**LBW**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Covariates** | **Unadjusted OR (95% CI)** | **P-value** | **Adjusted OR (95% CI)** | **P-value** |
| **Place of residence** |  |  |  |  |
| Urban | - |  |  |  |
| Rural | 0.98 (0.75-1.27) | 0.864 | 1.08 (0.49-2.38 | 0.840 |
| **Media** |  |  |  |  |
| No | - |  |  |  |
| Yes | 0.75 (0.57-1.00) | 0.051 | 1.22 (0.46-3.23) | 0.687 |
| **Sources of Drinking Water** |  |  |  |  |
| Piped water | - | - |  |  |
| Tube-well | 1.07 (0.64-1.77) | 0.803 | 1.25 (0.33-4.7) | 0.74 |
| Others | 0.95 (0.35-2.57) | 0.918 | 2.48 (0.38-16.24) | 0.342 |
| **Types of Toilets** |  |  |  |  |
| Modern | - | - |  |  |
| Others | 1.04 (0.78-1.38) | 0.785 | 0.52 (0.23-1.18) | 0.117 |
| **Types of Fuel** |  |  |  |  |
| Fossil | - | - |  |  |
| Biomass | 1.19 (0.84-1.67) | 0.328 | 2.21 (0.86-5.65) | 0.098 |
| **Electricity** |  |  |  |  |
| No | - | - |  |  |
| Yes | 0.66 (0.43-1.01) | 0.061 | 0.55 (0.21-1.45) | 0.229 |
| **Wall Materials** |  |  |  |  |
| Natural | - | - |  |  |
| Rudimentary | 0.84 (0.32-2.17) | 0.721 | 3.09 (0.43-22.14) | 0.26 |
| Finished | 0.67 (0.40-1.11) | 0.119 | 1.59 (0.45-5.66) | 0.471 |
| **HH Members** |  |  |  |  |
| Below medium | - | - |  |  |
| Above medium | 0.91 (0.69-1.20) | 0.482 | 0.56 (0.28-1.11) | 0.098 |
| **Vaccination Status** |  |  |  |  |
| Yes | - | - |  |  |
| No | 1.13 (0.61-2.21) | 0.691 | 0.79 (0.27-2.29) | 0.66 |
| **HH Occupation** |  |  |  |  |
| Agriculture | - | - |  |  |
| Industry | 0.99 (0.69-1.43) | 0.964 | 0.9 (0.1-8.01) | 0.924 |
| Unemployed | 0.78 (0.30-2.07) | 0.621 | 1.33 (0.46-3.89) | 0.595 |
| **Gender of Children** |  |  |  |  |
| Male | - | - |  |  |
| Female | 1.27 (0.99-1.61) | 0.056 | 0.82 (0.44-1.56) | 0.551 |
| **Birth Order** |  |  |  |  |
| 1-3 | - | - |  |  |
| 4+ | 1.87 (1.23-2.85) | 0.003 | 4.22 (1.41-12.66) | 0.01 |
| **Place of Delivery** |  |  |  |  |
| Home | - | - |  |  |
| Hospital | 0.87 (0.57-1.33) | 0.524 | 1.77 (0.37-8.52) | 0.475 |
| **C Section** |  |  |  |  |
| Yes | - | - |  |  |
| No | 1.33 (1.03-1.70) | 0.027 | 2.02 (1.01-4.02) | 0.046 |
| **Drugs for Intestinal Parasites**  **(Last 6 Months)** |  |  |  |  |
| No | - | - |  |  |
| Yes | 1.16 (0.87-1.56) | 0.319 | 2.38 (1.21-4.65) | 0.012 |
| **Vitamin A** |  |  |  |  |
| No | - | - |  |  |
| Yes | 0.84 (0.64-1.12) | 0.234 | 1.09 (0.49-2.41) | 0.831 |
| **Wasting** |  |  |  |  |
| No | - | - |  |  |
| Yes | 1.53 (0.99-2.35) | 0.053 | 2.29 (0.76-6.91) | 0.14 |

**Hosmer and Lemeshow goodness of fit (GOF) test**

|  |  |  |
| --- | --- | --- |
| **Test Statistic** | **d.f.** | **p-value** |
| X-squared = 4.3246 | 8 | 0.8267 |

**ROC-curve:** AUC value= 0.6830

**Chart, line chart

Description automatically generated**

**Pre-birth**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Covariates** | **Unadjusted OR (95% CI)** | **P-value** | **Adjusted OR (95% CI)** | **P-value** |
| **Place of residence** |  |  |  |  |
| Urban | - |  |  |  |
| Rural | 1.05 (0.91-1.22) | 0.497 | 0.3 (0.11-0.82) | 0.02 |
| **Media** |  |  |  |  |
| No | - |  |  |  |
| Yes | 0.97 (0.83-1.13) | 0.691 | 2.72 (1.12-6.61) | 0.027 |
| **Sources of Drinking Water** |  |  |  |  |
| Piped water | - | - |  |  |
| Tube-well | 1.00 (0.75-1.34) | 0.987 | 0.87 (0.13-5.78) | 0.881 |
| Others | 0.66 (0.39-1.10) | 0.109 | 0.81 (0.06-11.58) | 0.874 |
| **Types of Toilets** |  |  |  |  |
| Modern | - | - |  |  |
| Others | 1.07 (0.91-1.26) | 0.418 | 2.21 (0.57-8.61) | 0.251 |
| **Types of Fuel** |  |  |  |  |
| Fossil | - | - |  |  |
| Biomass | 1.04 (0.85-1.27) | 0.693 | 0.86 (0.15-4.79) | 0.858 |
| **Electricity** |  |  |  |  |
| No | - | - |  |  |
| Yes | 1.01 (0.82-1.25) | 0.916 | 0.51 (0.19-1.38) | 0.185 |
| **HH Members** |  |  |  |  |
| Below median | - | - |  |  |
| Above median | 0.99 (0.85-1.16) | 0.924 | 1.14 (0.51-2.55) | 0.74 |
| **Vaccination Status** |  |  |  |  |
| Yes | - | - |  |  |
| No | 1.16 (0.67-1.75) | 0.489 | 0.66 (0.2-2.13) | 0.484 |
| **Mothers Education** |  |  |  |  |
| Higher | - | - |  |  |
| Secondary | 0.99 (0.81-1.21) | 0.939 | 0.98 (0.3-3.16) | 0.968 |
| No education/Primary | 1.07 (0.86-1.32) | 0.562 | 1.29 (0.41-4.06) | 0.66 |
| **Respondent works for** |  |  |  |  |
| Family | - | - |  |  |
| Else | 0.78 (0.59-1.03) | 0.082 | 0.9 (0.28-2.9) | 0.862 |
| Self | 1.03 (0.80-1.35) | 0.782 | 2.78 (1.12-6.9) | 0.028 |
| **HH Schooling Type** |  |  |  |  |
| School | - | - |  |  |
| Madrasha | 0.91 (0.70-1.20) | 0.511 | 1.59 (0.46-5.42) | 0.46 |
| **Gender of Children** |  |  |  |  |
| Male | - | - |  |  |
| Female | 0.99 (0.86-1.14) | 0.936 | 0.98 (0.44-2.18) | 0.955 |
| **Birth Order** |  |  |  |  |
| 1-3 | - | - |  |  |
| 4+ | 1.11 (0.88-1.40) | 0.368 | 0.48 (0.15-1.51) | 0.205 |
| **Place of Delivery** |  |  |  |  |
| Home | - | - |  |  |
| Hospital | 1.03 (0.85-1.25) | 0.760 | 0.95 (0.31-2.87) | 0.925 |
| **C Section** |  |  |  |  |
| Yes | - | - |  |  |
| No | 1.10 (0.89-1.36) | 0.387 | 1.49 (0.39-5.68) | 0.556 |
| **Drugs for Intestinal Parasites**  **(Last 6 Months)** |  |  |  |  |
| No | - | - |  |  |
| Yes | 1.00 (0.86-1.15) | 0.979 | 0.47 (0.19-1.15) | 0.096 |
| **Vitamin A** |  |  |  |  |
| No | - | - |  |  |
| Yes | 0.98 (0.83-1.15) | 0.789 | 0.77 (0.31-1.94) | 0.575 |
| **Stunting** |  |  |  |  |
| No | - | - |  |  |
| Yes | 0.96 (0.81-1.13) | 0.627 | 0.9 (0.34-2.35) | 0.824 |
| **Wasting** |  |  |  |  |
| No | - | - |  |  |
| Yes | 1.05 (0.79-1.38) | 0.751 | 0.33 (0.06-1.73) | 0.188 |

**Hosmer and Lemeshow goodness of fit (GOF) test**

|  |  |  |
| --- | --- | --- |
| **Test Statistic** | **d.f.** | **p-value** |
| X-squared = 6.4929 | 8 | 0.5922 |

**ROC-curve:** AUC value= 0.7318

**Chart, line chart

Description automatically generated**