Appendix 1

Table 1

| Characteristic | Overall, N = 24,9091 | Fentanyl, N = 7,8271 | Heroin, N = 2,2551 | Prescription Opioids, N = 2,1251 | Methamphetamine, N = 8,8941 | Cocaine, N = 2,7951 | Benzodiazepines, N = 1,0131 | p-value2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age | 41 (31, 54) | 36 (28, 48) | 41 (30, 55) | 46 (32, 57) | 44 (34, 54) | 48 (33, 58) | 33 (25, 47) | <0.001 |
| Unknown | 1,107 | 438 | 30 | 30 | 439 | 123 | 47 |  |
| Age Group |  |  |  |  |  |  |  |  |
| 0 | 43 (0.2%) | 7 (<0.1%) | 1 (<0.1%) | 2 (<0.1%) | 29 (0.3%) | 3 (0.1%) | 1 (0.1%) |  |
| 1-9 years | 4 (<0.1%) | 3 (<0.1%) | 0 (0%) | 1 (<0.1%) | 0 (0%) | 0 (0%) | 0 (0%) |  |
| 10-19 years | 476 (2.0%) | 246 (3.3%) | 34 (1.5%) | 31 (1.5%) | 71 (0.8%) | 40 (1.5%) | 54 (5.6%) |  |
| 20-29 years | 4,650 (20%) | 1,850 (25%) | 477 (21%) | 375 (18%) | 1,164 (14%) | 451 (17%) | 333 (34%) |  |
| 30-39 years | 5,784 (24%) | 2,143 (29%) | 516 (23%) | 375 (18%) | 2,043 (24%) | 486 (18%) | 221 (23%) |  |
| 40-49 years | 4,905 (21%) | 1,452 (20%) | 415 (19%) | 431 (21%) | 2,018 (24%) | 443 (17%) | 146 (15%) |  |
| 50-59 years | 4,853 (20%) | 1,078 (15%) | 421 (19%) | 495 (24%) | 2,064 (24%) | 675 (25%) | 120 (12%) |  |
| 60-69 years | 2,763 (12%) | 546 (7.4%) | 320 (14%) | 327 (16%) | 973 (12%) | 524 (20%) | 73 (7.6%) |  |
| >70 years | 324 (1.4%) | 64 (0.9%) | 41 (1.8%) | 58 (2.8%) | 93 (1.1%) | 50 (1.9%) | 18 (1.9%) |  |
| Unknown | 1,107 | 438 | 30 | 30 | 439 | 123 | 47 |  |
| Race |  |  |  |  |  |  |  | <0.001 |
| WHITE | 10,564 (42%) | 3,070 (39%) | 1,224 (54%) | 1,268 (60%) | 3,652 (41%) | 777 (28%) | 573 (57%) |  |
| LATINE | 8,181 (33%) | 2,856 (36%) | 729 (32%) | 533 (25%) | 3,142 (35%) | 657 (24%) | 264 (26%) |  |
| BLACK | 4,730 (19%) | 1,438 (18%) | 196 (8.7%) | 222 (10%) | 1,576 (18%) | 1,192 (43%) | 106 (10%) |  |
| ASIAN | 640 (2.6%) | 196 (2.5%) | 31 (1.4%) | 41 (1.9%) | 252 (2.8%) | 89 (3.2%) | 31 (3.1%) |  |
| OTHER | 463 (1.9%) | 153 (2.0%) | 52 (2.3%) | 41 (1.9%) | 148 (1.7%) | 44 (1.6%) | 25 (2.5%) |  |
| UNKNOWN | 331 (1.3%) | 114 (1.5%) | 23 (1.0%) | 20 (0.9%) | 124 (1.4%) | 36 (1.3%) | 14 (1.4%) |  |
| Polysubstance | 16,325 (66%) | 5,430 (69%) | 1,769 (78%) | 1,390 (65%) | 4,991 (56%) | 1,833 (66%) | 912 (90%) | <0.001 |
| Number Substance |  |  |  |  |  |  |  |  |
| 1 | 8,584 (34%) | 2,397 (31%) | 486 (22%) | 735 (35%) | 3,903 (44%) | 962 (34%) | 101 (10.0%) |  |
| 2 | 11,750 (47%) | 4,327 (55%) | 1,043 (46%) | 884 (42%) | 3,798 (43%) | 1,167 (42%) | 531 (52%) |  |
| 3 | 3,999 (16%) | 979 (13%) | 641 (28%) | 428 (20%) | 1,071 (12%) | 580 (21%) | 300 (30%) |  |
| 4 | 536 (2.2%) | 116 (1.5%) | 79 (3.5%) | 72 (3.4%) | 115 (1.3%) | 80 (2.9%) | 74 (7.3%) |  |
| 5 | 40 (0.2%) | 8 (0.1%) | 6 (0.3%) | 6 (0.3%) | 7 (<0.1%) | 6 (0.2%) | 7 (0.7%) |  |
| Year |  |  |  |  |  |  |  | <0.001 |
| 2012 | 466 (1.9%) | 5 (<0.1%) | 124 (5.5%) | 159 (7.5%) | 111 (1.2%) | 62 (2.2%) | 5 (0.5%) |  |
| 2013 | 545 (2.2%) | 9 (0.1%) | 153 (6.8%) | 178 (8.4%) | 133 (1.5%) | 63 (2.3%) | 9 (0.9%) |  |
| 2014 | 594 (2.4%) | 12 (0.2%) | 128 (5.7%) | 184 (8.7%) | 172 (1.9%) | 75 (2.7%) | 23 (2.3%) |  |
| 2015 | 756 (3.0%) | 12 (0.2%) | 144 (6.4%) | 211 (9.9%) | 251 (2.8%) | 108 (3.9%) | 30 (3.0%) |  |
| 2016 | 889 (3.6%) | 58 (0.7%) | 162 (7.2%) | 198 (9.3%) | 317 (3.6%) | 112 (4.0%) | 42 (4.1%) |  |
| 2017 | 1,019 (4.1%) | 112 (1.4%) | 189 (8.4%) | 197 (9.3%) | 352 (4.0%) | 118 (4.2%) | 51 (5.0%) |  |
| 2018 | 1,345 (5.4%) | 217 (2.8%) | 210 (9.3%) | 212 (10.0%) | 490 (5.5%) | 175 (6.3%) | 41 (4.0%) |  |
| 2019 | 1,716 (6.9%) | 411 (5.3%) | 248 (11%) | 162 (7.6%) | 580 (6.5%) | 219 (7.8%) | 96 (9.5%) |  |
| 2020 | 3,197 (13%) | 1,077 (14%) | 310 (14%) | 180 (8.5%) | 1,125 (13%) | 340 (12%) | 165 (16%) |  |
| 2021 | 4,028 (16%) | 1,615 (21%) | 216 (9.6%) | 137 (6.4%) | 1,452 (16%) | 416 (15%) | 192 (19%) |  |
| 2022 | 4,440 (18%) | 1,825 (23%) | 190 (8.4%) | 144 (6.8%) | 1,653 (19%) | 458 (16%) | 170 (17%) |  |
| 2023 | 4,246 (17%) | 1,804 (23%) | 130 (5.8%) | 117 (5.5%) | 1,598 (18%) | 477 (17%) | 120 (12%) |  |
| 2024 | 1,668 (6.7%) | 670 (8.6%) | 51 (2.3%) | 46 (2.2%) | 660 (7.4%) | 172 (6.2%) | 69 (6.8%) |  |
| 1Median (IQR); n (%) | | | | | | | | |
| 2Kruskal-Wallis rank sum test; Pearson's Chi-squared test | | | | | | | | |

| Characteristic | Overall, N = 24,9091 | 2012, N = 4661 | 2013, N = 5451 | 2014, N = 5941 | 2015, N = 7561 | 2016, N = 8891 | 2017, N = 1,0191 | 2018, N = 1,3451 | 2019, N = 1,7161 | 2020, N = 3,1971 | 2021, N = 4,0281 | 2022, N = 4,4401 | 2023, N = 4,2461 | 2024, N = 1,6681 | p-value2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age | 41 (31, 54) | 45 (33, 54) | 45 (32, 54) | 46 (32, 56) | 44 (32, 54) | 42 (29, 54) | 42 (29, 55) | 43 (31, 54) | 39 (29, 52) | 39 (29, 52) | 40 (30, 53) | 42 (32, 54) | 41 (32, 54) | 43 (33, 53) | <0.001 |
| Unknown | 1,107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 100 | 1,000 |  |
| Age Group |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 43 (0.2%) | 4 (0.9%) | 2 (0.4%) | 2 (0.3%) | 4 (0.5%) | 8 (0.9%) | 2 (0.2%) | 6 (0.4%) | 0 (0%) | 5 (0.2%) | 1 (<0.1%) | 0 (0%) | 5 (0.1%) | 4 (0.6%) |  |
| 1-9 years | 4 (<0.1%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1 (0.1%) | 0 (0%) | 0 (0%) | 1 (<0.1%) | 0 (0%) | 1 (<0.1%) | 0 (0%) | 1 (<0.1%) | 0 (0%) |  |
| 10-19 years | 476 (2.0%) | 6 (1.3%) | 10 (1.8%) | 16 (2.7%) | 10 (1.3%) | 31 (3.5%) | 10 (1.0%) | 24 (1.8%) | 50 (2.9%) | 98 (3.1%) | 91 (2.3%) | 40 (0.9%) | 80 (1.9%) | 10 (1.5%) |  |
| 20-29 years | 4,650 (20%) | 77 (17%) | 103 (19%) | 93 (16%) | 142 (19%) | 196 (22%) | 246 (24%) | 274 (20%) | 398 (23%) | 750 (23%) | 842 (21%) | 790 (18%) | 664 (16%) | 75 (11%) |  |
| 30-39 years | 5,784 (24%) | 84 (18%) | 95 (17%) | 113 (19%) | 135 (18%) | 170 (19%) | 199 (20%) | 291 (22%) | 421 (25%) | 780 (24%) | 1,058 (26%) | 1,113 (25%) | 1,140 (27%) | 185 (28%) |  |
| 40-49 years | 4,905 (21%) | 120 (26%) | 122 (22%) | 134 (23%) | 188 (25%) | 158 (18%) | 201 (20%) | 287 (21%) | 311 (18%) | 593 (19%) | 747 (19%) | 974 (22%) | 874 (21%) | 196 (29%) |  |
| 50-59 years | 4,853 (20%) | 119 (26%) | 148 (27%) | 144 (24%) | 179 (24%) | 214 (24%) | 209 (21%) | 301 (22%) | 333 (19%) | 602 (19%) | 816 (20%) | 869 (20%) | 816 (20%) | 103 (15%) |  |
| 60-69 years | 2,763 (12%) | 53 (11%) | 56 (10%) | 78 (13%) | 87 (12%) | 97 (11%) | 135 (13%) | 150 (11%) | 181 (11%) | 325 (10%) | 416 (10%) | 604 (14%) | 497 (12%) | 84 (13%) |  |
| >70 years | 324 (1.4%) | 3 (0.6%) | 9 (1.7%) | 14 (2.4%) | 11 (1.5%) | 14 (1.6%) | 17 (1.7%) | 12 (0.9%) | 21 (1.2%) | 44 (1.4%) | 51 (1.3%) | 48 (1.1%) | 69 (1.7%) | 11 (1.6%) |  |
| Unknown | 1,107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 100 | 1,000 |  |
| Race |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <0.001 |
| WHITE | 10,564 (42%) | 247 (53%) | 307 (56%) | 332 (56%) | 410 (54%) | 493 (55%) | 519 (51%) | 680 (51%) | 818 (48%) | 1,313 (41%) | 1,686 (42%) | 1,661 (37%) | 1,503 (35%) | 595 (36%) |  |
| LATINE | 8,181 (33%) | 141 (30%) | 139 (26%) | 151 (25%) | 184 (24%) | 235 (26%) | 282 (28%) | 391 (29%) | 533 (31%) | 1,078 (34%) | 1,381 (34%) | 1,517 (34%) | 1,518 (36%) | 631 (38%) |  |
| BLACK | 4,730 (19%) | 57 (12%) | 66 (12%) | 76 (13%) | 112 (15%) | 112 (13%) | 152 (15%) | 202 (15%) | 284 (17%) | 612 (19%) | 757 (19%) | 974 (22%) | 980 (23%) | 346 (21%) |  |
| ASIAN | 640 (2.6%) | 10 (2.1%) | 17 (3.1%) | 16 (2.7%) | 22 (2.9%) | 23 (2.6%) | 30 (2.9%) | 41 (3.0%) | 37 (2.2%) | 88 (2.8%) | 85 (2.1%) | 122 (2.7%) | 115 (2.7%) | 34 (2.0%) |  |
| OTHER | 463 (1.9%) | 8 (1.7%) | 11 (2.0%) | 15 (2.5%) | 14 (1.9%) | 21 (2.4%) | 19 (1.9%) | 16 (1.2%) | 35 (2.0%) | 80 (2.5%) | 77 (1.9%) | 110 (2.5%) | 49 (1.2%) | 8 (0.5%) |  |
| UNKNOWN | 331 (1.3%) | 3 (0.6%) | 5 (0.9%) | 4 (0.7%) | 14 (1.9%) | 5 (0.6%) | 17 (1.7%) | 15 (1.1%) | 9 (0.5%) | 26 (0.8%) | 42 (1.0%) | 56 (1.3%) | 81 (1.9%) | 54 (3.2%) |  |
| Polysubstance | 16,325 (66%) | 221 (47%) | 266 (49%) | 303 (51%) | 335 (44%) | 464 (52%) | 536 (53%) | 769 (57%) | 1,038 (60%) | 2,129 (67%) | 2,854 (71%) | 3,132 (71%) | 3,092 (73%) | 1,186 (71%) | <0.001 |
| Number Substance |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 8,584 (34%) | 245 (53%) | 279 (51%) | 291 (49%) | 421 (56%) | 425 (48%) | 483 (47%) | 576 (43%) | 678 (40%) | 1,068 (33%) | 1,174 (29%) | 1,308 (29%) | 1,154 (27%) | 482 (29%) |  |
| 2 | 11,750 (47%) | 166 (36%) | 194 (36%) | 206 (35%) | 262 (35%) | 282 (32%) | 322 (32%) | 484 (36%) | 680 (40%) | 1,524 (48%) | 2,044 (51%) | 2,326 (52%) | 2,330 (55%) | 930 (56%) |  |
| 3 | 3,999 (16%) | 51 (11%) | 72 (13%) | 93 (16%) | 57 (7.5%) | 162 (18%) | 198 (19%) | 237 (18%) | 288 (17%) | 507 (16%) | 717 (18%) | 714 (16%) | 693 (16%) | 210 (13%) |  |
| 4 | 536 (2.2%) | 4 (0.9%) | 0 (0%) | 4 (0.7%) | 16 (2.1%) | 20 (2.2%) | 16 (1.6%) | 48 (3.6%) | 60 (3.5%) | 88 (2.8%) | 88 (2.2%) | 92 (2.1%) | 64 (1.5%) | 36 (2.2%) |  |
| 5 | 40 (0.2%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 10 (0.6%) | 10 (0.3%) | 5 (0.1%) | 0 (0%) | 5 (0.1%) | 10 (0.6%) |  |
| Substance |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <0.001 |
| Fentanyl | 7,827 (31%) | 5 (1.1%) | 9 (1.7%) | 12 (2.0%) | 12 (1.6%) | 58 (6.5%) | 112 (11%) | 217 (16%) | 411 (24%) | 1,077 (34%) | 1,615 (40%) | 1,825 (41%) | 1,804 (42%) | 670 (40%) |  |
| Heroin | 2,255 (9.1%) | 124 (27%) | 153 (28%) | 128 (22%) | 144 (19%) | 162 (18%) | 189 (19%) | 210 (16%) | 248 (14%) | 310 (9.7%) | 216 (5.4%) | 190 (4.3%) | 130 (3.1%) | 51 (3.1%) |  |
| Prescription Opioids | 2,125 (8.5%) | 159 (34%) | 178 (33%) | 184 (31%) | 211 (28%) | 198 (22%) | 197 (19%) | 212 (16%) | 162 (9.4%) | 180 (5.6%) | 137 (3.4%) | 144 (3.2%) | 117 (2.8%) | 46 (2.8%) |  |
| Methamphetamine | 8,894 (36%) | 111 (24%) | 133 (24%) | 172 (29%) | 251 (33%) | 317 (36%) | 352 (35%) | 490 (36%) | 580 (34%) | 1,125 (35%) | 1,452 (36%) | 1,653 (37%) | 1,598 (38%) | 660 (40%) |  |
| Cocaine | 2,795 (11%) | 62 (13%) | 63 (12%) | 75 (13%) | 108 (14%) | 112 (13%) | 118 (12%) | 175 (13%) | 219 (13%) | 340 (11%) | 416 (10%) | 458 (10%) | 477 (11%) | 172 (10%) |  |
| Benzodiazepines | 1,013 (4.1%) | 5 (1.1%) | 9 (1.7%) | 23 (3.9%) | 30 (4.0%) | 42 (4.7%) | 51 (5.0%) | 41 (3.0%) | 96 (5.6%) | 165 (5.2%) | 192 (4.8%) | 170 (3.8%) | 120 (2.8%) | 69 (4.1%) |  |
| 1Median (IQR); n (%) | | | | | | | | | | | | | | | |
| 2Kruskal-Wallis rank sum test; Pearson's Chi-squared test | | | | | | | | | | | | | | | |