Supplemental

**Table 1.** Demographic and clinical characteristics and risk behaviors at screening by enrollment status. TDF2 clinical trial, Botswana 2007-2010.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | Total Screened(N=2532) | Screened and Not Enrolled(N=1331) | Screened and Enrolled(N=1201) | p-value |
| Age (in years) |  |  |  |  |
|  18-24 | 1450 (57.3) | 771 (58.0) | 679 (56.5) | 0.0002 |
|  25-29 | 905 (35.7) | 493 (37.0) | 412 (34.3) |  |
|  30-39 | 177 (7.0) | 67 (5.0) | 110 (9.2) |  |
| Gender  |  |  |  |  |
|  Female | 1191 (47.0) | 639 (48.0) | 552 (46.0) | 0.3027 |
|  Male | 1341 (53.0) | 692 (52.0) | 649 (54.0) |  |
| Education |  |  |  |  |
|  Primary or less | 106 (4.2) | 66 (5.0) | 40 (3.3) | 0.0006 |
|  Secondary (Jr/Sr) | 1904 (75.2) | 1026 (77.1) | 878 (73.1) |  |
|  Post-secondary | 522 (20.6) | 239 (18.0) | 283 (23.6) |  |
| Screening Site |  |  |  |  |
|  Gaborone | 1155 (45.6) | 515 (38.7) | 640 (53.3) | <0.0001 |
|  Francistown | 1377 (54.4) | 816 (61.3) | 561 (46.7) |  |
| Marital Status |  |  |  |  |
|  Married or Cohabitating | 143 (5.7) | 73 (5.5) | 70 (5.8) | 0.3647 |
|  Single | 2383 (94.1) | 1256 (94.4) | 1127 (93.8) |  |
|  Separated or Divorced | 5 (0.2) | 1 (0.1) | 4 (0.3) |  |
|  Missing | 1 (0.04) | 1 (0.1) | 0 (0.0) |  |
| Occupational Status |  |  |  |  |
|  Employed | 914 (36.1) | 441 (33.1) | 473 (39.4) | 0.0011 |
|  Unemployed | 1618 (63.9) | 890 (66.9) | 728 (60.6) |  |
| HIV Status |  |  |  |  |
|  Positive | 198 (7.8) | 198 (14.9) | 0 (0.0) | <0.0001 |
|  Negative | 1896 (74.9) | 695 (52.2) | 1201 (100.0) |  |
|  Not Indicated | 2 (0.1) | 2 (0.2) | 0 (0.0) |  |
|  Missing | 436 (17.2) | 436 (32.8) | 0 (0.0)  |  |
| Number of Lifetime Sexual Partners |  |  |  |  |
|  0-1 | 151 (6.0) | 103 (7.7) | 48 (4.0) | <0.0001 |
|  2+ | 2240 (88.5) | 1123 (84.4) | 1117 (93.0) |  |
|  Missing | 141 (5.6) | 105 (7.9) | 36 (3.0) |  |
| Number of Different Partners in Last 3 Months |  |  |  |  |
|  0 | 231 (9.1) | 231 (17.4) | 0 (0.0) | <0.000 |
|  1 | 1668 (65.9) | 819 (61.5) | 849 (70.7) |  |
|  2 | 422 (16.7) | 196 (14.7) | 226 (18.8) |  |
|  3+ | 205 (8.1) | 79 (5.9) | 126 (10.5) |  |
|  Missing | 6 (0.2) | 6 (0.5) | 0 (0.0 |  |
| Number of Times of Vaginal Sex with Different Partners in Last 3 Months |  |  |  |  |
|  0 | 233 (9.2) | 231 (17.4) | 2 (0.2) |  |
|  1 | 122 (4.8) | 64 (4.8) | 58 (4.8) |  |
|  2 | 184 (7.3) | 95 (7.1) | 89 (7.4) |  |
|  3+ | 1606 (63.4) | 718 (53.9) | 888 (73.9) |  |
|  Missing | 387 (15.3) | 223 (16.8) | 164 (13.7) | <0.0001 |
| Used Condoms with Different Partners in the Last 3 Months |  |  |  |  |
|  Yes | 2085 (82.4) | 987 (74.2) | 1098 (91.4) | <0.0001\*\* |
|  No | 207 (8.2) | 105 (7.9) | 102 (8.5) |  |
|  Missing | 240 (9.5) | 239 (18.0) | 1 (0.1) |  |

\*\*If Missing values are excluded from the Chi-Square Test, the p-value becomes 0.3521

**Table 2.** Univariable risk factor analysis for condomless sex acts in the past 30 days. TDF2 clinical trial, Botswana 2007-2010.

|  |  |  |
| --- | --- | --- |
| Characteristic | No condomless sex acts | ≥1 condomless sex acts |
| Odds Ratio | 95% CI | p-value | Rate Ratio | 95% CI | p-value |
| Time (per year) | 1.16 | 1.05, 1.28 | 0.0042 | 1.04 | 0.95, 1.14 | 0.3683 |
| Treatment |  |  |  |  |  |  |
|  TDF | 0.84 | 0.64, 1.11 | 0.2182 | 1.09 | 0.88, 1.34 | 0.4457 |
|  Placebo | REF |  |  | REF |  |  |
| Treatment Arm Perception |  |  |  |  |  |  |
|  TDF | 1.06 | 0.78, 1.44 | .7013 | 0.90 | 0.70, 1.17 | 0.4371 |
|  Not Sure | 1.00 | 0.77, 1.31 | .9685 | 0.86 | 0.69, 1.09 | 0.2167 |
|  Placebo | REF |  |  | REF |  |  |
| Age |  |  |  |  |  |  |
|  18-20 | REF |  |  | REF |  |  |
|  21-29 | 0.92 | 0.35, 2.46 | 0.8696 | 0.98 | 0.45, 2.12 | 0.9595 |
|  30+ | 0.72 | 0.25, 2.08 | 0.5387 | 1.57 | 0.68, 3.63 | 0.2873 |
| Gender |  |  |  |  |  |  |
|  Female | REF |  |  | REF |  |  |
|  Male | 1.08 | 0.82, 1.42 | .5916 | 1.17 | .95, 1.45 | 0.1471 |
| Education |  |  |  |  |  |  |
|  Primary or less | REF |  |  | REF |  |  |
|  Secondary | 1.31 | 0.62, 2.80 | 0.4785 | 0.95 | 0.53, 1.71 | 0.8664 |
|  Postsecondary | 0.81 | 0.37, 1.79 | 0.6041 | 1.24 | 0.68, 2.29 | 0.4837 |
| Site |  |  |  |  |  |  |
|  Francistown | REF |  |  | REF |  |  |
|  Gaborone | 1.04 | 0.79, 1.36 | 0.7965 | 1.03 | 0.83, 1.28 | 0.7876 |
| Marital Status |  |  |  |  |  |  |
|  Single | REF |  |  | REF |  |  |
|  Married | 0.70 | 0.39, 1.25 | 0.2238 | 1.26 | 0.82, 1.95 | 0.2890 |
| Occupational Status |  |  |  |  |  |  |
|  Employed | 1.06 | 0.80, 1.40 | 0.7011 | 1.04 | 0.84, 1.29 | 0.7202 |
|  Unemployed | REF |  |  | REF |  |  |
| Sexual Debut |  |  |  |  |  |  |
|  15 or less | 0.38 | .24, .61 | <.0001 | 1.58 | 1.09, 2.27 | .0153 |
|  16-17 | 0.48 | .32, .71 | 0.0003 | 1.65 | 1.21, 2.26 | .0018 |
|  18-19 | 0.71 | .49, 1.02 | .0621 | 1.27 | 0.95, 1.70 | .1102 |
|  20+ | REF |  |  | REF |  |  |
| HIV Status |  |  |  |  |  |  |
|  Positive | 0.80 | 0.36, 1.79 | 0.5852 | 0.60 | 0.32, 1.14 | 0.1175 |
|  Negative | REF |  |  | REF |  |  |
| STI |  |  |  |  |  |  |
|  Yes | 0.49 | 0.31, 0.76 | 0.0015 | 0.79 | 0.56, 1.13 | 0.1930 |
|  No | REF |  |  | REF |  |  |
| HSV-2 |  |  |  |  |  |  |
|  Yes | 0.80 | 0.60, 1.06 | 0.1228 | 1.30 | 1.05, 1.63 | 0.0178 |
|  No | REF |  |  | REF |  |  |

**Table 3.** Univariable risk factor analysis for number of sex partners in the past 30 days. TDF2 clinical trial, Botswana 2007-2010.

|  |  |  |
| --- | --- | --- |
| Characteristic | No sex partners | 1 or more sex partners |
| Odds Ratio | 95% CI | p-value | Rate Ratio | 95% CI | p-value |
| Time (per year) | 1.40 | 1.29, 1.53 | <.0001 | 0.75 | 0.70, 0.80 | <.0001 |
| Treatment |  |  |  |  |  |  |
|  TDF | 0.93 | 0.73, 1.19 | 0.5793 | 1.12 | 0.88, 1.43 | 0.3373 |
|  Placebo | REF |  |  | REF |  |  |
| Treatment Arm Perception |  |  |  |  |  |  |
|  TDF | 0.94 | 0.72, 1.24 | 0.6717 | 1.06 | 0.86, 1.3 | 0.5948 |
|  Not Sure | 0.94 | 0.74, 1.19 | 0.6017 | 1.07 | 0.89, 1.28 | 0.4894 |
|  Placebo | REF |  |  | REF |  |  |
| Age |  |  |  |  |  |  |
|  18-20 | REF |  |  | REF |  |  |
|  21-29 | 0.73 | 0.31, 1.67 | 0.4531 | 2.38 | 0.92, 6.14 | 0.0732 |
|  30+ | 0.54 | 0.21, 1.35 | 0.1874 | 1.61 | 0.58, 4.50 | 0.3641 |
| Gender |  |  |  |  |  |  |
|  Female | REF |  |  | REF |  |  |
|  Male | 1.36 | 1.07, 1.74 | 0.0126 | 3.73 | 2.93, 4.76 | <.0001 |
| Education |  |  |  |  |  |  |
|  Primary or less | REF |  |  | REF |  |  |
|  Secondary | 1.37 | 0.67, 2.79 | 0.3827 | 1.61 | 0.78, 3.31 | 0.1978 |
|  Postsecondary | 1.21 | 0.58, 2.54 | 0.6166 | 2.03 | 0.96, 4.29 | 0.0632 |
| Site |  |  |  |  |  |  |
|  Francistown | REF |  |  | REF |  |  |
|  Gaborone | 1.24 | 0.97, 1.58 | 0.0802 | 1.13 | 0.89, 1.43 | 0.3203 |
| Marital Status |  |  |  |  |  |  |
|  Single | REF |  |  |  |  |  |
|  Married | 0.30 | 0.17, 0.54 | <.0001 | 0.44 | 0.25, 0.77 | 0.0045 |
| Occupational Status |  |  |  |  |  |  |
|  Employed | 0.71 | 0.56, 0.91 | 0.0068 | 0.96 | 0.76, 1.23 | 0.7715 |
|  Unemployed | REF |  |  | REF |  |  |
| Sexual Debut |  |  |  |  |  |  |
|  15 or less | 0.99 | 0.66, 1.51 | 0.9771 | 3.37 | 2.30, 4.95 | <.0001 |
|  16-17 | 0.82 | 0.58, 1.16 | 0.2691 | 2.17 | 1.56, 3.03 | <.0001 |
|  18-19 | 0.79 | 0.58, 1.08 | 0.1387 | 1.13 | .83, 1.55 | 0.4256 |
|  20+ | REF |  |  | REF |  |  |
| HIV Status |  |  |  |  |  |  |
|  Positive | 1.18 | 0.58, 2.41 | 0.6526 | 0.58 | 0.27, 1.27 | 0.1728 |
|  Negative | REF |  |  | REF |  |  |
| STI |  |  |  |  |  |  |
|  Yes | 0.62 | 0.37, 1.04 | 0.0694 | 1.58 | 1.20, 2.08 | 0.0012 |
|  No | REF |  |  | REF |  |  |
| HSV-2 |  |  |  |  |  |  |
|  Yes | 0.54 | 0.42, 0.70 | <.0001 | 0.68 | 0.53, 0.88 | 0.0029 |
|  No | REF |  |  | REF |  |  |