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| **Appendix 1:**  **Demographic and Risk Behavior Characteristics of MSM Seen at San Francisco City Clinic (SFCC) between 9/1/2012 and 6/30/2016, Described by Case/Control Statusa** | | |
|  | **Cases**  **Number (Percent)** | **Controls**  **Number (Percent)** |
| **Total Number** | 161 | 477 |
| **Age distribution:**  16-25 years  26-35 years  36-45 years  46-55 years  >55 years | 47 (29.2) | 141 (29.6) |
| 60 (37.3) | 175 (36.7) |
| 31 (19.3) | 97 (20.3) |
| 18 (11.2) | 50 (10.5) |
| 5 (3.1) | 14 (2.9) |
| **Race distribution:**  African-American  Asian/Pacific Islander  Hispanic  White  Other | 23 (14.3) | 44 (9.2) |
| 18 (11.2) | 80 (16.8) |
| 49 (30.4) | 133 (27.9) |
| 70 (43.5) | 214 (44.9) |
| 1 (0.6) | 6 (1.3) |
| **Sexual orientation:**  Bisexual  Gay  Straight | 18 (11.2) | 68 (14.4) |
| 141 (87.6) | 383 (80.8) |
| 2 (1.2) | 23 (4.9) |
| **Sexually transmitted disease (STD)b prior to baseline:**  Yes  No | 84 (52.2) | 198 (41.5) |
| 77 (47.8) | 279 (58.5) |
| **STD during study interval:**  Yes  No | 106 (65.8) | 218 (45.7) |
| 55 (34.2) | 259 (54.3) |
| **Number of male partners in last 3 months:**  None  1-2 partners  3-7 partners  8-15 partners  >15 partners | 1 (0.6) | 12 (2.7) |
| 39 (25.0) | 156 (34.5) |
| 58 (37.2) | 196 (43.4) |
| 31 (19.9) | 56 (12.4) |
| 27 (17.3) | 32 (7.1) |
| **HIV positive partner(s):**  Yes  No | 53 (39.9) | 94 (23.6) |
| 80 (60.2) | 305 (76.4) |
| **Total # CRAIc partners in last 3 months:**  None  1-2 partners  3-10 partners | 53 (34.0) | 236 (53.5) |
| 68 (43.6) | 163 (37.0) |
| 35 (22.4) | 42 (9.5) |
| **Total # CIAId partners in last 3 months:**  None  1-2 partners  3-10 partners | 53 (34.4) | 207 (47.2) |
| 63 (40.9) | 188 (42.8) |
| 38 (24.7) | 44 (10.0) |
| **Any anal receptive sex in last 3 months:**  Yes  No | 132 (84.1) | 334 (74.7) |
| 25 (15.9) | 113 (25.3) |
| **Received money or drugs for sex in last 12 months:**  Yes  No | 14 (8.7) | 16 (3.4) |
| 147 (91.3) | 461 (96.7) |
| **Gave money or drugs for sex in last 12 months:**  Yes  No | 7 (4.4) | 15 (3.1) |
| 154 (95.7) | 462 (96.9) |
| **Methamphetamine use in last 12 months:**  Yes  No | 40 (24.8) | 27 (5.7) |
| 121 (75.2) | 450 (94.3) |
| **Intravenous Drug Use in last 12 months:**  Yes  No | 17 (10.6) | 7 (1.5) |
| 144 (89.4) | 470 (98.5) |
| **Ever took Pre-Exposure Prophylaxis (PrEP)** | 20 (12.4) | 117 (24.5) |
| **Took Post-Exposure Prophylaxis (PEP) Only** | 33 (20.5) | 65 (13.6) |
| **Took Neither PrEP nor PEP** | 108 (67.1) | 295 (61.8) |

aAll risk behavior characteristics are as reported during the first visit in the study interval, with the exception of “STDs during study interval,” which refers to diagnosed STDs occurring within the study dates.

bSTD = case of gonorrhea, chlamydia, or syphilis of any stage diagnosed either at SFCC or via San Francisco Department of Public Health STD surveillance

cCRAI = condomless receptive anal intercourse

dCIAI = condomless insertive anal intercourse

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| **Appendix 2: Odds of HIV seroconversion based on exposure to PrEP-only, PEP-only, both PrEP and PEP, or Neither at at San Francisco City Clinic (SFCC) between 9/1/2012 and 6/30/2016a** | | | |
| **Category (number of patients, percent of study population)** | **OR** | **Confidence Interval** | **P-Value** |
| PrEP Only (96, 15.1%) | 0.50 | 0.25-0.93 | 0.03 |
| PEP Only (98, 15.4%) | 1.35 | 0.82-2.17 | 0.25 |
| Both PrEP and PEP (41, 6.4%) | 0.38 | 0.11-1.02 | 0.05 |
| Neither PrEP nor PEP (403, 63%) | 1.00 | Referent |  |