**Supplementary Table 1: Correlates of engagement in the PMTCT cascade**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Attended ≥4 ANC  | Used maternal ARVs for PMTCT  | Used infant ARVs for PMTCT  |
|  | univariate | multivariable |  | univariate | multivariable |  | univariate | multivariable |
| n (%) a | OR (95% CI)  | p | OR (95% CI)  | p | n (%) b | OR (95% CI)  | p | OR (95% CI)  | p | n (%) c | OR (95% CI)  | p | OR (95% CI)  | p |
| Overall | 1160 (44.2) |  |  |  |   | 243 (84.4) |  |  |  |  | 478 (97.2) |  |  |  |  |
| Adolescent | 98 (35.2) | 0.64 (0.49 - 0.85) | **0.002** | 0.54 (0.37 - 0.79) | **0.001** | 13 (65.0) | 0.31 (0.12 - 0.80) | **0.02** | 0.32 (0.11 - 0.92) | **0.03** | 18 (85.7) | 0.15 (0.03 - 0.65) | **0.01** | 0.21 (0.03 - 1.52) | 0.12 |
| Employed | 465 (49.0) | 1.37 (1.08 - 1.73) | **0.01** | 1.27 (1.00 - 1.16) | 0.05 | 93 (86.1) | 1.24 (0.60 - 2.58) | 0.56 |  |  | 199 (97.6) | 1.31 (0.43 - 3.99) | 0.63 |  |  |
| Crowding | 462 (40.1) | 0.76 (0.60 - 0.95) | **0.02** | 0.81 (0.64 - 1.02) | 0.07 | 112 (86.2) | 1.31 (0.65 - 2.67) | 0.45 |  |  | 216(97.3) | 1.17 (0.30 - 4.55) | 0.82 |  |  |
| Partnership |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |
|  No partner | 110 (39.1) | Ref |  |  |   | 42 (76.4) | Ref |  | Ref |  | 76 (97.4) | Ref |  |  |  |
|  Unmarried | 28(34.0) | 0.81 (0.42 - 1.55) | 0.52 |  |   | 2 (100.0) | - |  | - |  | 11 (100.0) | - |  |  |  |
|  Married/cohabiting | 1022 (45.3) | 1.30 (0.87 - 1.94) | 0.19 |  |   | 199 (86.2) | 1.91 (0.89 - 4.07) | 0.09 | 0.82 (0.28 - 2.40) | 0.72 | 391 (97.0) | 0.81(0.18 - 3.72) | 0.8 |  |  |
| Intimate partner violence | 72 (35.0) | 0.65 (0.42 - 1.00) | 0.05 | 0.76 (0.50 - 1.18) | 0.22 | 42 (82.4) | 0.76 (0.35 - 1.64) | 0.48 |  |  | 84 (97.7) | 1.13 (0.38 - 3.30) | 0.83 |  |  |
| Depression | 117 (45.2) | 1.05 (0.73 - 1.52) | 0.8 |  |   | 49 (87.5) | 1.37 (0.54 - 3.49) | 0.5 |  |  | 109 (96.5) | 0.74 (0.22 - 2.45) | 0.62 |  |  |
| Primigravida | 489(52.7) | 1.69 (1.42 - 2.00) | **<0.001** | 2.18 (1.74 - 2.73) | **<0.001** | 42 (82.4) | 0.85 (0.42 - 1.75) | 0.66 |  |  | 58 (95.1) | 0.56 (0.15 - 2.04) | 0.37 |  |  |
| Pregnancy intended | 743 (49.8) | 1.66 (1.29 - 2.11) | **<0.001** | 1.48 (1.14 - 1.93) | **0.004** | 138 (86.3) | 1.46 (0.81 - 2.63) | 0.2 |  |  | 266 (98.2) | 2.51 (0.82 - 7.67) | 0.11 |  |  |
| HIV status disclosed | 1056 (45.5) | 1.17 (0.92 - 1.49) | 0.2 |  |   | 197 (88.0) | 2.84 (1.42 - 5.69) | **0.004** | 2.88 (1.13 - 7.31) | **0.03** | 402 (98.5) | 6.69 (2.17 - 20.64) | **0.001** | 6.12(1.27 – 29.55) | **0.024** |
| HIV status |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |
|  Negative | 1048 (43.9) | Ref |  |  |   |  |  |  |  |  |  |  |  |  |  |
|  Positive pre-pregnancy | 69 (69.0) | 2.83 (1.81 - 4.40) | **<0.001** | 3.33 (2.07 - 5.38) | **<0.001** | 94 (87.0) | Ref |  |  |  | 197 (98.3) | Ref |  | Ref |  |
|  Positive in pregnancy  | 39 (47.3) | 1.13 (0.64 - 2.01) | 0.66 | 1.33 (0.72 - 2.44) | 0.36 | 149 (82.8) | 0.72 (0.34 - 1.54) | 0.4 |  |  | 181 (95.3) | 0.36 (0.13 - 1.00) | 0.05 | 0.58(0.13 - 2.61) | 0.47 |
| Facility delivery |  |  |  |  |   | 211 (85.4) | 1.64 (0.63 - 4.28) | 0.31 |  |  | 403 (98.3) | 5.45 (1.78 -16.68) | **0.003** | 4.64 (1.55 - 13.89) | **0.007** |
| Attendance ≥4 ANC visits |  |  |  |  |  | 138(90.8) | 2.81(1.44 - 5.47) | **0.003** | 2.65(1.39 - 5.08) | **0.004** | 270(98.9) | 4.75(1.23 - 18.29) | **0.024** | 2.55(0.67 - 9.71) | 0.17 |

a Among women in primary survey with known number of ANC visits

b Among HIV+ women in primary and secondary surveys who attended ≥1 ANC visit and were not on ART before pregnancy

c Among HIV+ women in primary and secondary surveys who attended ≥1 ANC visit