**Supplemental Digital Content 1: Table**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***N*(%)** | | | | | | | | | | | |
|  |  | Opioids only (N = 4,728,081) | Opioids & Methamphetamine  (N = 464,951) | | Opioids &  Cocaine  (N = 2,666,971) | | | Opioids &  Alcohol (N = 1,915,751) | | Opioids & Benzodiazepines  (N = 683,340) | |
| Age |  |  |  | |  | | |  | |  | |
|  | 18-24 | 859,255 (18.1) | 92,841 (20.0) | | 355,693 (13.3) | | | 277,277 (14.5) | | 146,216 (21.4) | |
|  | 25-39 | 237,0343 (50.1) | 277,834 (59.8) | | 1,401,930 (52.6) | | | 953,809 (49.8) | | 385,260 (56.4) | |
|  | 40-54 | 124,6859 (26.4) | 83,081 (17.9) | | 813,689 (30.5) | | | 602,339 (31.4) | | 132,303 (19.4) | |
|  | 55+ | 251,624 (5.3) | 11,195 (2.4) | | 95,659 (3.6) | | | 82,326 (4.3) | | 19,561 (2.9) | |
| Race |  |  |  | |  | | |  | |  | |
|  | White, non-Hispanic | 2,789,199 (59.5) | 310,671 (67.2) | | 1,288,541 (48.6) | | | 1,073,406 (56.3) | | 526,452 (77.4) | |
|  | Black, non-Hispanic | 637,954 (13.6) | 12,071 (2.6) | | 671,445 (25.3) | | | 375,783 (19.7) | | 29,596 (4.4) | |
|  | Hispanic | 474,980 (10.1) | 71,014 (15.4) | | 215,708 (8.1) | | | 145,136 (7.6) | | 70,817 (10.4) | |
|  | Native American/Alaskan Native | 52,085 (1.1) | 15,775 (3.4) | | 22,798 (0.9) | | | 26,315 (1.4) | | 4,752 (0.7) | |
|  | Other | 731,556 (15.6) | 52,784 (11.4) | | 455,039 (17.2) | | | 286,051 (15.0) | | 48,635 (7.2) | |
| Education | |  |  | |  | | |  | |  | |
|  | Less than HS | 1,430,056 (31.0) | 139,554 (31.3) | | 944,446 (35.8) | | | 616,875 (32.7) | | 175,489 (26.2) | |
|  | High school complete | 2,183,389 (47.3) | 202,874 (45.4) | | 1,156,473 (43.9) | | | 839,802 (44.5) | | 304,984 (45.5) | |
|  | Some college or more | 1,000,079 (21.7) | 103,990 (23.4) | | 536,494 (20.3) | | | 432,349 (22.9) | | 189,449 (28.3) | |
| Employment | |  |  | |  | | |  | |  | |
|  | Employed | 1,006,775 (21.9) | 70,705 (15.7) | | 379,942 (14.5) | | | 331,292 (17.7) | | 99,922 (15.1) | |
| Living arrangement | |  |  | |  | | |  | |  | |
|  | Homeless | 439,895 (11.3) | 73,963 (19.2) | | 390,209 (17.4) | | | 285,084 (17.2) | | 94,345 (14.7) | |
| Census region | |  |  | |  | | |  | |  | |
|  | Northeast | 2,068,936 (43.8) | 43,276 (9.3) | | 1,484,694 (55.7) | | | 1,035,744 (54.1) | | 380,448 (55.7) | |
|  | Midwest | 647,147 (13.7) | 68,917 (14.8) | | 301,714 (11.3) | | | 266,749 (13.9) | | 83,435 (12.2) | |
|  | South | 950,539 (20.1) | 71,278 (15.3) | | 490,620 (18.4) | | | 318,931 (16.7) | | 176,810 (25.9) | |
|  | West | 1,061,459 (22.45) | 281,480 (60.1) | | 389,943 (14.6) | | | 294,327 (15.4) | | 42,647 (6.2) | |
|  |  |  |  | |  | | |  | |  | |
| Service setting | |  |  | |  | | |  | |  | |
|  | Detox | 1,817,501 (38.5) | 113,459 (24.4) | | 916,068 (34.4) | | | 707,404 (36.9) | | 285,356 (41.8) | |
|  | Residential | 539,540 (11.4) | 110,502 (23.7) | | 491,524 (18.4) | | | 351,315 (18.3) | | 138,902 (20.3) | |
|  | Ambulatory | 2,369,150 (50.1) | 240,843 (51.8) | | 1,258,759 (47.2) | | | 856,663 (44.7) | | 258,930 (37.9) | |
| Referral source | |  |  | |  | | |  | |  | |
|  | Criminal justice system | 566,368 (12.2) | 117,313 (26.4) | | 402,099 (15.4) | | | 317,898 (17.9) | | 82,592 (12.3)\*\* | |
| Arrests in last 30 days\* | | | |  | |  | | |  | |  | |
|  | One or more | 147,554 (6.4) | 36,220 (12.0) | | 78,797 (8.3) | | | 58,780 (8.3) | | 38,611 (9.1) | |
| Overlapping co-use | |  |  | |  | | |  | |  | |
|  | Opioid only | -- | -- | | -- | | | -- | | -- | |
|  | Meth | -- | -- | | 59,821 (2.2) | | | 52,422 (2.7) | | 22,460 (3.3) | |
|  | Cocaine | -- | 59,821 (12.9) | | -- | | | 648,613 (33.9) | | 129,719 (19.0) | |
|  | Alcohol | -- | 52,422 (11.3) | | 648,613 (24.3) | | | -- | | 105,902 (15.5) | |
|  | Benzodiazepines | -- | 22,460 (4.8) | | 129,719 (4.9) | | | 105,902 (5.5) | | -- | |
|  | | | | | | |  | | | | | |

Note: Cells are listed as *N*(%). Percentages are calculated by column. Differences between opioid only and opioid co-use categories are significant at *P* < .001 for each variable unless otherwise noted.

\*Variable first collected in 2008

\*\* *P* = .29