**Table S2:** The bi-variable and multi-variable logistic regression for the presence of an association between active trachoma with socio-demographic and economic status on the title prevalence and risk factors of active trachoma among rural preschool children in Wadla district, Northern Ethiopia, 2016/17, (n=596)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Trachoma (n=596)** | | | **OR (95% CI)** | | | |
| **Presence (%)** | | **Absence (%)** | **COR** | | **AOR** | |
| **Social Class or status**  Poor  Medium  Rich | 73 (56.2)  45 (34.6)  12 (9.2) | | 101 (21.7)  288 (61.8)  77(16.5) | **4.6 (2.3-9.1) \***  1.003 (.506-1.988)  1.000 | | **4.2 (1.5-12.0)**  0.5(0.2-1.4)  1.00 | |
| **Sex o children**  Male  Female | 57 (43.8)  73 (56.2) | | 244 (52.4)  222 (47.6) | 1.00  1.40 (0.9-2.1) | | 1.00  1.7(0.9-3.4) | |
| **Age of children in months**  12-24  25-36  37-48  49-59 | 42 (32.3)  14 (10.8)  36 (27.7)  38 (29.2) | | 166 (35.6)  88 (18.9)  93 (20)  119 (25.5) | 0.8 (0.5-1.3)  **0.5 (0.3-0.9**) \*\*  1.2 (0.7-2.1)  1,00 | | 0.7 (0.3-1.8)  0.7(0.2- 2.1)  **2.7(.1.0-7.2)**  1.00 | |
| **MUAC of children**  Less than 13.9  Greater than 14 | 81(62.3)  49(37.7) | | 230 (49.4)  236 (50.6) | **1.7 (1.1-2.52) \***  1.00 | | 1.3 (0.6-2.6)  1.00 | |
| **Fathers occupation**  Farmer  Others | 126 (96.9)  4 (3.1) | 430 (92.3)  36 (7.7) | | | 2.6 (0.9-7.5)  1.00 | | 1.7(0.3-8.9.0)  1.00 |
| **Mothers education**  Unable to read & write  Able to read & write  Formal education | 111 (85.4)  12 (9.2)  7 (5.4) | 348 (74.7)  53 (11.4)  65 (13.9) | | | **2.9 (1.3-6.6) \***  2.1 (0.8-5.7)  1.00 | | 0.8 (0.2-3.2)  0.3 (0.1-1.6)  1.00 |
| **Fathers education**  Unable to read & write  Able to read & write  Formal education | 93 (71.5)  28 (21.5)  9 (6.9) | 299 (64.2)  102 (21.9)  65 (13.9) | | | **2.3 (1.1-4.7) \*\***  1.9(0.9-4.5)  1.00 | | 1.4 (0.3-6.2)  2.1 (0.5-9.7)  1.00 |
| **Face of the child**  Clean face  Ocular discharge  Nasal discharge  Fly on face  Ocular and nasal discharge  Fly, ocular and nasal discharge | 52(40.0)  18 (13.8)  22(16.9)  12 (9.2)  12 (9.2)  14 (10.8) | 228 (48.9)  71 (15.2)  53 (11.4)  51(10.9)  22 (4.7)  41 (8.8) | | | 1.00  1.1 (0.6-2.0)  **1.8 (1.0-3.2)** \*  1.0(0.5-2.0)  **2.4 (1.1-5.1)** \*  1.5 (0.7-2.9) | | 1.00  1.4(0.5-3.5)  2.6 (0.9-6.6)  1.6 (0.6-4.8)  2.0 (0.6-6.3)  1.2 (0.4-3.8) |

Note: “\*” = P - value less than 0.001 and “\*\*” = P - value less than 0.05 on bi-variate analysis