| **Characteristic** | **N** | **Overall**, N = 1,6341 | **Negative**, N = 9831 | **Positive**, N = 6511 | **p-value**2 |
| --- | --- | --- | --- | --- | --- |
| Gender | 1,633 |  |  |  | <0.001 |
| cis-Female |  | 1,525 (100%) | 936 (61%) | 589 (39%) |  |
| trans-Female |  | 38 (100%) | 12 (32%) | 26 (68%) |  |
| cis-Male |  | 45 (100%) | 23 (51%) | 22 (49%) |  |
| trans-Male |  | 20 (100%) | 10 (50%) | 10 (50%) |  |
| Prefer not to answer |  | 5 (100%) | 1 (20%) | 4 (80%) |  |
| Unknown |  | 1 | 1 | 0 |  |
| Sex | 1,628 |  |  |  | 0.11 |
| FSW |  | 1,563 (100%) | 948 (61%) | 615 (39%) |  |
| MSM |  | 65 (100%) | 33 (51%) | 32 (49%) |  |
| Unknown |  | 6 | 2 | 4 |  |
| Age in years | 1,633 | 31 (25, 37) | 32 (26, 38) | 29 (25, 35) | <0.001 |
| Unknown |  | 1 | 1 | 0 |  |
| Age categories | 1,633 |  |  |  | <0.001 |
| <30 |  | 722 (100%) | 387 (54%) | 335 (46%) |  |
| 30+ |  | 911 (100%) | 595 (65%) | 316 (35%) |  |
| Unknown |  | 1 | 1 | 0 |  |
| HIV Status | 1,630 |  |  |  | <0.001 |
| Negative |  | 1,413 (100%) | 883 (62%) | 530 (38%) |  |
| Positive |  | 217 (100%) | 99 (46%) | 118 (54%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Martial Status | 1,575 |  |  |  | 0.4 |
| Single |  | 721 (100%) | 423 (59%) | 298 (41%) |  |
| Having partners |  | 726 (100%) | 448 (62%) | 278 (38%) |  |
| Married |  | 128 (100%) | 81 (63%) | 47 (37%) |  |
| Unknown |  | 59 | 31 | 28 |  |
| Education Level | 1,248 |  |  |  | 0.001 |
| No |  | 10 (100%) | 7 (70%) | 3 (30%) |  |
| Primary |  | 452 (100%) | 299 (66%) | 153 (34%) |  |
| Secondary |  | 596 (100%) | 336 (56%) | 260 (44%) |  |
| Vocational and above |  | 190 (100%) | 99 (52%) | 91 (48%) |  |
| Unknown |  | 386 | 242 | 144 |  |
| Country of origin | 1,563 |  |  |  | 0.7 |
| Kenya |  | 1,559 (100%) | 940 (60%) | 619 (40%) |  |
| Other |  | 4 (100%) | 2 (50%) | 2 (50%) |  |
| Unknown |  | 71 | 41 | 30 |  |
| Counties lived in past 2 years | 1,634 |  |  |  | 0.7 |
| 0 |  | 816 (100%) | 484 (59%) | 332 (41%) |  |
| 1 |  | 743 (100%) | 455 (61%) | 288 (39%) |  |
| 2+ |  | 75 (100%) | 44 (59%) | 31 (41%) |  |
| Own house in Nairobi | 1,536 | 36 (100%) | 16 (44%) | 20 (56%) | 0.049 |
| Unknown |  | 98 | 57 | 41 |  |
| Pay rent | 828 | 778 (100%) | 455 (58%) | 323 (42%) | 0.3 |
| Unknown |  | 806 | 495 | 311 |  |
| Income (KSH) | 1,510 | 10,000 (6,000, 16,000) | 10,000 (6,000, 15,000) | 10,000 (6,000, 18,500) | 0.13 |
| Unknown |  | 124 | 64 | 60 |  |
| Living with | 1,550 |  |  |  | 0.049 |
| Alone |  | 251 (100%) | 142 (57%) | 109 (43%) |  |
| family |  | 1,186 (100%) | 738 (62%) | 448 (38%) |  |
| friends |  | 34 (100%) | 14 (41%) | 20 (59%) |  |
| Sex Partners |  | 49 (100%) | 26 (53%) | 23 (47%) |  |
| Other |  | 30 (100%) | 18 (60%) | 12 (40%) |  |
| Unknown |  | 84 | 45 | 39 |  |
| Current Smoking | 1,461 | 161 (100%) | 105 (65%) | 56 (35%) | 0.2 |
| Unknown |  | 173 | 105 | 68 |  |
| Alcohol Use | 1,432 |  |  |  | 0.4 |
| Never |  | 405 (100%) | 236 (58%) | 169 (42%) |  |
| Monthly or less |  | 394 (100%) | 228 (58%) | 166 (42%) |  |
| weekly |  | 282 (100%) | 182 (65%) | 100 (35%) |  |
| 2-3 times per week |  | 277 (100%) | 169 (61%) | 108 (39%) |  |
| 4+ times per week |  | 74 (100%) | 45 (61%) | 29 (39%) |  |
| Unknown |  | 202 | 123 | 79 |  |
| Sex with alcohol use | 1,021 |  |  |  | 0.4 |
| Never |  | 324 (100%) | 184 (57%) | 140 (43%) |  |
| Sometimes |  | 624 (100%) | 388 (62%) | 236 (38%) |  |
| Often |  | 29 (100%) | 18 (62%) | 11 (38%) |  |
| Always |  | 44 (100%) | 28 (64%) | 16 (36%) |  |
| Unknown |  | 613 | 365 | 248 |  |
| Drug Use | 1,414 | 476 (100%) | 295 (62%) | 181 (38%) | 0.3 |
| Unknown |  | 220 | 135 | 85 |  |
| Hysterectomy | 1,334 | 12 (100%) | 6 (50%) | 6 (50%) | 0.6 |
| Unknown |  | 300 | 169 | 131 |  |
| Menopause | 1,303 | 19 (100%) | 11 (58%) | 8 (42%) | 0.8 |
| Unknown |  | 331 | 187 | 144 |  |
| Pregnancy | 1,277 | 29 (100%) | 16 (55%) | 13 (45%) | 0.5 |
| Unknown |  | 357 | 206 | 151 |  |
| Contraceptive use | 657 |  |  |  |  |
| None |  | 215 (100%) | 129 (60%) | 86 (40%) |  |
| Depo Provera Injection |  | 107 (100%) | 66 (62%) | 41 (38%) |  |
| Female Condom |  | 1 (100%) | 1 (100%) | 0 (0%) |  |
| Implant |  | 105 (100%) | 56 (53%) | 49 (47%) |  |
| IUD |  | 23 (100%) | 15 (65%) | 8 (35%) |  |
| Male Condom |  | 105 (100%) | 56 (53%) | 49 (47%) |  |
| Oral/Pills |  | 94 (100%) | 57 (61%) | 37 (39%) |  |
| Safe days |  | 5 (100%) | 2 (40%) | 3 (60%) |  |
| Tubal Ligation |  | 2 (100%) | 0 (0%) | 2 (100%) |  |
| Unknown |  | 977 | 601 | 376 |  |
| Ever tested for HPV | 1,548 | 385 (100%) | 257 (67%) | 128 (33%) | 0.005 |
| Unknown |  | 86 | 43 | 43 |  |
| Ever received HPV vaccine | 1,483 | 5 (100%) | 4 (80%) | 1 (20%) | 0.7 |
| Unknown |  | 151 | 77 | 74 |  |
| Ever tested for Anal cancer | 1,560 | 395 (100%) | 249 (63%) | 146 (37%) | 0.3 |
| Unknown |  | 74 | 36 | 38 |  |
|  | 429 |  |  |  | 0.6 |
| <1 year |  | 94 (100%) | 57 (61%) | 37 (39%) |  |
| 1-2 years |  | 118 (100%) | 71 (60%) | 47 (40%) |  |
| 3-5 years |  | 116 (100%) | 72 (62%) | 44 (38%) |  |
| >5 years |  | 101 (100%) | 69 (68%) | 32 (32%) |  |
| Unknown |  | 1,205 | 714 | 491 |  |
|  | 320 | 4 (100%) | 1 (25%) | 3 (75%) | 0.2 |
| Unknown |  | 1,314 | 783 | 531 |  |
| Condom use during last sex | 1,537 | 1,150 (100%) | 689 (60%) | 461 (40%) | 0.8 |
| Unknown |  | 97 | 59 | 38 |  |
| Access to condom | 1,506 | 272 (100%) | 151 (56%) | 121 (44%) | 0.079 |
| Unknown |  | 128 | 76 | 52 |  |
| Sexual Debut | 1,628 | 15 (9, 22) | 16 (10, 22) | 13 (8, 21) | <0.001 |
| Unknown |  | 6 | 2 | 4 |  |
| Year in sex work | 1,630 | 6 (3, 12) | 6 (3, 12) | 5 (3, 11) | 0.003 |
| Unknown |  | 4 | 1 | 3 |  |
| Num: casual partner | 1,630 |  |  |  | 0.13 |
| 0 |  | 732 (100%) | 429 (59%) | 303 (41%) |  |
| 1 |  | 275 (100%) | 174 (63%) | 101 (37%) |  |
| 2 |  | 288 (100%) | 187 (65%) | 101 (35%) |  |
| 3+ |  | 335 (100%) | 192 (57%) | 143 (43%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: repeated partner | 1,630 |  |  |  | 0.3 |
| 0 |  | 873 (100%) | 521 (60%) | 352 (40%) |  |
| 1 |  | 259 (100%) | 170 (66%) | 89 (34%) |  |
| 2 |  | 203 (100%) | 118 (58%) | 85 (42%) |  |
| 3+ |  | 295 (100%) | 173 (59%) | 122 (41%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: regular partner | 1,630 |  |  |  | 0.8 |
| 0 |  | 793 (100%) | 470 (59%) | 323 (41%) |  |
| 1 |  | 448 (100%) | 274 (61%) | 174 (39%) |  |
| 2 |  | 212 (100%) | 127 (60%) | 85 (40%) |  |
| 3+ |  | 177 (100%) | 111 (63%) | 66 (37%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: partner with unknown HIV status | 925 |  |  |  |  |
| 1 |  | 925 (100%) | 581 (63%) | 344 (37%) |  |
| Unknown |  | 709 | 402 | 307 |  |
| Num: casual partner with HIV status | 1,630 |  |  |  | 0.8 |
| 0 |  | 1,611 (100%) | 972 (60%) | 639 (40%) |  |
| 1 |  | 12 (100%) | 6 (50%) | 6 (50%) |  |
| 2 |  | 7 (100%) | 4 (57%) | 3 (43%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: repeated partner with HIV status | 1,630 |  |  |  | 0.7 |
| 0 |  | 1,607 (100%) | 969 (60%) | 638 (40%) |  |
| 1 |  | 14 (100%) | 8 (57%) | 6 (43%) |  |
| 2 |  | 4 (100%) | 3 (75%) | 1 (25%) |  |
| 3+ |  | 5 (100%) | 2 (40%) | 3 (60%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: regular partner with HIV status | 1,630 |  |  |  | 0.021 |
| 0 |  | 1,610 (100%) | 974 (60%) | 636 (40%) |  |
| 1 |  | 13 (100%) | 3 (23%) | 10 (77%) |  |
| 2 |  | 6 (100%) | 4 (67%) | 2 (33%) |  |
| 3+ |  | 1 (100%) | 1 (100%) | 0 (0%) |  |
| Unknown |  | 4 | 1 | 3 |  |
| Num: casual partner with drug use | 1,384 |  |  |  | 0.14 |
| 0 |  | 1,132 (100%) | 695 (61%) | 437 (39%) |  |
| 1 |  | 252 (100%) | 142 (56%) | 110 (44%) |  |
| Unknown |  | 250 | 146 | 104 |  |
| Num: repeated partner with drug use | 1,363 |  |  |  | 0.2 |
| 0 |  | 1,108 (100%) | 678 (61%) | 430 (39%) |  |
| 1 |  | 255 (100%) | 145 (57%) | 110 (43%) |  |
| Unknown |  | 271 | 160 | 111 |  |
| Num: regular partner with drug use | 1,327 |  |  |  | 0.2 |
| 0 |  | 1,122 (100%) | 694 (62%) | 428 (38%) |  |
| 1 |  | 205 (100%) | 117 (57%) | 88 (43%) |  |
| Unknown |  | 307 | 172 | 135 |  |
| Num: partner with drug use | 1,386 |  |  |  | 0.3 |
| 0 |  | 1,192 (100%) | 732 (61%) | 460 (39%) |  |
| 1 |  | 194 (100%) | 112 (58%) | 82 (42%) |  |
| Unknown |  | 248 | 139 | 109 |  |
| Douching | 1,508 | 532 (100%) | 318 (60%) | 214 (40%) | 0.7 |
| Unknown |  | 126 | 73 | 53 |  |
| Douching with | 518 |  |  |  | 0.9 |
| water |  | 68 (100%) | 40 (59%) | 28 (41%) |  |
| other |  | 450 (100%) | 269 (60%) | 181 (40%) |  |
| Unknown |  | 1,116 | 674 | 442 |  |
|  | 1,634 | 0 (0, 0) | 0 (0, 0) | 0 (0, 0) | <0.001 |
|  | 1,634 | 0 (0, 0) | 0 (0, 0) | 0 (0, 0) | <0.001 |
|  | 1,634 | 0 (0, 0) | 0 (0, 0) | 22 (0, 30) | <0.001 |
|  | 1,634 | 0 (0, 0) | 0 (0, 0) | 0 (0, 0) | <0.001 |
|  | 1,634 | 0 (0, 0) | 0 (0, 0) | 0 (0, 29) | <0.001 |
| 1n (%); Median (IQR) | | | | | |
| 2Fisher's exact test; Pearson's Chi-squared test; Wilcoxon rank sum test | | | | | |