Fig 1:



Table 1:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Minimum | Maximum | Mean | SD |
| Age | 1.00 | 70.00 | 25.88 | 15.60 |
| Family income | 10000 | 450000 | 34105.03 | 40661.61 |
| Residence to IDH | 1.00 | 110.00 | 10.42 | 9.40 |
| Travel costs to the IDH | 10.00 | 1000.00 | 147.98 | 113.14 |
| Time gap between bite to IDH visit | 0.00 | 180.00 | 3.22 | 14.78 |
| Medicine cost | 150.00 | 800.00 | 344.73 | 45.97 |

Figure 2

Table 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maintained the recommended vaccine schedule appropriately | | |  |
|  | Yes  n (%) | No  n (%) | Total  n (%) | P-value |
| **Demographic characteristics** |  |  |  |  |
| **Age category** |  |  |  |  |
| <15 | 14 (11.5) | 108 (88.5) | 122 (26.7) | 0.055 |
| >=15 | 64 (19.1) | 271 (80.9) | 335 (73.3) |  |
| **Gender** |  |  |  |  |
| Female | 32 (22.5) | 110 (77.5) | 142 (31.1) | 0.037 |
| Male | 46 (14.6) | 269 (85.4) | 315 (68.9) |  |
| **Profession** |  |  |  |  |
| Student | 23 (14.1) | 140 (85.9) | 163 (35.7) | 0.027 |
| Job/Business | 17 (12.9) | 115 (87.1) | 132 (28.9) |  |
| Housewife | 19 (23.2) | 63 (76.8) | 82 (17.9) |  |
| Children | 4 (13.3) | 26 (86.7) | 30 (6.6) |  |
| Others | 15 (30.0) | 35 (70.0) | 50 (10.9) |  |
| **Income Category** |  |  |  |  |
| <30000 | 59 (28.4) | 149 (71.6) | 208 (45.5) | <0.001 |
| >= 30000 | 19 (7.6) | 230 (92.4) | 249 (54.5) |  |
| **Highest Education** |  |  |  |  |
| No education or below the primary | 16 (29.6) | 38 (70.4) | 54 (11.8) | 0.114 |
| Primary | 14 (13.7) | 88 (86.3) | 102 (22.3) |  |
| Secondary | 25 (16.1) | 130 (83.9) | 155 (33.9) |  |
| Higher Secondary | 10 (13.9) | 62 (86.1) | 72 (15.8) |  |
| Above higher secondary | 13 (17.6) | 61 (82.4) | 74 (16.2) |  |
| **Residence** |  |  |  |  |
| Dhaka North | 42 (15.1) | 178 (84.9) | 279 (61.1) | 0.303 |
| Dhaka South | 25 (19.2) | 111 (80.8) | 130 (28.4) |  |
| Outside Dhaka | 11 (22.9) | 37 (77.1) | 48 (10.5) |  |
| **Distance residence** **to IDH** |  |  |  |  |
| <10 (below avg) | 55 (22.1) | 194 (77.9) | 249 (54.5) | 0.002 |
| >=10 (above avg) | 23 (11.1) | 185 (88.9) | 208 (45.5) |  |
| **Know about IDH before** |  |  |  |  |
| Yes | 46 (13.4) | 297 (86.6) | 343 (75.1) | <0.001 |
| No | 32 (28.1) | 82 (71.9) | 114 (24.9) |  |
| **Hear about IDH** |  |  |  |  |
| Doctor | 9 (15.5) | 49 (84.5) | 58 (12.7) | <0.001 |
| Neighbor | 32 (12.2) | 231 (87.8) | 263 (57.5) |  |
| Relative | 25 (25.0) | 75 (75.0) | 100 (21.9) |  |
| Others | 12 (33.3) | 24 (66.7) | 36 (7.9) |  |
| **Characteristics of animals’ exposure** |  |  |  |  |
| **Animal Bite/scratch** |  |  |  |  |
| Dog | 51 (21.9) | 182 (78.1) | 233 (51.0) | 0.020 |
| Cat | 26 (12.1) | 189 (87.9) | 215 (47.0) |  |
| Others | 1 (11.1) | 8 (88.9) | 9 (2.0) |  |
| **Exposure type** |  |  |  |  |
| Bite | 56 (21.1) | 209 (78.9) | 265 (58.0) | 0.008 |
| Scratch | 22 (11.5) | 170 (88.5) | 192 (42.0) |  |
| **Number of bites/scratches** |  |  |  |  |
| Single | 49 (14.8) | 282 (85.2) | 331 (72.4) | 0.037 |
| Multiple | 29 (23.0) | 97 (77.0) | 126 (27.6) |  |
| **Type of animal** |  |  |  |  |
| Stray | 51 (20.8) | 194 (79.2) | 245 (53.6) | 0.055 |
| Community own | 8 (8.5) | 86 (91.5) | 94 (20.6) |  |
| Own pet | 18 (15.8) | 96 (84.2) | 114 (24.9) |  |
| Wild | 1 (25.0) | 3 (75.0) | 4 (0.9) |  |
| **Reason of bite** |  |  |  |  |
| Provoked by patient | 27 (14.2) | 163 (85.8) | 190 (41.6) | 0.004 |
| Provoked by animals | 4 (6.2) | 61 (93.8) | 65 (14.2) |  |
| Unprovoked | 45 (22.5) | 155 (77.5) | 200 (43.8) |  |
| **Category of wound** |  |  |  |  |
| Cat-I | 3 (75.0) | 1 (25.0) | 4 (0.9) | 0.007 |
| Cat-II | 24 (15.0) | 136 (85.0) | 160 (35.0) |  |
| Cat-III | 51 (17.4) | 242 (82.6) | 293 (64.1) |  |
| **Measures taken** |  |  |  |  |
| Wash with water only | 12 (18.5) | 53 (81.5) | 65 (14.2) | <0.001 |
| Wash with water and soap | 48 (15.1) | 270 (84.9) | 318 (69.6) |  |
| Did nothing | 8 (13.6) | 51 (86.4) | 59 (12.9) |  |
| Others | 10 (66.7) | 5 (33.3) | 15 (3.3) |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Maintained the recommended vaccine schedule appropriately | | |  |
|  | COR (95% CI) | P-value | AOR (95% CI) | P-value |
| **Demographic characteristics** |  |  |  |  |
| **Age category** |  |  |  |  |
| <15 | 1.82 (0.98 – 3.39) | 0.058 | 1.46 (0.51 – 4.15) | 0.481 |
| >=15 | Reference |  | Reference |  |
| **Gender** |  |  |  |  |
| Female | 0.59 (0.36 – 0.97) | 0.038 | 0.63 (0.28 – 0.91) | 0.025 |
| Male | Reference |  | Reference |  |
| **Profession** |  |  |  |  |
| Student | 0.90 (0.46 – 1.77) | 0.759 | 0.73 (0.30 – 1.83) | 0.506 |
| Job/Business | 1.84 (0.93 – 3.61) | 0.078 | 0.85 (0.26 – 2.77) | 0.788 |
| Housewife | 0.94 (0.30 – 2.93) | 0.910 | 0.48 (0.08 – 2.95) | 0.431 |
| Children | 2.61 (1.23 – 5.52) | 0.012 | 1.12 (0.36 – 3.47) | 0.847 |
| Others | Reference |  | Reference |  |
| **Income Category** |  |  |  |  |
| <30000 | 4.79 (2.75 – 8.36) | <0.001 | 4.18 (2.07 – 8.47) | <0.001 |
| >= 30000 | Reference |  | Reference |  |
| **Highest Education** |  |  |  |  |
| No education or below the primary | 2.61 (1.08 – 6.34) | 0.034 | 2.01 (0.47 – 8.58) | 0.348 |
| Primary | 0.99 (0.41 – 2.36) | 0.980 | 0.90 (0.26 – 3.15) | 0.870 |
| Secondary | 1.19 (0.54 – 2.64) | 0.664 | 1.12 (0.41 – 3.06) | 0.818 |
| Higher Secondary | 1.32 (0.54 – 3.24) | 0.543 | 1.95 (0.62 – 6.11) | 0.250 |
| Above higher secondary | Reference |  | Reference |  |
| **Location** |  |  |  |  |
| Dhaka North | 1.34 (0.78 – 2.32) | 0.289 | 2.25 (1.06 – 4.75) | 0.034 |
| Dhaka South | 1.68 (0.79 – 3.55) | 0.176 | 3.39 (1.01 – 5.38) | 0.048 |
| Outside Dhaka | Reference |  | Reference |  |
| **Distance residence** **to IDH** |  |  |  |  |
| <10 | 2.28 (1.35 – 3.86) | 0.002 | 3.82 (1.64 – 8.93) | 0.002 |
| >=10 | Reference |  | Reference |  |
| **Hear about IDH** |  |  |  |  |
| Doctor | 0.37 (0.14 – 0.99) | 0.048 | 0.53 (0.14 – 2.03) | 0.356 |
| Neighbor | 0.28 (0.13 – 0.61) | <0.001 | 0.64 (0.22 – 1.84) | 0.408 |
| Relative | 0.67 (0.29 – 1.53) | 0.337 | 1.17 (0.39 – 3.50) | 0.784 |
| Others | Reference |  | Reference |  |
| **Know about IDH** |  |  |  |  |
| Yes | 0.40 (0.24 – 0.66) | <0.001 | 0.33 (0.17 – 0.65) | <0.001 |
| No | Reference |  | Reference |  |
| **Characteristics of animals’ exposure** |  |  |  |  |
| **Animal Bite** |  |  |  |  |
| Dog | 0.49 (0.29 – 0.82) | 0.007 | 0.59 (0.25 – 0.94) | 0.022 |
| Cat | 0.45 (0.16 – 3.65) | 0.452 | 0.19 (0.15 – 3.66) | 0.274 |
| Others | Reference |  | Reference |  |
| **Exposure type** |  |  |  |  |
| Scratch | 2.07 (1.22 – 3.53) | 0.007 | 1.77 (1.16 – 3.66) | 0.012 |
| Bite | Reference |  | Reference |  |
| **Number of bites/scratches** |  |  |  |  |
| Single | 0.58 (0.35 – 0.97) | 0.038 | 0.41 (0.20 – 0.81) | 0.010 |
| Multiple | Reference |  | Reference |  |
| **Type of animal** |  |  |  |  |
| Stray | 0.35 (0.16 – 0.78) | 0.010 | 0.36 (0.13 – 0.95) | 0.039 |
| Community own | 0.71 (0.40 – 1.29) | 0.262 | 0.48 (0.20 – 1.18) | 0.112 |
| Own pet | 1.27 (0.13 – 2.45) | 0.839 | 1.90 (0.13 – 2.94) | 0.754 |
| Wild | Reference |  | Reference |  |
| **Reason of bite** |  |  |  |  |
| Provoked by patient | 0.40 (0.13 – 1.18) | 0.096 | 0.46 (0.13 – 1.67) | 0.236 |
| Provoked by animals | 1.75 (1.04 – 2.96) | 0.036 | 1.49 (0.74 – 2.98) | 0.265 |
| Unprovoked | Reference |  | Reference |  |
| **Category of wound** |  |  |  |  |
| Cat-I | 4.24 (1.45 – 13.62) | 0.023 | 8.48 (0.75 – 14.28) | 0.074 |
| Cat-II | 0.84 (0.49 – 1.42) | 0.511 | 0.81 (0.40 – 1.66) | 0.573 |
| Cat-III | Reference |  | Reference |  |
| **Measures taken** |  |  |  |  |
| Wash with water and soap | 0.21 (0.13 – 0.49) | 0.001 | 0.48 (0.17 – 1.98) | 0.248 |
| Wash with water only | 0.19 (0.13 – 0.37) | <0.001 | 0.29 (0.14 – 0.91) | 0.024 |
| Others | 0.18 (0.12 – 0.39) | <0.001 | 0.22 (0.12 – 0.84) | 0.022 |
| Did nothing | Reference |  | Reference |  |

Table 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Hosmer and Lemeshow Test** | | | **Area Under the Curve** | | **Classification Accuracy** |
| Chi-square | df | P-value | Area | 95% CI |
| 5.97 | 8 | 0.651 | 85.20% | 83.96%-87.51% | 87.50% |

Figure 3

