |
| **Wealth index** |  |  |  |  |  |  |  |
| Poor | 108.36 156.60 | 58.96 88.43 | 234.18 142.09 | 235.82 153.28 | 190.43 158.96 | 176.87 188.66 | 0.213 |
| Middle | 140.51 184.20 | 70.75 147.39 | 241.98 149.24 | 235.82 176.87 | 214.65 165.51 | 188.66 212.24 |  |
| Rich | 153.39 169.02 | 94.33 165.07 | 286.04 182.41 | 235.82 176.87 | 256.90 187.72 | 235.82 235.82 |  |
| P-value | 0.002 |  | <0.001 |  | <0.001 |  |  |
| **Birth order** |  |  |  |  |  |  |  |
| 1 | 139.45 152.10 | 82.54 135.60 | 258.96 169.33 | 235.82 200.45 | 227.71 173.11 | 200.45 188.66 | 0.355 |
| 2‐3 | 129.94 183.62 | 58.96 153.28 | 269.28 166.53 | 235.82 182.76 | 232.57 181.82 | 212.24 235.82 |  |
| ≥4 | 123.33 154.91 | 58.96 106.12 | 246.65 166.46 | 235.82 235.82 | 202.33 172.52 | 176.87 235.82 |  |
| P-value | 0.645 |  | 0.182 |  | 0.082 |  |  |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |  |  |
| No exposure | 131.39 185.92 | 58.96 141.49 | 256.91 172.92 | 235.82 212.24 | 219.41 185.93 | 179.81 212.24 | 0.936 |
| Exposure | 161.79 205.14 | 82.54 141.49 | 283.74 194.89 | 235.82 176.87 | 254.22 203.22 | 235.82 235.82 |  |
| P-value | 0.451 |  | 0.212 |  | 0.082 |  |  |
| **Division** |  |  |  |  |  |  |  |
| Barisal | 162.44 128.14 | 123.81 159.18 | 303.72 194.24 | 294.78 176.87 | 270.58 190.42 | 235.82 206.34 | 0.046 |
| Chittagong | 147.42 161.97 | 82.54 165.07 | 268.64 166.96 | 235.82 212.24 | 230.16 174.62 | 212.24 271.19 |  |
| Dhaka | 166.88 204.19 | 106.12 194.55 | 291.89 188.70 | 247.61 176.87 | 261.56 199.70 | 235.82 235.82 |  |
| Khulna | 112.24 145.72 | 58.96 117.91 | 234.60 164.12 | 212.24 176.87 | 207.23 167.98 | 176.87 165.07 |  |
| Mymensingh | 105.48 120.51 | 58.96 110.84 | 286.86 139.12 | 282.99 165.07 | 231.63 157.55 | 235.82 235.82 |  |
| Rajshahi | 122.22 130.51 | 82.54 141.49 | 208.00 121.23 | 188.66 141.49 | 190.56 127.75 | 176.87 141.49 |  |
| Rangpur | 90.27 147.15 | 41.27 94.33 | 224.67 119.19 | 235.82 153.28 | 188.22 140.55 | 176.87 188.66 |  |
| Sylhet | 144.86 232.63 | 58.96 106.12 | 305.72 199.08 | 294.78 271.19 | 246.80 225.40 | 194.55 294.78 |  |
| P-value | 0.005 |  | <0.001 |  | <0.001 |  |  |
| **Place of residence** |  |  |  |  |  |  |  |
| Urban | 148.84 161.21 | 94.33 165.07 | 278.41 182.05 | 235.82 188.66 | 244.30 185.73 | 235.82 235.82 | 0.977 |
| Rural | 123.77 172.27 | 58.96 120.27 | 253.72 157.35 | 235.82 200.45 | 218.42 171.53 | 188.66 212.24 |  |
| P-value | 0.035 |  | <0.001 |  | <0.001 |  |  |
| **Religion** |  |  |  |  |  |  |  |
| Islam | 132.34 170.82 | 70.75 141.49 | 263.13 167.62 | 235.82 200.45 | 227.81 178.19 | 200.45 212.24 | 0.744 |
| Others | 140.09 148.01 | 76.64 153.28 | 263.72 168.21 | 235.82 200.45 | 232.18 171.78 | 235.82 212.32 |  |
| P-value | 0.683 |  | 0.958 |  | 0.656 |  |  |
| **Total** | 133.13 168.57 | 70.75 141.49 | 263.19 167.65 | 235.82 200.45 | 228.28 177.49 | 212.24 212.24 | <0.001 |

Table 4: Factor association with child delivery cost 2022

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Normal Delivery | Cesarean Section | Public facility | Private/NGO facility | Total |
|  | Coef. (SE) | Coef. (SE) | Coef. (SE) | Coef. (SE) | Coef. (SE) |
| **Women’s age group** |  |  |  |  |  |
| 15‐19 | Ref | Ref | Ref | Ref | Ref |
| 20‐24 | 0.07 0.07 | 0.01 0.03 | 0.16 0.07\* | -0.01 0.03 | 0.03 0.03 |
| 25‐34 | 0.02 0.07 | 0.02 0.03 | 0.07 0.07 | 0.00 0.03 | 0.02 0.03 |
| 35‐49 | -0.04 0.09 | 0.07 0.04 | 0.12 0.10 | 0.02 0.04 | 0.04 0.04 |
| **Women's education** |  |  |  |  |  |
| No education | Ref | Ref | Ref | Ref | Ref |
| Primary | 0.04 0.07 | 0.14 0.07\* | 0.10 0.08 | 0.10 0.07 | 0.09 0.05 |
| Secondary | 0.08 0.08 | 0.14 0.07\* | 0.13 0.08 | 0.12 0.06 | 0.11 0.05\* |
| Higher | 0.18 0.09\*\* | 0.14 0.07 | 0.16 0.10 | 0.13 0.07\* | 0.13 0.06\* |
| **Women’s working status** |  |  |  |  |  |
| Not working | Ref | Ref | Ref | Ref | Ref |
| Working | 0.01 0.06 | 0.01 0.03 | 0.02 0.06 | 0.01 0.03 | 0.01 0.03 |
| **Women’s BMI** |  |  |  |  |  |
| Underweight | Ref | Ref | Ref | Ref | Ref |
| Normal weight | -0.09 0.09 | -0.05 0.04 | -0.01 0.08 | -0.10 0.05\* | -0.89 0.04\* |
| Overweight | -0.08 0.08 | -0.05 0.04 | -0.07 0.08 | -0.08 0.04 | -0.08 0.04\* |
| Obese | -0.08 0.08 | -0.02 0.03 | -0.03 0.07 | -0.06 0.04 | -0.07 0.04 |
| **ANC visit** |  |  |  |  |  |
| No ANC | Ref | Ref | Ref | Ref | Ref |
| 1‐3 | -0.02 0.07 | -0.10 0.06 | -0.09 0.07 | -0.04 0.05 | -0.05 0.05 |
| ≥4 | -0.01 0.08 | -0.12 0.06 | -0.12 0.08 | -0.04 0.05 | -0.06 0.05 |
| **Place of delivery** |  |  |  |  |  |
| Public facility | Ref | Ref | - | - | Ref |
| Private/NGO facility | 0.22 0.04\*\*\* | 0.15 0.03\*\*\* | - | - | 0.20 0.03\*\*\* |
| **Type of delivery** |  |  |  |  |  |
| Normal Delivery | - | - | Ref | Ref | Ref |
| Cesarean Section | - | - | 0.57 0.04\*\*\* | 0.48 0.03\*\*\* | 0.52 0.02\*\*\* |
| **Husband age** |  |  |  |  |  |
| 15-29 | Ref | Ref | Ref | Ref | Ref |
| 30-44 | 0.08 0.05 | 0.05 0.02\* | 0.10 0.05\* | 0.04 0.02\* | 0.06 0.02\*\*\* |
| 45 or above | 0.09 0.08 | 0.04 0.04 | 0.10 0.09 | 0.03 0.04 | 0.05 0.04 |
| **Husband education** |  |  |  |  |  |
| No education | Ref | Ref | Ref | Ref | Ref |
| Primary | 0.04 0.05 | -0.07 0.04 | -0.06 0.06 | -0.01 0.04 | -0.02 0.03 |
| Secondary | 0.06 0.06 | -0.06 0.03 | -0.05 0.06 | 0.01 0.04 | -0.01 0.03 |
| Higher | 0.09 0.08 | -0.04 0.04 | -0.04 0.08 | 0.04 0.04 | 0.01 0.04 |
| **Husband occupation** |  |  |  |  |  |
| Farmer | Ref | Ref | Ref | Ref | Ref |
| Agriculture | 0.01 0.08 | 0.02 0.05 | -0.03 0.08 | 0.03 0.05 | 0.02 0.04 |
| Day labor | 0.01 0.09 | 0.07 0.04 | 0.05 0.09 | 0.04 0.04 | 0.05 0.04 |
| Factory worker | 0.04 0.08 | 0.03 0.04 | 0.04 0.08 | 0.04 0.04 | 0.04 0.04 |
| Service holder | 0.02 0.10 | 0.09 0.05\* | -0.02 0.13 | 0.09 0.04\* | 0.07 0.04 |
| Business | 0.07 0.08 | 0.08 0.04 | 0.07 0.09 | 0.09 0.04 \* | 0.09 0.04\* |
| Skilled worker | 0.02 0.08 | 0.03 0.04 | 0.02 0.09 | 0.05 0.04 | 0.04 0.04 |
| Other | 0.12 0.09 | 0.09 0.07 | 0.04 0.11 | 0.14 0.08 | 0.12 0.06 |
| **Household size** |  |  |  |  |  |
| ≤4 | Ref | Ref | Ref | Ref | Ref |
| >4 | 0.04 0.04 | 0.01 0.02 | 0.05 0.04 | 0.02 0.02 | 0.02 0.02 |
| **Wealth index** |  |  |  |  |  |
| Poor | Ref | Ref | Ref | Ref | Ref |
| Middle | -0.10 0.05\*\* | 0.04 0.02 | 0.01 0.05 | -0.02 0.03 | -0.01 0.02 |
| Rich | -0.02 0.06 | 0.04 0.02 | 0.05 0.06 | -0.01 0.03 | 0.02 0.03 |
| **Birth order** |  |  |  |  |  |
| 1 | Ref | Ref | Ref | Ref | Ref |
| 2‐3 | -0.05 0.05 | -0.06 0.02\* | -0.11 0.05\* | -0.03 0.02 | -0.05 0.02\* |
| ≥4 | 0.03 0.09 | -0.07 0.06 | -0.03 0.11 | -0.04 0.05 | -0.03 0.05 |
| **Mass media exposure (TV/radio)** |  |  |  |  |  |
| No exposure | Ref | Ref | Ref | Ref | Ref |
| Exposure | -0.01 0.07 | 0.08 0.03\* | -0.00 0.08 | 0.07 0.03\* | 0.06 0.03 |
| **Division** |  |  |  |  |  |
| Barisal | Ref | Ref | Ref | Ref | Ref |
| Chittagong | 0.08 0.09 | 0.02 0.04 | 0.08 0.10 | 0.01 0.04 | 0.04 0.04 |
| Dhaka | 0.01 0.10 | -0.02 0.04 | 0.00 0.11 | -0.01 0.04 | -0.01 0.04 |
| Khulna | -0.16 0.11 | -0.18 0.04\*\*\* | -0.12 0.11 | -0.19 0.04\*\*\* | -0.17 0.04\*\*\* |
| Mymensingh | -0.11 0.10 | -0.06 0.05 | -0.07 0.10 | -0.08 0.05 | -0.08 0.05 |
| Rajshahi | -0.02 0.12 | -0.16 0.04\*\*\* | -0.27 0.13 | -0.13 0.04\*\*\* | -0.13 0.05\*\*\* |
| Rangpur | -0.18 0.10 | -0.12 0.04\*\*\* | -0.14 0.11 | -0.13 0.04\*\*\* | -0.14 0.04\*\*\* |
| Sylhet | 0.03 0.09 | 0.02 0.05 | 0.01 0.10 | 0.03 0.05 | 0.02 0.05 |
| **Place of residence** |  |  |  |  |  |
| Urban | Ref | Ref | Ref | Ref | Ref |
| Rural | -0.03 0.05 | 0.01 0.02 | -0.04 0.06 | 0.02 0.02 | 0.01 0.02 |
| **Religion** |  |  |  |  |  |
| Islam | Ref | Ref | Ref | Ref | Ref |
| Others | -0.06 0.06 | 0.01 0.04 | 0.06 0.06 | -0.08 0.04\* | -0.02 0.03 |
| N | 416 | 826 | 363 | 879 | 1242 |
| Mean VIF | 2.84 | 3.03 | 2.79 | 3.06 | 2.80 |
| **Adjusted R2** | 14.21% | 26.90% | 42.87% | 38.64% | 50.49% |
| **AIC** | 377.38 | 214.75 | 398.02 | 130.10 | 588.38 |
| **BIC** | 542.64 | 408.13 | 557.69 | 326.04 | 803.60 |
| **F value, (Prob > F)** | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |