**S7 Table. Univariate analyses for acute respiratory infections (ARI).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  Variable | Category | Coefficient | Standard Error | p-value |
| Child sex  | Female (Reference) |  |  |  |
|   | Male | 0.04 | 0.16 | 0.81 |
| Child age  | 1 year and less (Reference) |  |  |  |
|   | 2 to 5 years | -0.40 | 0.16 | 0.01\*\* |
| Mother age  | <18 years (Reference) |  |  |  |
|   | 18 years and above | -0.61 | 0.38 | 0.11 |
| Mother religion  | Islam (Reference) |  |  |  |
|   | Minority religion | -0.48 | 0.42 | 0.25 |
| Mother ever attended school  | No (Reference) |  |  |  |
|   | Yes | 0.24 | 0.21 | 0.25 |
| Mother employment  | No (Reference) |  |  |  |
|   | Yes | -0.43 | 0.22 | 0.04\*\* |
| Mother marital status  | Married (Reference) |  |  |  |
|   | Not married | -0.61 | 0.72 | 0.40 |
| Head age  | 13 - 29 years (Reference) |  |  |  |
|   | 30 - 44 years | -0.68 | 0.19 | 0.00\*\* |
|   | 45 years and above | 0.05 | 0.22 | 0.83 |
| Sex head  | Female (Reference) |  |  |  |
|   | Male | -0.46 | 0.25 | 0.06 |
| Marital status head  | Married (Reference) |  |  |  |
|   | Currently not married | 0.51 | 0.34 | 0.14 |
| Wealth index  | Rich (Reference) |  |  |  |
|   | Middle | -0.48 | 0.30 | 0.11 |
|   | Poor | -0.28 | 0.25 | 0.26 |
| Housing condition  | Multiple story (Reference) |  |  |  |
|   | Single story | -0.20 | 0.26 | 0.45 |
| Separate kitchen  | No (Reference) |  |  |  |
|   | Yes | -0.06 | 0.17 | 0.74 |
| Cooking fuel used  | Charcoal, dung cakes, etc. (Reference) |  |  |  |
|   | Kerosene or liquid gas | -0.20 | 0.64 | 0.76 |
|   | Natural gas | -0.59 | 0.38 | 0.12 |
|   | Wood fuel | -0.58 | 0.40 | 0.15 |
| Migration status  | Old migrants (Reference) |  |  |  |
|   | New migrants | 0.21 | 0.18 | 0.25 |
| Administrative division | Dhaka (Reference) |  |  |  |
|   | Khulna | 0.73 | 0.32 | 0.02\*\* |
|   | Rajshahi | 0.63 | 0.53 | 0.24 |
|   | Other divisions | 0.61 | 0.17 | 0.00\*\* |
| Garbage disposal  | Disposed within premises (Reference) |  |  |  |
|   | Collected from home | -0.45 | 0.35 | 0.19 |
|   | Disposed in bin outside | -0.20 | 0.38 | 0.60 |
|   | Disposed in open spaces | -0.24 | 0.33 | 0.46 |
| Ownership dwelling  | Employer or other (Reference) |  |  |  |
|   | Owned | -0.45 | 0.44 | 0.30 |
|   | Rented | -0.45 | 0.40 | 0.27 |
| Ownership land | Government (Reference) |  |  |  |
|   | Landlord | -0.33 | 0.31 | 0.29 |
|   | NGO | 0.96 | 0.57 | 0.09 |
|   | Respondent or another resident | -0.40 | 0.38 | 0.29 |

\*\* Statistically Significant at 5% level of significance.