|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maintained the recommended vaccine schedule appropriately | | |  |
|  | Yes  n (%) | No  n (%) | Total  n (%) | P-value |
| **Demographic characteristics** |  |  |  |  |
| **Age category** |  |  |  |  |
| <15 | 15 (16.5) | 76 (83.5) | 91 (24.9) | 0.039 |
| >=15 | 24 (8.8) | 250 (91.2) | 274 (75.1) |  |
| **Gender** |  |  |  |  |
| Female | 12 (11.4) | 93 (88.6) | 105 (28.8) | 0.770 |
| Male | 27 (10.4) | 233 (89.6) | 260 (71.2) |  |
| **Profession** |  |  |  |  |
| Student/Housewife | 21 (10.9) | 171 (89.1) | 192 (52.6) | 0.075 |
| Job/Business | 12 (8.2) | 135 (91.8) | 147 (40.3) |  |
| Others | 6 (23.1) | 20 (76.9) | 26 (7.1) |  |
| **Income Category** |  |  |  |  |
| <30000 | 13 (7.6) | 159 (7.6) | 172 (47.1) | 0.068 |
| >= 30000 | 26 (13.5) | 167 (86.5) | 193 (52.9) |  |
| **Highest Education** |  |  |  |  |
| No education or below the primary | 9 (17.3) | 43 (82.7) | 52 (14.2) | 0.047 |
| Primary | 14 (12.0) | 103 (88.0) | 117 (32.1) |  |
| Secondary | 6 (6.7) | 84 (93.3) | 90 (24.7) |  |
| Higher Secondary | 3 (4.3) | 66 (95.7) | 69 (18.9) |  |
| Above higher secondary | 7 (18.9) | 30 (81.1) | 37 (10.1) |  |
| **Location** |  |  |  |  |
| Dhaka North | 22 (11.0) | 178 (89.0) | 200 (54.8) | 0.651 |
| Dhaka South | 11 (9.0) | 111 (91.0) | 122 (33.4) |  |
| Outside Dhaka | 6 (14.0) | 37 (86.0) | 43 (11.8) |  |
| **Distance residence** **to IDH** |  |  |  |  |
| <10 | 12 (24.5) | 37 (75.5) | 49 (13.4) | 0.018 |
| >=10 | 38 (12.0) | 278 (88.0) | 316 (86.6) |  |
| **Hear about Rabies hospital** |  |  |  |  |
| Doctor | 7 (21.9) | 25 (78.1) | 32 (8.8) | 0.362 |
| Neighbor | 24 (12.3) | 171 (87.7) | 195 (53.4) |  |
| Relative | 7 (10.6) | 59 (89.4) | 66 (18.1) |  |
| Others | 12 (16.7) | 60 (83.3) | 72 (19.7) |  |
| **Know about rabies hospital before** |  |  |  |  |
| Yes | 19 (17.6) | 89 (82.4) | 108 (29.6) | 0.161 |
| No | 31 (12.1) | 226 (87.9) | 257 (70.4) |  |
| **Characteristics of animals’ exposure** |  |  |  |  |
| **Animal Bite** |  |  |  |  |
| Dog | 27 (15.2) | 151 (84.8) | 178 (48.8) | 0.041 |
| Cat | 20 (11.1) | 160 (88.9) | 180 (49.3) |  |
| Others | 3 (42.9) | 4 (57.1) | 7 (1.9) |  |
| **Exposure type** |  |  |  |  |
| Bite | 34 (16.3) | 174 (83.7) | 208 (57.0) | 0.090 |
| Scratch | 16 (10.2) | 141 (89.8) | 157 (43.0) |  |
| **Number of bites/scratches** |  |  |  |  |
| Single | 33 (12.5) | 231 (87.5) | 264 (72.3) | 0.559 |
| Double | 10 (16.7) | 50 (83.3) | 60 (16.4) |  |
| >=triple | 7 (17.1) | 34 (82.9) | 41 (11.2) |  |
| **Type of animal** |  |  |  |  |
| Stray | 26 (13.3) | 169 (86.7) | 195 (53.4) | 0.538 |
| Community own | 12 (17.6) | 56 (82.4) | 68 (18.6) |  |
| Own pet | 12 (11.8) | 90 (88.2) | 1O2 (27.9) |  |
| **Site of bite** |  |  |  |  |
| Upper limb | 18 (12.8) | 123 (87.2) | 141 (38.6) | 0.516 |
| Lower limb | 26 (13.3) | 169 (86.7) | 195 (53.4) |  |
| Others | 6 (20.7) | 23 (79.3) | 29 (7.9) |  |
| **Status of biting animals** |  |  |  |  |
| Healthy | 35 (11.7) | 265 (88.3) | 300 (82.2) | 0.029 |
| Sick but no rabies | 12 (26.1) | 34 (73.9) | 46 (12.6) |  |
| Suspected rabid | 3 (15.8) | 16 (84.2) | 19 (5.2) |  |
| **Reason of bite** |  |  |  |  |
| Provoked by patient | 16 (10.0) | 144 (90.0) | 160 (43.8) | 0.006 |
| Provoked by animals | 3 (5.8) | 49 (94.2) | 52 (14.2) |  |
| Unprovoked | 31 (20.3) | 122 (79.7) | 153 (41.9) |  |
| **Category of wound** |  |  |  |  |
| Cat-I | 3 (5.5) | 52 (94.5) | 55 (15.1) | 0.055 |
| Cat-II | 19 (12.3) | 135 (87.7) | 154 (42.2) |  |
| Cat-III | 28 (17.9) | 128 (82.1) | 156 (42.7) |  |
| **Measures taken** |  |  |  |  |
| Wash with water and soap | 4 (8.0) | 46 (92.0) | 50 (13.7) | 0.553 |
| Wash with water only | 38 (14.6) | 222 (85.4) | 260 (71.2) |  |
| Others | 1 (8.3) | 11 (91.7) | 12 (3.3) |  |
| Did nothing | 7 (16.3) | 36 (83.7) | 43 (11.8) |  |
| **Reason for coming late to take the vaccine** |  |  |  |  |
| Don’t know about the vaccine schedule | 11 (17.2) | 53 (82.8) | 64 (17.5) | 0.013 |
| Busy with other works | 17 (11.6) | 130 (88.4) | 147 (40.3) |  |
| Bite induced suffering | 14 (25.9) | 40 (74.1) | 54 (14.8) |  |
| Distance | 8 (8.0) | 92 (92.0) | 100 (27.4) |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maintained the recommended vaccine schedule appropriately | | |  |
|  | COR (95% CI) | P-value | AOR (95% CI) | P-value |
| **Demographic characteristics** |  |  |  |  |
| **Age category** |  |  |  |  |
| <15 | 2.06 (1.03 – 4.12) | 0.042 | 1.26 (0.45 – 3.50) | 0.660 |
| >=15 | Reference |  | Reference |  |
| **Gender** |  |  |  |  |
| Female | 0.90 (0.44 – 1.85) | 0.770 |  |  |
| Male | Reference |  |  |  |
| **Profession** |  |  |  |  |
| Student/Housewife | 0.73 (0.34 – 1.52) | 0.395 | 0.69 (0.28 – 1.69) | 0.421 |
| Job/Business | 2.44 (0.88 – 6.77) | 0.086 | 2.59 (0.41 – 6.39) | 0.312 |
| Others | Reference |  | Reference |  |
| **Income Category** |  |  |  |  |
| <30000 | 1.90 (0.95 – 3.84) | 0.071 | 0.52 (0.24 – 1.12) | 0.096 |
| >= 30000 | Reference |  | Reference |  |
| **Highest Education** |  |  |  |  |
| No education or below the primary | 4.61 (1.18 – 17.98) | 0.028 | 6.39 (1.10 – 7.08) | 0.039 |
| Primary | 2.99 (0.83 – 10.81) | 0.095 | 5.88 (1.51 – 12.93) | 0.011 |
| Secondary | 1.57 (0.38 – 6.52) | 0.534 | 2.94 (0.68 – 8.74) | 0.149 |
| Higher Secondary | 5.13 (1.24 – 21.23) | 0.024 | 8.38 (1.70 – 11.22) | 0.009 |
| Above higher secondary | Reference |  | Reference |  |
| **Location** |  |  |  |  |
| Dhaka North | 0.80 (0.37 – 1.72) | 0.570 |  |  |
| Dhaka South | 1.31 (0.50 – 3.46) | 0.583 |  |  |
| Outside Dhaka | Reference |  |  |  |
| **Distance residence** **to IDH** |  |  |  |  |
| <10 | 2.37 (1.14 – 4.94) | 0.021 | 6.78 (2.50 – 8.49) | <0.001 |
| >=10 | Reference |  | Reference |  |
| **Hear about Rabies hospital** |  |  |  |  |
| Doctor | 1.40 (0.49 – 3.97) | 0.527 |  |  |
| Neighbor | 0.70 (0.33 – 1.49) | 0.356 |  |  |
| Relative | 0.59 (0.22 – 1.61) | 0.306 |  |  |
| Others | Reference |  |  |  |
| **Know about rabies hospital before** |  |  |  |  |
| Yes | 1.56 (0.84 – 2.90) | 0.306 |  |  |
| No | Reference |  |  |  |
| **Characteristics of animals’ exposure** |  |  |  |  |
| **Animal Bite** |  |  |  |  |
| Dog | 0.70 (0.38 – 1.30) | 0.257 | 0.85 (0.36 – 2.02) | 0.718 |
| Cat | 4.19 (0.89 – 19.80) | 0.070 | 2.41 (0.40 – 4.62) | 0.338 |
| Others | Reference |  | Reference |  |
| **Exposure type** |  |  |  |  |
| Bite | 1.72 (0.91 – 3.25) | 0.093 | 1.36 (0.56 – 3.30) | 0.500 |
| Scratch | Reference |  | Reference |  |
| **Number of bites/scratches** |  |  |  |  |
| Single | 1.40 (0.65 – 3.03) | 0.392 |  |  |
| Double | 1.44 (0.59 – 3.52) | 0.422 |  |  |
| >=triple | Reference |  |  |  |
| **Type of animal** |  |  |  |  |
| Stray | 1.15 (0.56 – 2.40) | 0.701 |  |  |
| Community own | 1.61 (0.68 – 3.82) | 0.283 |  |  |
| Own pet | Reference |  |  |  |
| **Site of bite** |  |  |  |  |
| Upper limb | 1.05 (0.55 – 2.00) | 0.879 |  |  |
| Lower limb | 1.78 (0.64 – 4.97) | 0.269 |  |  |
| Others | Reference |  |  |  |
| **Status of biting animals** |  |  |  |  |
| Healthy | 2.67 (1.27 – 5.64) | 0.010 | 2.11 (0.79 – 5.62) | 0.137 |
| Sick but no rabies | 1.42 (0.39 – 5.12) | 0.592 | 0.75 (0.14 – 3.98) | 0.738 |
| Suspected rabid | Reference |  | Reference |  |
| **Reason of bite** |  |  |  |  |
| Provoked by patient | 0.55 (0.15 – 1.97) | 0.360 | 0.41 (0.08 – 2.04) | 0.278 |
| Provoked by animals | 2.29 (1.19 – 4.38) | 0.013 | 10.34 (3.25 – 12.87) | <0.001 |
| Unprovoked | Reference |  | Reference |  |
| **Category of wound** |  |  |  |  |
| Cat-I | 2.44 (0.69 – 8.59) | 0.165 | 1.46 (0.36 – 5.88) | 0.591 |
| Cat-II | 3.79 (1.10 – 13.02) | 0.013 | 4.94 (3.13 – 7.21) | <0.001 |
| Cat-III | Reference |  | Reference |  |
| **Measures taken** |  |  |  |  |
| Wash with water and soap | 1.97 (0.67 – 5.79) | 0.218 |  |  |
| Wash with water only | 1.05 (0.11 – 10.30) | 0.970 |  |  |
| Others | 2.24 (0.61 – 8.24) | 0.227 |  |  |
| Did nothing | Reference |  |  |  |
| **Reason for coming late to take the vaccine** |  |  |  |  |
| Don’t know about the vaccine schedule | 2.39 (0.90 – 6.31) | 0.079 | 8.78 (1.76 – 10.71) | 0.015 |
| Busy with other works | 1.50 (0.62 – 3.63) | 0.364 | 5.58 (1.95 – 14.55) | 0.010 |
| Bite induced suffering | 4.03 (1.57 – 10.35) | 0.004 | 3.51 (1.03 – 8.98) | 0.045 |
| Distance | Reference |  | Reference |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hosmer and Lemeshow Test** | | | **Area Under the Curve** | |
| Chi-square | df | P-value | Area | 95% CI |
| 12.709 | 8 | 0.122 | 71.10% | 71.00%-71.20% |

