**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) | 1.001.40 (0.9-2.1) | 1.001.7(0.9-3.4) |
| **Age of children in months**12-2425-3637-4849-59  | 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 13.9Greater 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 faceOcular discharge Nasal discharge Fly on faceOcular 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) | 1.001.1 (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) | 1.001.4(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