## Supplementary Table 2: Factors associated with HIV among all participants (N=5486)

| **Risk factor** |  | **HIV negative, n(%)** | **HIV positive, n(%)** | **Univariate** | **Multivariate** |
| --- | --- | --- | --- | --- | --- |
|  |  | **n=5345** | **n=141** | **OR (95% CI)** | **p** | **OR (95% CI)** | **p** |
| **Gender** | Male Female | 2495 (46.7)2850 (53.3) | 70 (50.7)71 (50.4) | 10.84 (0.58, 1.21) | -0.35 | 10.94 (0.63, 1.39) | -0.75 |
| **Age group** | 8-1213-17 | 2775 (51.9)2570 (48.1) | 60 (42.6)81 (57.5) | 11.44 (0.98, 2.11) | -0.06 | 11.03 (0.71, 1.51) | -0.87 |
| **Parent died** | NoYes | 4490 (84.0)855 (16.0) | 77 (54.6)64 (45.4) | 14.11 (2.72, 6.20) | -<0.01 | 13.24 (2.08, 5.04) | -<0.01 |
| **Marital status** | Never married/lived togetherEver married/ lived together | 5293 (99.0)52 (1.00) | 138 (97.9)3 (2.1) | 11.36 (0.42, 4.42) | -0.61 |  |  |
| **Education** | Normal/high grade for ageLow grade for age/never been to school | 3598 (67.3)1747 (32.7) | 64 (45.4)77 (54.6) | 12.57 (1.81, 3.66) | -<0.01 | 12.22 (1.53, 3.21) | -<0.01 |
| **Caregiver** | ParentNot a parent | 3929 (73.5)1416 (26.5) | 81 (57.5)60 (42.6) | 11.89 (1.29, 2.77) | -<0.01 | 11.20 (0.84, 1.72) | -0.32 |
| **Share food with HIV+ child** | Comfortable Uncomfortable | 4848 (90.9)484 (9.1) | 136 (96.5)5 (3.6) | 10.30 (0.12, 0.76) | -0.01 | 10.28 (0.11, 0.73) | -<0.01 |
| **Age of HH head** | <24 [reference group] | 108 (2.0) | 5 (3.6) | 1.34 (1.02, 1.77)\* | 0.04 | 1.15 (0.88, 1.50)\* | 0.30 |
|  | 25-39  | 1949 (36.5) | 39 (27.7) |  |  |  |  |
|  | 40-59 | 2580 (48.3) | 68 (48.2) |  |  |  |  |
|  | 60+ | 707 (13.2) | 29 (20.6) |  |  |  |  |
| **Education of HH head** | Secondary/furtherNone/primary | 4886 (91.4)458 (8.6) | 127 (90.1)14 (9.9) | 11.29 (0.53, 3.14) | -0.58 |  |  |
| **HH monthly income** | No regular salary [reference group] | 2806 (52.5) | 86 (61.0) | 0.87 (0.75, 1.01)\* | 0.07 | 0.94 (0.80, 1.11)\* | 0.50 |
|  | USD 1-200 | 218 (4.1) | 5 (3.6) |  |  |  |  |
|  | USD 201-500 | 1440 (27.0) | 32 (22.7) |  |  |  |  |
|  | >USD 500 | 880 (16.5) | 18 (12.8) |  |  |  |  |
| **Hospital admission** | Never admittedEver admitted | 5050 (94.5)295 (5.5) | 104 (73.8)37 (26.2) | 15.86 (3.84, 8.95) | -<0.01 | 15.94 (3.74, 9.42) | -<0.01 |

\* Odds ratio for trend