Appendix Table 1: Unweighted characteristics of the PLWH and general population sample with known smoking status over all survey years from the Medical Monitoring Project (MMP) and HHS Household Health Survey (HHS) respectively.

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| Characteristic | PLWH MMPN =1,286n (%) | General HHSN =39,856 n (%) |
|  | NonsmokerN=682 (53.0) | SmokerN= 604 (47.0) | Non-smokerN = 32,672(82.0) | SmokerN = 7,184(18.0) |
| Age (years) |  |  |  |  |
|  18-29 | 76 (11.1) | 53 (8.8) | 2456 (7.5) | 690 (9.6) |
|  30-39 | 97 (14.2) | 84 (13.9) | 4028 (12.3) | 995 (13.9) |
|  40-49 | 179 (26.2) | 230 (38.1) | 6442 (19.7) | 1571 (21.9) |
|  >49 | 330 (48.4) | 237 (39.2) | 19436 (59.5) | 3879 (54.0) |
|  Unknown | 0 (0.0) | 0 (0.0) | 310 (0.9) | 49 (0.7) |
| Sex at birth |  |  |  |  |
|  Male  | 472 (69.2) | 396 (65.6) | 11557 (35.4) | 2674 (37.2) |
|  Female | 210 (30.8) | 206 (34.1) | 21115 (64.6) | 4510 (62.8) |
|  Other/Unknown  | 0 (0.0) | 2 (0.3) | 0 (0.0) | 0 (0.0) |
| Race/Ethnicity |  |  |  |  |
|  White Non-Hispanic | 137 (20.1) | 92 (15.2) | 22474 (68.8) | 4300 (59.9) |
|  Black Non-Hispanic  | 417 (61.1) | 414 (68.5) | 6633 (20.3) | 2109 (29.4) |
|  Hispanic  | 106 (15.5) | 77 (12.7) | 1604 (4.9) | 375 (5.2) |
|  Other/Unknown | 22 (3.2) | 21 (3.5) | 1961 (6.0) | 400 (5.6) |
| Education |  |  |  |  |
|  Less than High School | 141(20.7) | 205 (33.9) | 1887 (5.8) | 862 (12.0) |
|  High School/GED  | 226 (33.1) | 219 (36.3) | 8849 (27.1) | 2980 (41.5) |
|  More than High School | 315 (46.2) | 180 (29.8) | 21751 (66.6) | 3310 (46.1) |
|  Unknown | 0 (0.0) | 0 (0.0) | 185 (0.6) | 32 (0.4) |
| Poverty Level |  |  |  |  |
|  At or above federal | 370 (54.3) | 207 (34.3) | 30066 (92.0) | 5880 (81.8) |
|  Below federal  | 286 (41.9) | 385 (63.7) | 2595 (7.9) | 1302 (18.1) |
|  Unknown | 26 (3.8) | 12 (2.0) | 11 (0.0) | 2 (0.0) |
| Health Insurance Status  |  |  |  |  |
|  Not insured  | 42 (6.2) | 35 (5.8) | 1199 (3.7)  | 600 (8.4) |
|  Insured  | 639 (93.7) | 569 (94.2) | 30998 (94.9) | 6347 (88.3) |
|  Unknown | 1 (0.1) | 0 (0.0) | 475 (1.5) | 237 (3.3) |
| Mental Health Diagnosis  |  |  |  |  |
|  No  | 393 (57.6) | 246 (40.7) | 27919 (85.5) | 5130 (71.4) |
|  Yes  | 289 (42.4) | 358 (59.3) | 4624 (14.2) | 2030 (28.3) |
|  Unknown | 0 (0.0) | 0 (0.0) | 129 (0.4) | 24 (0.3) |

Appendix Table 2: Additional unweighted characteristics of people living with HIV infection with known smoking status over all survey years from the Medical Monitoring Project (MMP).

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| Characteristic | PLWH MMPUnweighted N =1,286n (%) |
|  | NonsmokerN=682 (53.0) | SmokerN= 604 (47.0) |
| Homeless  |  |  |
|  No | 646 (94.7) | 517 (85.6) |
|  Yes  | 36 (5.3) | 87 (14.4) |
| Jailed  |  |  |
|  No | 654 (95.9) | 551(91.2) |
|  Yes  | 28 (4.1) | 53 (8.8) |
| Alcohol abuse |  |  |
|  No | 274 (40.2) | 179 (29.6) |
|  Yes  | 408 (59.8) | 425 (70.4) |
| Substance or injection drug use  |  |  |
|  No | 655 (96.0) | 522 (86.4) |
|  Yes  | 27 (4.0) | 82 (13.6) |
| Transmission risk factor  |  |  |
|  MSM  | 212 (31.1) | 138 (22.8)  |
|  IDU | 106 (15.5)  | 168 (27.8) |
|  MSM and IDU | 23 (3.4) | 35 (5.8) |
|  Heterosexual contact  | 229 (33.6) | 159 (26.3) |
|  Other/Unknown  | 112 (16.4) | 104 (17.2) |
| Time since HIV diagnosis  |  |  |
|  < 5 years | 138 (20.2) | 125 (20.7) |
|  5-9 years  | 144 (21.1) | 115 (19.0) |
|  10+ years  | 400 (58.7) | 364 (60.3) |

Abbreviations: MSM, Men who have sex with men; IDU, Injection drug use

Appendix Table 3: Maximum likelihood coefficient estimates from covariate adjusted weighted logistic regression model on current smoking status using joint MMP and HHS populations. Reference levels for categorical covariates include age 18-29, male sex, non-Hispanic white race, less than high school education, at or above federal poverty level, no health insurance, and no mental health diagnosis. All covariates were significant in the model (Wald chi-squared tests; for categorical variables with 3 or more levels, the Wald test for the joint effect was used).

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| --- | --- | --- |
| Parameter | Coefficient Estimate β  | Standard Error |
| Intercept | 68.2160 | 13.6014 |
| Year | -0.0341 | 0.00677 |
| HIV+ MMP population | 0.3018 | 0.0381 |
| Age (30-39) | 0.1285 | 0.0357 |
| Age (40-49) | 0.0939 | 0.0352 |
| Age (>49) | -0.2644 | 0.0368 |
| Female sex | -0.1360 | 0.0167 |
| Non-Hispanic black  | 0.2971 | 0.0509 |
| Hispanic/Latino  | -0.3385 | 0.0887 |
| Other race/Unknown  | -0.0877 | 0.0739 |
| High school education/GED  | 0.2183 | 0.0306 |
| More than high school education | -0.5871 | 0.0401 |
| Below federal poverty level  | 0.2260 | 0.0234 |
| Health Insurance  | -0.2409 | 0.0396 |
| Mental Health Diagnosis | 0.4562 | 0.0205 |