

**Table 1 : Number and Percentage of Different Drugs Involved in Unintentional Drug Overdose Deaths, Connecticut, 2012-2021**

|   | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Change in value<br>2019-2021 | % Diff. 2019-2021 | Change in value<br>2020-2021 | % Diff. 2020-2021 |
|---|------|------|------|------|------|------|------|------|------|------|------------------------------|-------------------|------------------------------|-------------------|
| Accidental Intoxication Deaths* TOTAL       | 357  | 495  | 568  | 729  | 917  | 1038 | 1017 | 1200 | 1374 | 1524 | 324                          | 27.0              | 150                          | 10.9              |
| <b>OPIOIDS</b>                              |      |      |      |      |      |      |      |      |      |      |                              |                   |                              |                   |
| -Any opioid in any death**                  | 298  | 419  | 513  | 663  | 861  | 961  | 948  | 1127 | 1273 | 1413 | 286                          | 25.4              | 140                          | 11.0              |
| % Intoxication deaths with an opioid        | 83%  | 85%  | 90%  | 91%  | 94%  | 93%  | 93%  | 94%  | 93%  | 93%  |                              |                   |                              |                   |
| -Fentanyl in any death                      | 14   | 37   | 75   | 189  | 483  | 677  | 760  | 979  | 1159 | 1312 | 333                          | 34.0              | 153                          | 13.2              |
| % intoxication deaths with fentanyl         | 4%   | 8%   | 13%  | 26%  | 53%  | 65%  | 75%  | 82%  | 84%  | 86%  |                              |                   |                              |                   |
| -Fentanyl + Cocaine                         | 2    | 16   | 14   | 42   | 143  | 220  | 270  | 393  | 447  | 561  | 168                          | 42.7              | 114                          | 25.5              |
| -Fentanyl + Heroin                          | 1    | 9    | 37   | 110  | 279  | 333  | 303  | 339  | 243  | 153  | -186                         | -54.9             | -90                          | -37.0             |
| -Fentanyl/Opioid Analogues***               | ND   | ND   | ND   | 13   | 70   | 142  | 254  | 146  | 58   | 131  | -15                          | -10.3             | 73                           | 125.9             |
| -Heroin, Morphine and/or Codeine            | 195  | 286  | 349  | 446  | 541  | 498  | 407  | 400  | 274  | 176  | -224                         | -56.0             | -98                          | -35.8             |
| -Heroin in any death                        | 174  | 258  | 327  | 417  | 508  | 474  | 391  | 387  | 262  | 165  | -222                         | -57.4             | -97                          | -37.0             |
| % intoxication with heroin                  | 49%  | 52%  | 58%  | 57%  | 55%  | 46%  | 38%  | 32%  | 19%  | 11%  |                              |                   |                              |                   |
| -Heroin + Fentanyl                          | 1    | 9    | 37   | 110  | 279  | 333  | 303  | 339  | 243  | 153  | -186                         | -54.9             | -90                          | -37.0             |
| -Heroin + Cocaine                           | 50   | 69   | 73   | 107  | 153  | 169  | 134  | 143  | 100  | 58   | -85                          | -59.4             | -42                          | -42.0             |
| -Morphine/Opioid/Codeine NOS                | 21   | 28   | 22   | 29   | 33   | 24   | 16   | 13   | 12   | 11   | -2                           | -15.4             | -1                           | -8.3              |
| -Methadone in any death                     | 33   | 48   | 51   | 71   | 84   | 99   | 88   | 92   | 120  | 128  | 36                           | 39.1              | 8                            | 6.7               |
| -Oxycodone in any Death                     | 71   | 75   | 107  | 95   | 110  | 95   | 62   | 92   | 95   | 83   | -9                           | -9.8              | -12                          | -12.6             |
| % intoxication with Oxycodone               | 20%  | 15%  | 19%  | 13%  | 12%  | 9%   | 6%   | 8%   | 7%   | 5%   |                              |                   | 0                            | -27.5             |
| -Hydrocodone in any death                   | 15   | 19   | 15   | 20   | 20   | 15   | 14   | 14   | 13   | 10   | -4                           | -28.6             | -3                           | -23.1             |
| -Hydromorphone in any death                 | 1    | 0    | 12   | 17   | 22   | 16   | 9    | 14   | 12   | 5    | -9                           | -64.3             | -7                           | -58.3             |
| - Any Opioid + Benzodiazepine               | 41   | 60   | 140  | 221  | 232  | 313  | 249  | 269  | 286  | 275  | 6                            | 2.2               | -11                          | -3.8              |
| % intoxication with opioid + benzodiazepine | 11%  | 12%  | 25%  | 30%  | 25%  | 30%  | 25%  | 22%  | 21%  | 18%  |                              |                   |                              |                   |
| Buprenorphine                               | ND   | ND   | 5    | 13   | 25   | 19   | 24   | 35   | 51   | 34   | -1                           | -2.9              | -17                          | -33.3             |
| <b>STIMULANTS</b>                           |      |      |      |      |      |      |      |      |      |      |                              |                   |                              |                   |
| -Cocaine in any death                       | 105  | 147  | 126  | 177  | 274  | 347  | 345  | 463  | 529  | 656  | 193                          | 41.7              | 127                          | 24.0              |
| % intoxication with cocaine                 | 29%  | 30%  | 22%  | 24%  | 30%  | 33%  | 34%  | 39%  | 39%  | 43%  |                              |                   |                              |                   |
| -Amphetamine/Methamphetamine                | 7    | 5    | 11   | 20   | 19   | 37   | 56   | 70   | 95   | 87   | 17                           | 24.3              | -8                           | -8.4              |
| -MDMA (Ecstasy)                             | 0    | 0    | 2    | 1    | 1    | 3    | 4    | 4    | 3    | 1    | -3                           | -75.0             | -2                           | -66.7             |
| <b>OTHER EMERGING DRUGS</b>                 |      |      |      |      |      |      |      |      |      |      |                              |                   |                              |                   |
| Xylazine (veterinary tranquilizer)****      | ND   | ND   | ND   | ND   | ND   | ND   | ND   | 71   | 140  | 301  | 230                          | 323.9             | 161                          | 115.0             |
| % intoxications with Xylazine               |      |      |      |      |      |      |      | 6%   | 10%  | 20%  |                              |                   |                              |                   |

Data Source: Office of the Chief Medical Examiner

\* Total number of Accidental Intoxication Deaths and pure ethanol intoxications are not included.

\*\* Any opioid included: Heroin, Fentanyl, Fentanyl analogues, Hydrocodone, Methadone, Oxycodone, and Morphine.

\*\*\* Include Acetyl Fentanyl, Furanyl Fentanyl, Carfentanil, Fluorobutryl Fentanyl, Butyryl Fentanyl, Methoxyacetyl Fentanyl, Para-Fluorofentanyl, and U47700.

\*\*\*\* Xylazine, a veterinary tranquilizer, was a new substance seen since 2019.

Note: 1) % difference is calculated between the years with specific substance and % difference in red color indicates increase and in green color indicates decrease.

2) ND: Not Detected.

Data updated on 6/15/2022



**Table 2: Percentage and Rate Ratio of Different Drugs Involved in Unintentional Drug Overdose Deaths, Connecticut, 2012-2021**

|  | 2012       | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Rate Ratio 2019-2021 | Rate Ratio 2020-2021 |
|--|------------|------|------|------|------|------|------|------|------|------|----------------------|----------------------|
| Accidental Intoxication Deaths* TOTAL  | 357        | 495  | 568  | 729  | 917  | 1038 | 1017 | 1200 | 1374 | 1524 |                      |                      |
| OPIOIDS                                | % of Total |      |      |      |      |      |      |      |      |      |                      |                      |
| -Any opioid* in any death**            | 298        | 419  | 513  | 91.4 | 93.2 | 92.6 | 93.2 | 93.9 | 92.6 | 92.7 | -1.2                 | 0.1                  |
| -Fentanyl in any death                 | 3.9        | 7.5  | 13.2 | 25.9 | 52.7 | 65.2 | 74.7 | 81.6 | 84.4 | 86.1 | 4.5                  | 1.7                  |
| -Fentanyl + Cocaine                    | 0.6        | 3.2  | 2.5  | 5.8  | 15.6 | 21.2 | 26.5 | 32.8 | 32.5 | 36.8 | 4.1                  | 4.3                  |
| -Fentanyl + Heroin                     | 0.3        | 1.8  | 6.5  | 15.1 | 30.4 | 32.1 | 29.8 | 28.3 | 17.7 | 10.0 | -18.3                | -7.7                 |
| -Fentanyl/Opioid Analogues**           | ND         | ND   | ND   | 1.8  | 7.6  | 13.7 | 25.0 | 12.2 | 4.2  | 8.6  | -3.6                 | 4.4                  |
| -Heroin, Morphine and/or Codeine       | 54.6       | 57.8 | 61.4 | 61.2 | 59.0 | 48.0 | 40.0 | 33.3 | 19.9 | 11.5 | -21.8                | -8.4                 |
| -Heroin in any death                   | 48.7       | 52.1 | 57.6 | 57.2 | 55.4 | 45.7 | 38.4 | 32.3 | 19.1 | 10.8 | -21.5                | -8.3                 |
| -Heroin + Fentanyl                     | 0.3        | 1.8  | 6.5  | 15.1 | 30.4 | 32.1 | 29.8 | 28.3 | 17.7 | 10.0 | -18.3                | -7.7                 |
| -Heroin + Cocaine                      | 14.0       | 13.9 | 12.9 | 14.7 | 16.7 | 16.3 | 13.2 | 11.9 | 7.3  | 3.8  | -8.1                 | -3.5                 |
| -Morphine/Opioid/Codeine NOS           | 5.9        | 5.7  | 3.9  | 4.0  | 3.6  | 2.3  | 1.6  | 1.1  | 0.9  | 0.7  | -0.4                 | -0.2                 |
| -Oxycodone in any Death                | 19.9       | 15.2 | 18.8 | 13.0 | 12.0 | 9.2  | 6.1  | 7.7  | 6.9  | 5.4  | -2.3                 | -1.5                 |
| -Methadone in any death                | 9.2        | 9.7  | 9.0  | 9.7  | 9.2  | 9.5  | 8.7  | 7.7  | 8.7  | 8.4  | 0.7                  | -0.3                 |
| -Hydrocodone in any death              | 4.2        | 3.8  | 2.6  | 2.7  | 2.2  | 1.4  | 1.4  | 1.2  | 0.9  | 0.7  | -0.5                 | -0.2                 |
| -Hydromorphone in any death            | 0.3        | 0.0  | 2.1  | 2.3  | 2.4  | 1.5  | 1.4  | 1.2  | 0.9  | 0.3  | -0.9                 | -0.6                 |
| -Any Opioid + Benzodiazepine           | 11.5       | 12.1 | 24.6 | 30.3 | 25.3 | 30.2 | 24.5 | 22.4 | 20.8 | 18.0 | -4.4                 | -2.8                 |
| Buprenorphine                          | ND         | ND   | 0.9  | 1.8  | 2.7  | 1.8  | 2.4  | 2.9  | 3.7  | 2.2  | -0.7                 | -1.5                 |
| STIMULANTS                             |            |      |      |      |      |      |      |      |      |      |                      |                      |
| -Cocaine in any death                  | 29.4       | 29.7 | 22.2 | 24.3 | 29.9 | 33.4 | 33.9 | 38.6 | 38.5 | 43.0 | 4.4                  | 4.5                  |
| -Amphetamine/Methamphetamine           | 2.0        | 1.0  | 1.9  | 2.7  | 2.1  | 3.6  | 5.5  | 5.8  | 6.9  | 5.7  | -0.1                 | -1.2                 |
| -MDMA (Ecstasy)                        | 0.0        | 0.0  | 0.4  | 0.1  | 0.1  | 0.3  | 0.4  | 0.3  | 0.2  | 0.1  | -0.2                 | -0.1                 |
| OTHER EMERGING DRUGS                   |            |      |      |      |      |      |      |      |      |      |                      |                      |
| Xylazine (veterinary tranquilizer)**** | ND         | ND   | ND   | ND   | ND   | ND   | ND   | 5.8  | 10.2 | 19.8 | 10.2                 | 9.6                  |

**Data Source: Office of the Chief Medical Examiner**

\*Total number of Accidental Intoxication Deaths and pure ethanol intoxications are not included.

\*\* Any opioid included: Heroin, Fentanyl, Fentanyl analogues, Hydrocodone, Methadone, Oxycodone, and Morphine.

\*\*\* Include Acetyl Fentanyl, Furanyl Fentanyl, Carfentanil, Fluorobutryl Fentanyl, Butyryl Fentanyl, Methoxyacetyl Fentanyl, Para-Fluorofentanyl, and U47700.

\*\*\*\* Xylazine, a veterinary tranquilizer, was a new substance seen since 2019.

**Note:** 1) Table 2 represents the percentages of different substances involved, calculated based on the total number of deaths for that year .

2) Rate ratio is calculated based on the percent difference between the years.

3) Rate ratio in red color indicates increase and in green color indicates decrease.

4) ND: Not Detected.

Data updated on 6/15/2022

