**Supplementary Table 2.** Prevalence of four sexual behaviors by HIV status, in total population and stratified by sex, among HAALSI participants in rural South Africa, 2014-2015 (n=5059)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **HIV status, laboratory confirmed** | **HIV status, self-reported** | **HIV status, laboratory confirmed, with positives broken down by self-report** |
|  | Positiven=1048 | Negativen=3512 | Positiven=616 | Negativen=2587 | Unknownn=1821 | Tests positive with positive self-reportn=537 | Tests positive with negative/unknown self-reportn=506 | Tests negativen=3512 |
| **TOTAL** |  |  |  |  |  |  |  |  |
| **Recent partner** |  |  |  |  |  |  |  |  |
|  Yes | 588 (56.8) | 1933 (56.9) | 361 (59.9) | 969 (38.5) | 840 (48.5) | 305 (57.8) | 278 (55.4) | 1933 (56.9) |
|  No | 447 (43.2) | 1463 (43.1) | 242 (40.1) | 1551 (61.6) | 892 (51.5) | 223 (42.2) | 224 (44.6) | 1463 (43.1) |
|  Missing | 13 | 116 | 13 | 67 | 89 | 9 | 4 | 116 |
| **Any condom use1** |  |  |  |  |  |  |  |  |
|  Yes | 305 (52.1) | 293 (15.3) | 264 (73.3) | 283 (18.4) | 133 (16.1) | 228 (74.8) | 74 (26.8) | 293 (15.3) |
|  No | 281 (48.0) | 1623 (84.7) | 96 (26.7) | 1258 (81.6) | 693 (83.9) | 77 (25.3) | 202 (73.2) | 1623 (84.7) |
|  Missing | 2 | 17 | 1 | 10 | 14 | 0 | 2 | 17 |
| **Casual sex1** |  |  |  |  |  |  |  |  |
|  Yes | 137 (23.4) | 169 (8.8) | 97 (26.9) | 148 (9.6) | 95 (11.4) | 87 (28.5) | 50 (18.1) | 169 (8.8) |
|  No | 449 (76.6) | 1760 (91.2) | 264 (73.1) | 1400 (90.4) | 742 (88.7) | 218 (71.5) | 226 (81.9) | 1760 (91.2) |
|  Missing | 2 | 4 | 0 | 3 | 3 | 0 | 2 | 4 |
| **Multiple partners1** |  |  |  |  |  |  |  |  |
|  Yes | 64 (10.9) | 146 (7.6) | 41 (11.4) | 120 (7.7) | 66 (7.9) | 39 (12.8) | 24 (8.6) | 146 (7.6) |
|  No | 524 (89.1) | 1787 (92.5) | 320 (88.6) | 1431 (92.3) | 774 (92.1) | 266 (87.2) | 254 (91.4) | 1787 (92.5) |
|  Missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **MEN** |  |  |  |  |  |  |  |  |
| **Recent partner1** |  |  |  |  |  |  |  |  |
|  Yes | 365 (76.5) | 1183 (76.6) | 220 (78.6) | 904 (80.5) | 587 (70.7) | 190 (77.9) | 172 (74.8) | 1183 (76.6) |
|  No | 112 (23.5) | 361 (23.4) | 60 (21.4) | 219 (19.5) | 243 (29.3) | 54 (22.1) | 58 (25.2) | 361 (23.4) |
|  Missing | 6 | 70 | 7 | 40 | 51 | 5 | 1 | 70 |
| **Any condom use1** |  |  |  |  |  |  |  |  |
|  Yes | 192 (52.8) | 180 (15.3) | 167 (76.3) | 166 (18.5) | 102 (17.7) | 146 (76.8) | 45 (26.3) | 180 (15.3) |
|  No | 172 (47.3) | 994 (84.7) | 52 (23.7) | 733 (81.5) | 476 (82.4) | 44 (23.2) | 126 (73.7) | 994 (84.7) |
|  Missing | 1 | 9 | 1 | 5 | 9 | 0 | 1 | 9 |
| **Casual sex1** |  |  |  |  |  |  |  |  |
|  Yes | 84 (23.1) | 117 (9.9) | 56 (25.5) | 101 (11.2) | 68 (11.6) | 51 (26.8) | 33 (19.4) | 117 (9.9) |
|  No | 279 (76.9) | 1065 (90.1) | 164 (74.6) | 801 (88.8) | 518 (88.4) | 139 (73.2) | 137 (80.6) | 1065 (90.1) |
|  Missing | 2 | 1 | 0 | 2 | 1 | 0 | 2 | 1 |
| **Multiple partners1** |  |  |  |  |  |  |  |  |
|  Yes | 60 (16.4) | 140 (11.8) | 38 (17.3) | 113 (12.5) | 65 (11.1) | 36 (19.0) | 23 (13.4) | 140 (11.8) |
|  No | 305 (83.6) | 1043 (88.2) | 182 (82.7) | 791 (87.5) | 522 (88.9) | 154 (81.0) | 149 (86.6) | 1043 (88.2) |
|  Missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **WOMEN** |  |  |  |  |  |  |  |  |
| **Recent partner** |  |  |  |  |  |  |  |  |
|  Yes | 223 (40.0) | 750 (40.5) | 141 (43.7) | 647 (46.3) | 253 (28.1) | 115 (40.5) | 106 (39.0) | 750 (40.5) |
|  No | 335 (60.0) | 1102 (59.5) | 182 (56.4) | 750 (53.7) | 649 (72.0) | 169 (59.5) | 166 (61.0) | 1102 (59.5) |
|  Missing | 7 | 46 | 6 | 27 | 38 | 4 | 3 | 46 |
| **Any condom use1** |  |  |  |  |  |  |  |  |
|  Yes | 113 (50.9) | 113 (15.2) | 97 (68.8) | 117 (18.2) | 31 (12.5) | 82 (71.3) | 29 (27.6) | 113 (15.2) |
|  No | 109 (49.1) | 629 (84.8) | 44 (31.2) | 525 (81.8) | 217 (87.5) | 33 (28.7) | 76 (72.4) | 629 (84.8) |
|  Missing | 1 | 8 |  | 5 | 5 | 0 | 1 | 8 |
| **Casual sex1** |  |  |  |  |  |  |  |  |
|  Yes | 53 (23.8) | 52 (7.0) | 41 (29.1) | 47 (7.3) | 27 (10.8) | 36 (31.3) | 17 (16.0) | 52 (7.0) |
|  No | 170 (76.2) | 695 (93.0) | 100 (70.9) | 599 (92.7) | 224 (89.2) | 79 (68.7) | 89 (84.0) | 695 (93.0) |
|  Missing | 0 | 3 | 0 | 1 | 2 | 0 | 0 | 3 |
| **Multiple partners1** |  |  |  |  |  |  |  |  |
|  Yes | 4 (1.8) | 6 (0.8) | 3 (2.1) | 7 (1.1) | 1 (0.4) |  3 (2.6) | 1 (0.9) | 6 (0.8) |
|  No | 219 (98.2) | 744 (99.2) | 138 (97.9) | 640 (98.9) | 252 (99.6) | 112 (97.4) | 105 (99.1) | 744 (99.2) |
|  Missing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1Among those who report at least one sex partner in the last 24 months (n=2765)