

# Drugs Identified in Deceased Persons by Florida Medical Examiners



2019 Annual Report

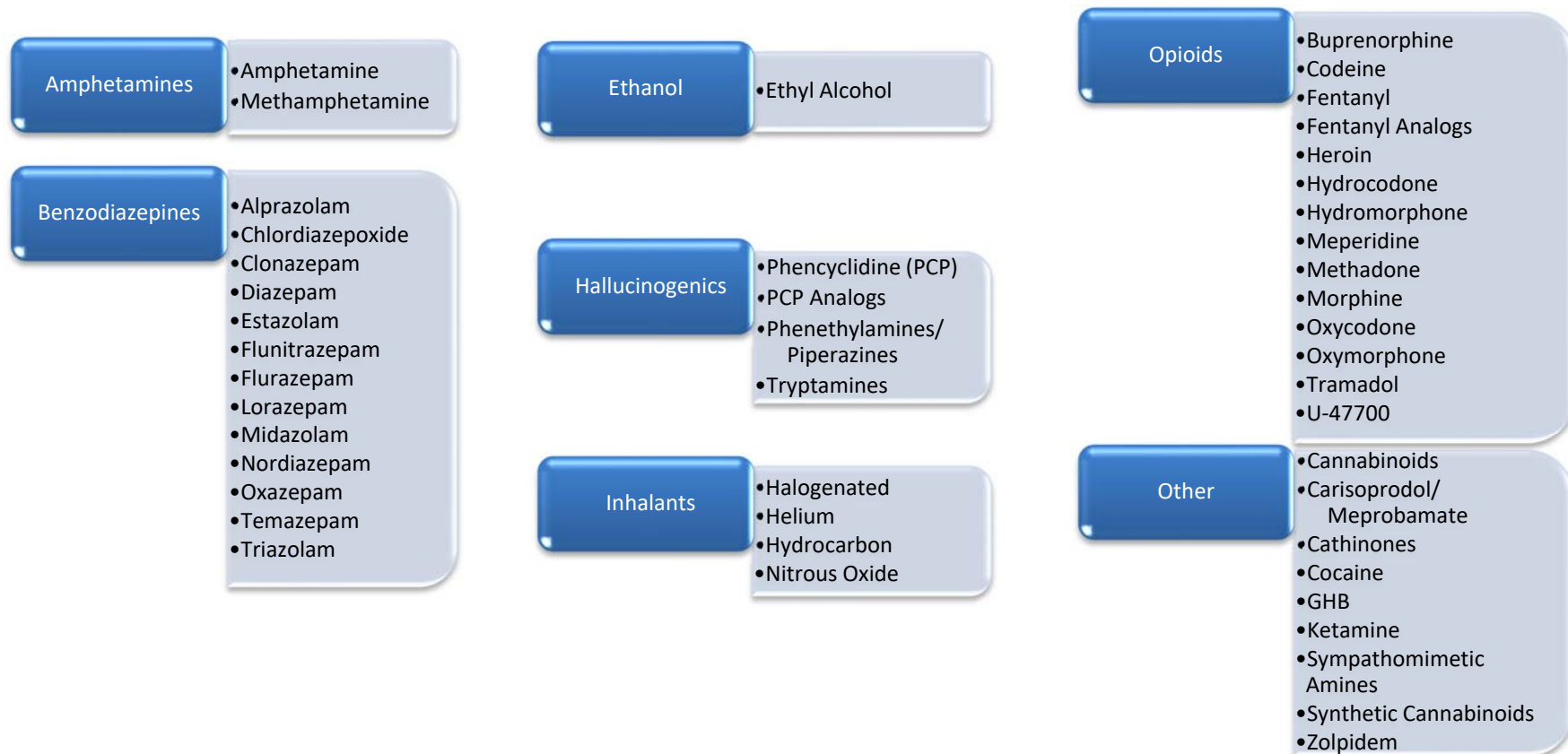
## Data Collection

The State of Florida's Bureau of Vital Statistics reported 209,729 deaths in Florida during 2019. Of the 28,853 deaths investigated by Florida's medical examiners, toxicology results determined that the drugs listed below were present at the time of death in 12,574 deaths. The medical examiners assessed whether the drug(s) identified was the cause of death or merely present at the time of death. The data were then submitted to the Medical Examiners Commission (MEC) for presentation in this report. It is important to note that each death is a single case, while each time a drug is detected represents an occurrence. The vast majority of the 12,574 deaths had more than one drug occurrence.

When reporting the data, Florida's medical examiners were asked to distinguish between the drugs determined to be the cause of death and those drugs that were present in the body at the time of death. A drug is indicated as the cause of death only when, after examining all evidence, the autopsy, and toxicology results, the medical examiner determines the drug played a causal role in the death. It is not uncommon for a decedent to have multiple drugs listed as a cause of death. However, a drug may not have played a causal role in the death even when the medical examiner determines the drug is present or identifiable in the decedent. Therefore, a decedent often is found to have multiple drugs listed as present; these are drug occurrences and are not equivalent to deaths.

The MEC would like to acknowledge with much appreciation the crucial role of the members of the Quality Assurance Committee.

Data were collected on the following drugs:



## Highlights

All comparisons are made to 2018 calendar year data unless otherwise noted.

- ✓ Total drug-related deaths increased by 4 percent (494 more).
- ✓ 6,128 opioid-related deaths were reported, which is a 10 percent increase (552 more). The opioids were identified as either the cause of death or merely present in the decedent.
- ✓ 4,294 opioid-caused deaths were reported, which is a 15 percent increase (567 more).
- ✓ 7,142 (7 percent more) individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent. These drugs may have also been mixed with illicit drugs and/or alcohol.
- ✓ 4,317 (17 percent more) individuals died with at least one prescription drug in their system that was identified as the cause of death. These drugs may have been mixed with other prescription drugs, illicit drugs and/or alcohol.
- ✓ Prescription drugs (benzodiazepines, carisoprodol/meprobamate, zolpidem and all opioids excluding heroin, fentanyl analogs and U-47700) continued to be found more often than illicit drugs, both as the cause of death and present at death. Prescription drugs account for 55.7 percent of all drug occurrences in this report when ethyl alcohol is excluded. Fentanyl is a prescription drug that is also produced illicitly, and currently many fentanyl occurrences represent the ingestion of illicit fentanyl rather than pharmaceutically manufactured fentanyl.
- ✓ The most frequently occurring drugs found in decedents were ethyl alcohol (5,385), benzodiazepines (4,209, including 1,523 alprazolam occurrences), fentanyl (3,655), cocaine (2,962), cannabinoids (2,710), morphine (1,855), amphetamine (1,425), methamphetamine (1,419), fentanyl analogs (1,418) and oxycodone (1,181). Since heroin is rapidly metabolized to morphine, this may lead to a substantial over-reporting of morphine-related deaths as well as significant under-reporting of heroin-related deaths.
- ✓ The drugs that caused the most deaths were fentanyl (3,244), cocaine (1,843), benzodiazepines (1,074, including 614 alprazolam deaths), ethyl alcohol (989), morphine (984), fentanyl analogs (922), methamphetamine (896) and heroin (809). Fentanyl (89 percent), heroin (85 percent), fentanyl analogs (65 percent), methamphetamine (63 percent), cocaine (62 percent), methadone (55 percent) and morphine (53 percent) were listed as causing death in more than 50 percent of the deaths in which these drugs were found.
- ✓ Occurrences of heroin increased by 1.5 percent (14 more) and deaths caused by heroin increased by 0.4 percent (3 more).
- ✓ Occurrences of fentanyl increased by 35 percent (952 more) and deaths caused by fentanyl increased by 38 percent (896 more).
- ✓ Occurrences of fentanyl analogs increased by 35 percent (366 more) and deaths caused by fentanyl analogs increased by 5.5 percent (48 more).
- ✓ Occurrences of methadone decreased by 21 percent (83 less) and deaths caused by methadone decreased by 24 percent (54 less).
- ✓ Occurrences of hydrocodone decreased by 6 percent (35 less) and deaths caused by hydrocodone decreased by 2 percent (3 less).

## Highlights (continued)

- ✓ Occurrences of oxycodone remained the same with 1, 181 and deaths caused by oxycodone decreased by 5 percent (25 less).
- ✓ Occurrences of buprenorphine increased by 18 percent (32 more) and deaths caused by buprenorphine increased by 46 percent (16 more).
- ✓ Occurrences of cocaine increased by 4 percent (106 more) and deaths caused by cocaine increased by 12 percent (199 more).
- ✓ Alprazolam (Xanax), nordiazepam and clonazepam dominate the category of benzodiazepines. Occurrences of alprazolam decreased by 8 percent, nordiazepam decreased by 4 percent, and clonazepam decreased by 4 percent. Alprazolam, nordiazepam and clonazepam are rarely the sole cause of death, but are common as contributing to the cause of multi-drug deaths. Note that since the drugs diazepam and chlordiazepoxide (Librium) are normally broken down in the body into the drug nordiazepam, many occurrences of nordiazepam may represent ingestion of these other benzodiazepines.
- ✓ Occurrences of methamphetamine increased by 34 percent (363 more) and deaths caused by methamphetamine increased by 45 percent (277 more). Occurrences of amphetamine increased by 29 percent (322 more) and deaths caused by amphetamine increased by 38 percent (132 more). In the body, methamphetamine is metabolized to amphetamine, thus many occurrences of amphetamine likely represent illicit methamphetamine ingestion rather than pharmaceutical amphetamine use.
- ✓ Occurrences of cathinones decreased by 35 percent (84 less) and deaths caused by cathinones decreased by 48 percent (73 less). The majority of the cathinones reported were eutylone.
- ✓ Occurrences of synthetic cannabinoids decreased by 47 percent (45 less) and deaths caused by synthetic cannabinoids decreased by 59 percent (51 less). The majority of the synthetic cannabinoids reported were 5-fluoro-MDMB-Pica.
- ✓ Reporting of mitragynine was not specifically requested by the Commission in 2019; however, many districts voluntarily reported deaths with mitragynine. A total of 82 occurrences of mitragynine were reported for January – December 2019. Due to reporting deadlines, reporting of mitragynine by all districts will begin with the 2020 Drugs Identified in Deceased Persons reports.

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# Coverage Map

## Florida Medical Examiner Districts

### District 1

Escambia  
Okaloosa  
Santa Rosa  
Walton

### District 2

Franklin  
Gadsden  
Jefferson  
Leon  
Liberty  
Taylor  
Wakulla

### District 3 \*Covered by

Columbia \*4  
Dixie \*8  
Hamilton \*4  
Lafayette \*2  
Madison \*2  
Suwannee \*2

### District 4

Clay  
Duval  
Nassau

### District 5

Citrus  
Hernando  
Lake  
Marion  
Sumter

### District 6

Pasco  
Pinellas

### District 7

Volusia

### District 8

Alachua  
Baker  
Bradford  
Gilchrist  
Levy  
Union

### District 9

Orange

### District 10

Hardee  
Highlands  
Polk

### District 11

Miami-Dade

### District 12

DeSoto  
Manatee  
Sarasota

### District 13

Hillsborough

### District 14

Bay  
Calhoun  
Gulf  
Holmes  
Jackson  
Washington

### District 15

Palm Beach

### District 16

Monroe

### District 17

Broward

### District 18

Brevard

### District 19

Indian River  
Martin  
Okeechobee  
St. Lucie

### District 20

Collier

### District 21

Glades  
Hendry  
Lee

### District 22

Charlotte

### District 23

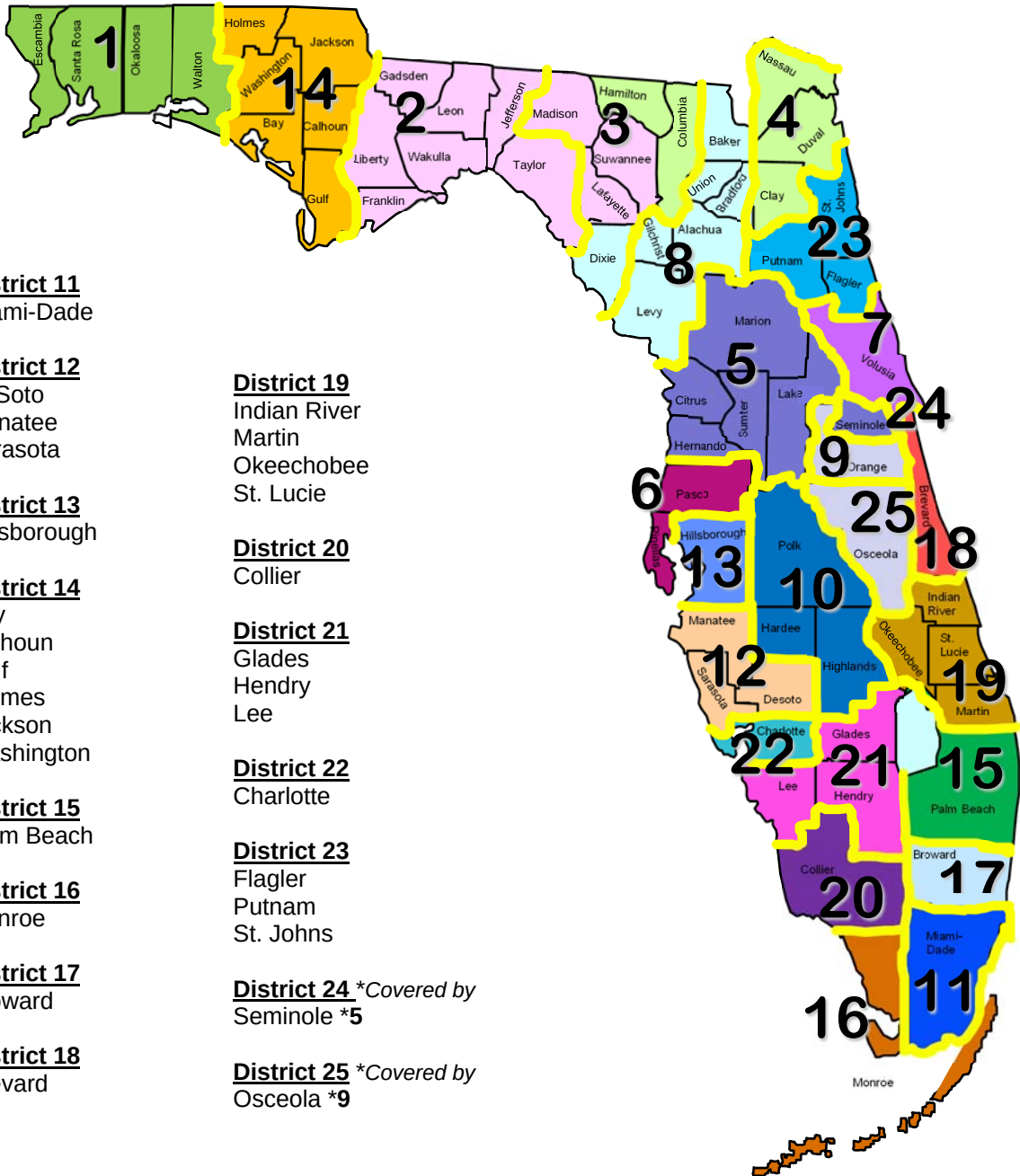
Flagler  
Putnam  
St. Johns

### District 24 \*Covered by

Seminole \*5

### District 25 \*Covered by

Osceola \*9



## Summary of Drug Occurrences in Decedents 2019

|                 | DRUG PRESENT IN BODY        | CAUSE | PRESENT | TOTAL OCCURRENCES |
|-----------------|-----------------------------|-------|---------|-------------------|
| Amphetamines    | Amphetamine                 | 483   | 942     | 1,425             |
|                 | Methamphetamine             | 896   | 523     | 1,419             |
| Benzodiazepines | Alprazolam                  | 614   | 909     | 1,523             |
|                 | Chlordiazepoxide            | 20    | 82      | 102               |
|                 | Clonazepam                  | 113   | 384     | 497               |
|                 | Diazepam                    | 128   | 300     | 428               |
|                 | Estazolam                   | 2     | 4       | 6                 |
|                 | Flunitrazepam               | 1     | 0       | 1                 |
|                 | Flurazepam                  | 1     | 1       | 2                 |
|                 | Lorazepam                   | 34    | 212     | 246               |
|                 | Midazolam                   | 8     | 208     | 216               |
|                 | Nordiazepam                 | 84    | 449     | 533               |
|                 | Oxazepam                    | 23    | 276     | 299               |
|                 | Temazepam                   | 46    | 308     | 354               |
|                 | Triazolam                   | 0     | 2       | 2                 |
|                 | Ethanol                     | 989   | 4,396   | 5,385             |
| Hallucinogenics | Phencyclidine (PCP)         | 0     | 0       | 0                 |
|                 | PCP Analogs                 | 0     | 0       | 0                 |
|                 | Phenethylamines/Piperazines | 38    | 39      | 77                |
|                 | Tryptamines                 | 1     | 4       | 5                 |

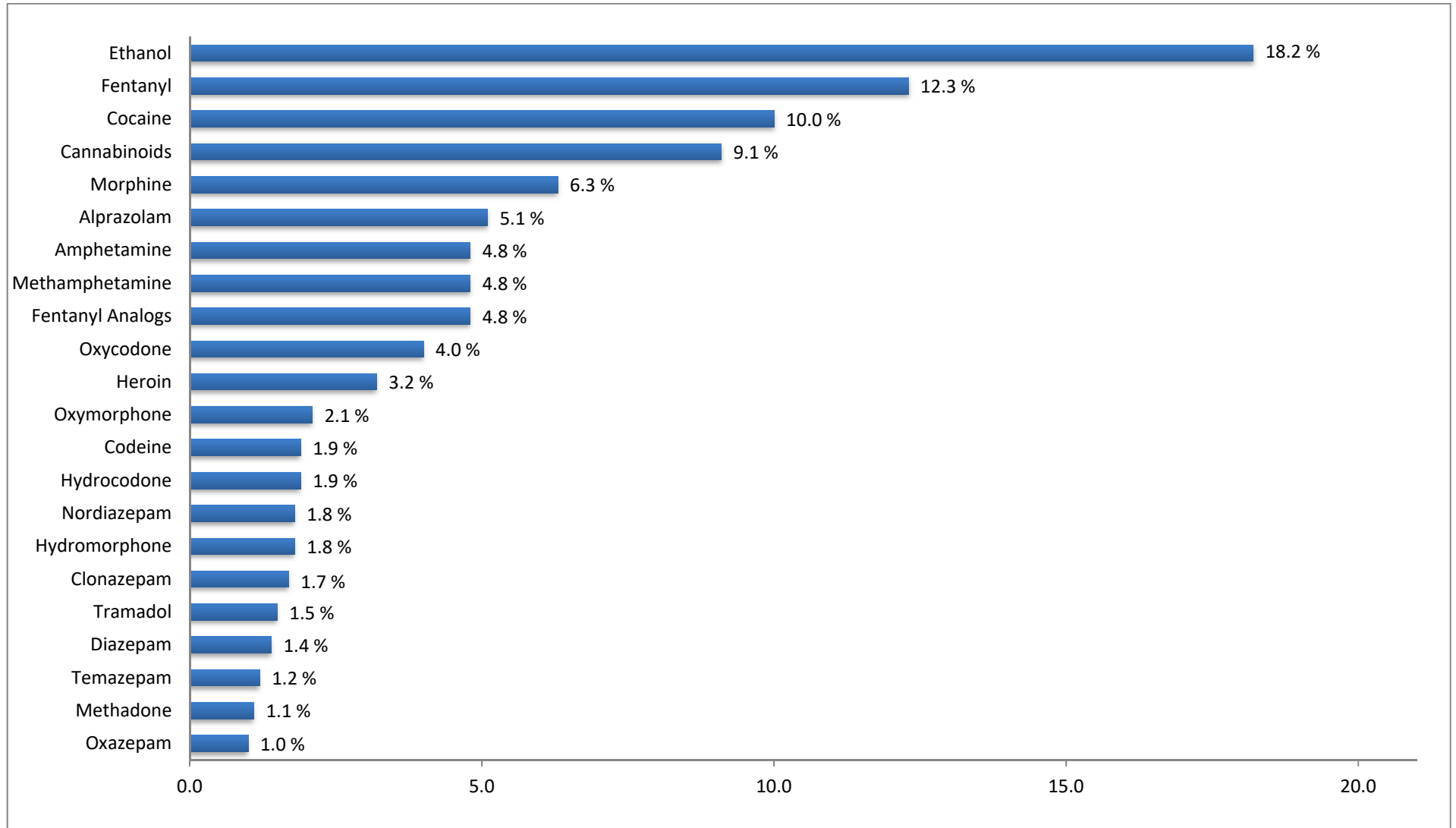
## Summary of Drug Occurrences in Decedents (continued)

|           | DRUG PRESENT IN BODY     | CAUSE | PRESENT | TOTAL OCCURRENCES |
|-----------|--------------------------|-------|---------|-------------------|
| Inhalants | Halogenated              | 26    | 3       | 29                |
|           | Helium                   | 11    | 0       | 11                |
|           | Hydrocarbon              | 2     | 1       | 3                 |
|           | Nitrous Oxide            | 2     | 0       | 2                 |
| Opioids   | Buprenorphine            | 51    | 156     | 207               |
|           | Codeine                  | 72    | 502     | 574               |
|           | Fentanyl                 | 3,244 | 411     | 3,655             |
|           | Fentanyl Analogs         | 922   | 496     | 1,418             |
|           | Heroin                   | 809   | 145     | 954               |
|           | Hydrocodone              | 165   | 393     | 558               |
|           | Hydromorphone            | 133   | 392     | 525               |
|           | Meperidine               | 1     | 11      | 12                |
|           | Methadone                | 174   | 144     | 318               |
|           | Morphine                 | 984   | 871     | 1,855             |
|           | Oxycodone                | 510   | 671     | 1,181             |
|           | Oxymorphone              | 121   | 501     | 622               |
|           | Tramadol                 | 102   | 345     | 447               |
|           | U-47700                  | 2     | 2       | 4                 |
| Other     | Cannabinoids             | 49    | 2,661   | 2,710             |
|           | Carisoprodol/Meprobamate | 17    | 45      | 62                |
|           | Cathinones               | 79    | 80      | 159               |
|           | Cocaine                  | 1,843 | 1,119   | 2,962             |
|           | GHB                      | 5     | 2       | 7                 |
|           | Ketamine                 | 14    | 143     | 157               |
|           | Sympathomimetic Amines   | 4     | 29      | 33                |
|           | Synthetic Cannabinoids   | 35    | 15      | 50                |
|           | Zolpidem                 | 37    | 121     | 158               |

*Note: The total occurrences for buprenorphine and cannabinoids are under-reported due to the variability in analytical protocols in place at medical examiner offices. Medical examiners were asked to identify any metabolites of parent drugs. Since heroin is rapidly metabolized to morphine, this may lead to a substantial over-reporting of morphine-related deaths as well as significant under-reporting of heroin-related deaths. Many deaths were found to have several drugs contributing to the death; therefore, the count of specific drugs listed is greater than the number of deaths.*

## Frequency of Occurrence of Drugs in Decedents<sup>1</sup>

January – December 2019



<sup>1</sup>Drugs not included individually constituted less than one percent of occurrences.

Note: Percentages may not sum to 100 percent because of rounding.

## Comparison of Drug Occurrences in Decedents 2018 to 2019

| DRUG PRESENT IN BODY   |                             | 2018  | 2019  | PERCENTAGE CHANGE |
|------------------------|-----------------------------|-------|-------|-------------------|
| <b>Amphetamines</b>    | Amphetamine                 | 1,103 | 1,425 | 29.2%             |
|                        | Methamphetamine             | 1,056 | 1,419 | 34.4%             |
| <b>Benzodiazepines</b> | Alprazolam                  | 1,654 | 1,523 | -7.9%             |
|                        | Chlordiazepoxide            | 88    | 102   | 15.9%             |
|                        | Clonazepam                  | 518   | 497   | -4.1%             |
|                        | Diazepam                    | 541   | 428   | -20.9%            |
|                        | Estazolam                   | 9     | 6     | *                 |
|                        | Flunitrazepam               | 4     | 1     | *                 |
|                        | Flurazepam                  | 2     | 2     | *                 |
|                        | Lorazepam                   | 273   | 246   | -9.9%             |
|                        | Midazolam                   | 194   | 216   | 11.3%             |
|                        | Nordiazepam                 | 556   | 533   | -4.1%             |
|                        | Oxazepam                    | 350   | 299   | -14.6%            |
|                        | Temazepam                   | 427   | 354   | -17.1%            |
|                        | Triazolam                   | 8     | 2     | *                 |
| <b>Ethanol</b>         |                             | 5,140 | 5,385 | 4.8%              |
| <b>Hallucinogenics</b> | Phencyclidine (PCP)         | 0     | 0     | *                 |
|                        | PCP Analogs                 | 3     | 0     | *                 |
|                        | Phenethylamines/Piperazines | 46    | 77    | 67.4%             |
|                        | Tryptamines                 | 6     | 5     | *                 |

*\*Due to the small number of occurrences, percent changes were not calculated.*

*Note: Many deaths were found to have several drugs contributing to the death; therefore, the count of specific drugs listed is greater than the number of deaths.*

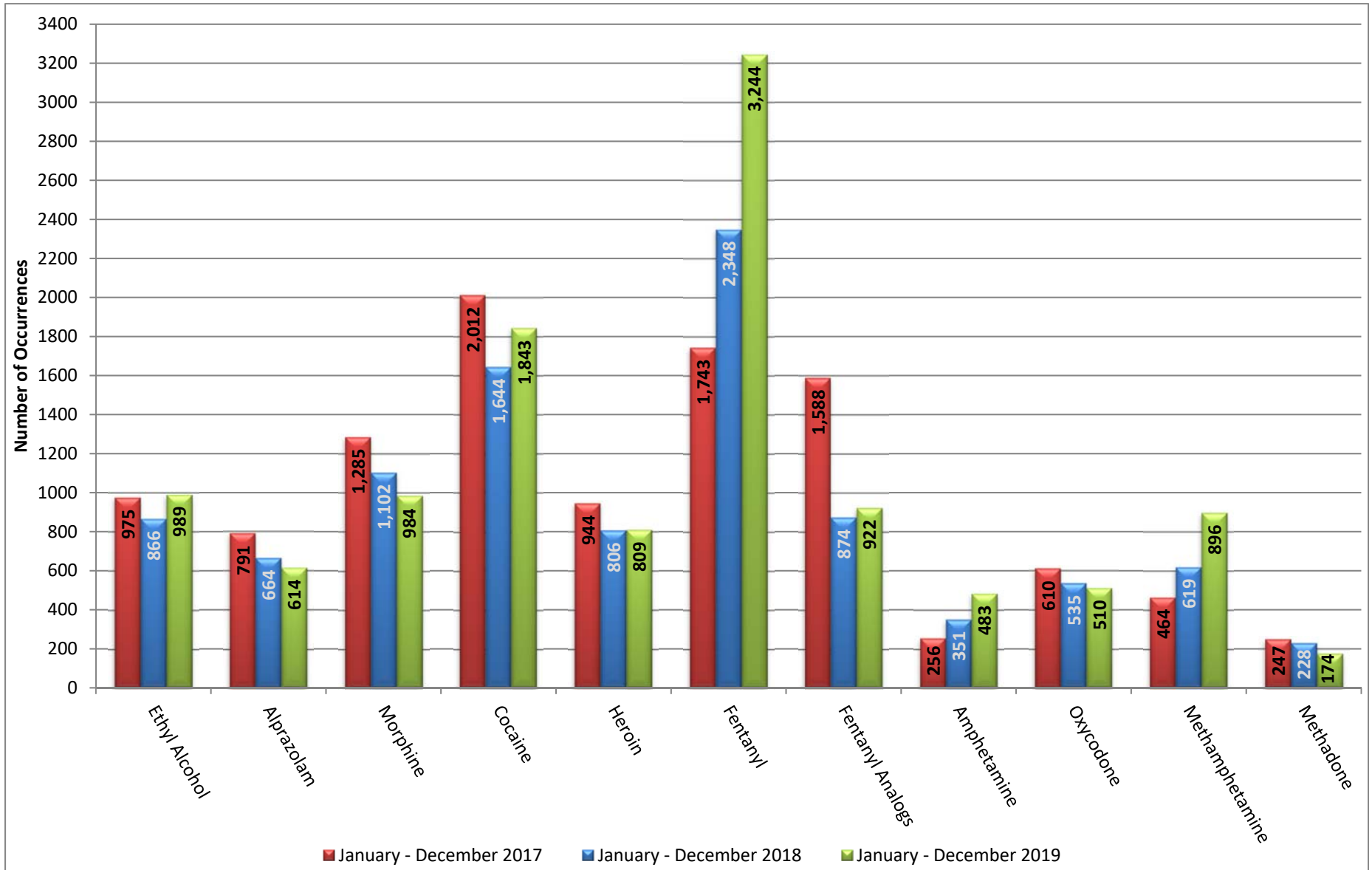
## Comparison of Drug Occurrences in Decedents (continued)

|                  | DRUG PRESENT IN BODY     | 2018  | 2019  | PERCENTAGE CHANGE |
|------------------|--------------------------|-------|-------|-------------------|
| <b>Inhalants</b> | Halogenated              | 44    | 29    | -34.1%            |
|                  | Helium                   | 6     | 11    | *                 |
|                  | Hydrocarbon              | 4     | 3     | *                 |
|                  | Nitrous Oxide            | 0     | 2     | *                 |
| <b>Opioids</b>   | Buprenorphine            | 175   | 207   | 18.3%             |
|                  | Codeine                  | 574   | 574   | 0%                |
|                  | Fentanyl                 | 2,703 | 3,655 | 35.2%             |
|                  | Fentanyl Analogs         | 1,052 | 1,418 | 34.8%             |
|                  | Heroin                   | 940   | 954   | 1.5%              |
|                  | Hydrocodone              | 593   | 558   | -5.9%             |
|                  | Hydromorphone            | 582   | 525   | -9.8%             |
|                  | Meperidine               | 10    | 12    | *                 |
|                  | Methadone                | 401   | 318   | -20.7%            |
|                  | Morphine                 | 1,863 | 1,855 | -0.4%             |
|                  | Oxycodone                | 1,181 | 1,181 | 0%                |
|                  | Oxymorphone              | 543   | 622   | 14.5%             |
|                  | Tramadol                 | 541   | 447   | -17.4%            |
|                  | U-47700                  | 35    | 4     | -88.6%            |
| <b>Other</b>     | Cannabinoids             | 2,590 | 2,710 | 4.6%              |
|                  | Carisoprodol/Meprobamate | 79    | 62    | -21.5%            |
|                  | Cathinones               | 243   | 159   | -34.6%            |
|                  | Cocaine                  | 2,856 | 2,962 | 3.7%              |
|                  | GHB                      | 3     | 7     | *                 |
|                  | Ketamine                 | 128   | 157   | 22.7%             |
|                  | Sympathomimetic Amines   | 41    | 33    | -19.5%            |
|                  | Synthetic Cannabinoids   | 95    | 50    | -47.4%            |
|                  | Zolpidem                 | 181   | 158   | -12.7%            |

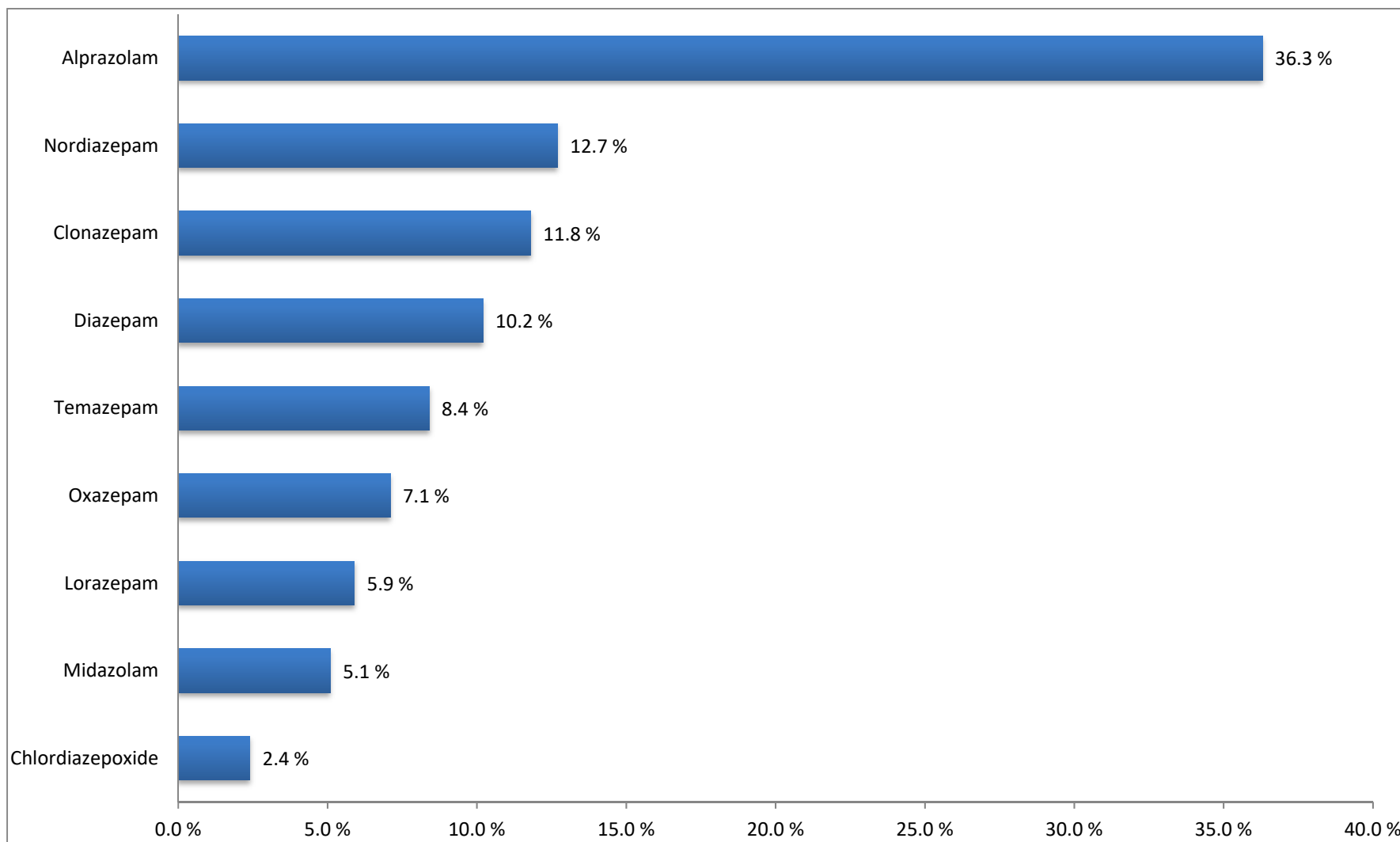
*\*Due to the small number of occurrences, percent changes were not calculated.*

*Note: Many deaths were found to have several drugs contributing to the death; therefore, the count of specific drugs listed is greater than the number of deaths.*

## Comparison of Drug Caused Deaths 2017 to 2019



## Frequency of Occurrence of Benzodiazepines January – December 2019



*Note: Benzodiazepines not included individually constituted less than one percent of occurrences. Percentages may not sum to 100 percent because of rounding. Several benzodiazepines (for example, diazepam) are metabolized to other benzodiazepines in the body (for example, nordiazepam, oxazepam and temazepam). Thus, occurrences of nordiazepam, oxazepam and temazepam may be due to the ingestion of diazepam, chlordiazepoxide and/or temazepam.*

## Alprazolam Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 |
|-----------------------------------------------|-----------------|
| District                                      | Area of Florida |
| 1                                             | Pensacola       |
| 2                                             | Tallahassee     |
| 3                                             | Live Oak        |
| 4                                             | Jacksonville    |
| 5                                             | Leesburg        |
| 6                                             | St. Petersburg  |
| 7                                             | Daytona Beach   |
| 8                                             | Gainesville     |
| 9                                             | Orlando         |
| 10                                            | Lakeland        |
| 11                                            | Miami           |
| 12                                            | Sarasota        |
| 13                                            | Tampa           |
| 14                                            | Panama City     |
| 15                                            | West Palm Beach |
| 16                                            | Florida Keys    |
| 17                                            | Ft. Lauderdale  |
| 18                                            | Melbourne       |
| 19                                            | Ft. Pierce      |
| 20                                            | Naples          |
| 21                                            | Ft. Myers       |
| 22                                            | Port Charlotte  |
| 23                                            | St. Augustine   |
| 24                                            | Sanford         |
| 25                                            | Kissimmee       |
| Statewide Totals                              |                 |

| Total Deaths with Alprazolam |       |         |
|------------------------------|-------|---------|
| Total                        | Cause | Present |
| 43                           | 24    | 19      |
| 8                            | 6     | 2       |
| 5                            | 1     | 4       |
| 105                          | 35    | 70      |
| 71                           | 28    | 43      |
| 155                          | 97    | 58      |
| 47                           | 16    | 31      |
| 6                            | 1     | 5       |
| 70                           | 19    | 51      |
| 48                           | 13    | 35      |
| 188                          | 62    | 126     |
| 64                           | 34    | 30      |
| 79                           | 45    | 34      |
| 41                           | 16    | 25      |
| 205                          | 56    | 149     |
| 8                            | 5     | 3       |
| 140                          | 94    | 46      |
| 38                           | 18    | 20      |
| 35                           | 5     | 30      |
| 40                           | 9     | 31      |
| 48                           | 7     | 41      |
| 17                           | 2     | 15      |
| 21                           | 10    | 11      |
| 26                           | 8     | 18      |
| 15                           | 3     | 12      |
| 1,523                        | 614   | 909     |

| Deaths with Alprazolam Only |       |         |
|-----------------------------|-------|---------|
| Total                       | Cause | Present |
| 5                           | 1     | 4       |
| 0                           | 0     | 0       |
| 0                           | 0     | 0       |
| 2                           | 0     | 2       |
| 7                           | 1     | 6       |
| 3                           | 1     | 2       |
| 3                           | 0     | 3       |
| 0                           | 0     | 0       |
| 9                           | 1     | 8       |
| 8                           | 1     | 7       |
| 12                          | 0     | 12      |
| 9                           | 2     | 7       |
| 5                           | 1     | 4       |
| 2                           | 0     | 2       |
| 14                          | 0     | 14      |
| 3                           | 0     | 3       |
| 7                           | 1     | 6       |
| 4                           | 1     | 3       |
| 3                           | 1     | 2       |
| 3                           | 0     | 3       |
| 2                           | 0     | 2       |
| 4                           | 0     | 4       |
| 0                           | 0     | 0       |
| 2                           | 0     | 2       |
| 0                           | 0     | 0       |
| 107                         | 11    | 96      |

| Deaths with Alprazolam in Combination with Other Drugs |       |         |
|--------------------------------------------------------|-------|---------|
| Total                                                  | Cause | Present |
| 38                                                     | 23    | 15      |
| 8                                                      | 6     | 2       |
| 5                                                      | 1     | 4       |
| 103                                                    | 35    | 68      |
| 64                                                     | 27    | 37      |
| 152                                                    | 96    | 56      |
| 44                                                     | 16    | 28      |
| 6                                                      | 1     | 5       |
| 61                                                     | 18    | 43      |
| 40                                                     | 12    | 28      |
| 176                                                    | 62    | 114     |
| 55                                                     | 32    | 23      |
| 74                                                     | 44    | 30      |
| 39                                                     | 16    | 23      |
| 191                                                    | 56    | 135     |
| 5                                                      | 5     | 0       |
| 133                                                    | 93    | 40      |
| 34                                                     | 17    | 17      |
| 32                                                     | 4     | 28      |
| 37                                                     | 9     | 28      |
| 46                                                     | 7     | 39      |
| 13                                                     | 2     | 11      |
| 21                                                     | 10    | 11      |
| 24                                                     | 8     | 16      |
| 15                                                     | 3     | 12      |
| 1,416                                                  | 603   | 813     |

## Alprazolam Deaths by Age

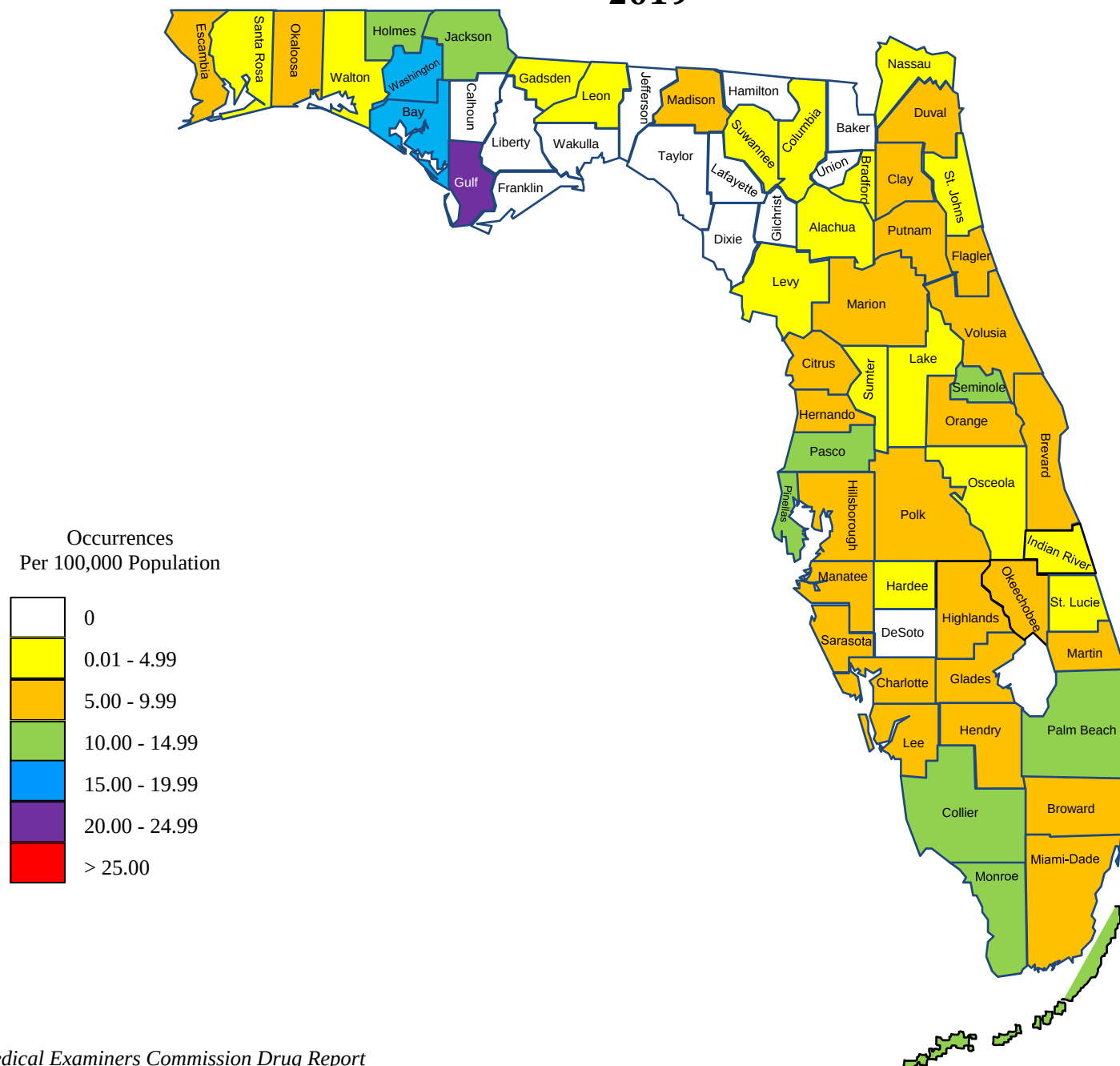
January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 43    |
| 2                                                | Tallahassee     | 8     |
| 3                                                | Live Oak        | 5     |
| 4                                                | Jacksonville    | 105   |
| 5                                                | Leesburg        | 71    |
| 6                                                | St. Petersburg  | 155   |
| 7                                                | Daytona Beach   | 47    |
| 8                                                | Gainesville     | 6     |
| 9                                                | Orlando         | 70    |
| 10                                               | Lakeland        | 48    |
| 11                                               | Miami           | 188   |
| 12                                               | Sarasota        | 64    |
| 13                                               | Tampa           | 79    |
| 14                                               | Panama City     | 41    |
| 15                                               | West Palm Beach | 205   |
| 16                                               | Florida Keys    | 8     |
| 17                                               | Ft. Lauderdale  | 140   |
| 18                                               | Melbourne       | 38    |
| 19                                               | Ft. Pierce      | 35    |
| 20                                               | Naples          | 40    |
| 21                                               | Ft. Myers       | 48    |
| 22                                               | Port Charlotte  | 17    |
| 23                                               | St. Augustine   | 21    |
| 24                                               | Sanford         | 26    |
| 25                                               | Kissimmee       | 15    |
| Statewide Totals                                 |                 | 1,523 |

| Alprazolam Caused Death |     |       |       |       |     |  |
|-------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent         |     |       |       |       |     |  |
| Total                   | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 24                      | 0   | 2     | 3     | 12    | 7   |  |
| 6                       | 0   | 1     | 1     | 3     | 1   |  |
| 1                       | 0   | 0     | 0     | 0     | 1   |  |
| 35                      | 0   | 2     | 7     | 15    | 11  |  |
| 28                      | 0   | 2     | 5     | 11    | 10  |  |
| 97                      | 0   | 8     | 12    | 43    | 34  |  |
| 16                      | 0   | 3     | 2     | 8     | 3   |  |
| 1                       | 0   | 0     | 0     | 0     | 1   |  |
| 19                      | 0   | 0     | 1     | 11    | 7   |  |
| 13                      | 0   | 1     | 2     | 6     | 4   |  |
| 62                      | 0   | 15    | 16    | 23    | 8   |  |
| 34                      | 0   | 2     | 6     | 11    | 15  |  |
| 45                      | 0   | 2     | 15    | 15    | 13  |  |
| 16                      | 0   | 2     | 4     | 9     | 1   |  |
| 56                      | 0   | 7     | 15    | 18    | 16  |  |
| 5                       | 0   | 0     | 3     | 1     | 1   |  |
| 94                      | 0   | 12    | 22    | 33    | 27  |  |
| 18                      | 0   | 1     | 3     | 8     | 6   |  |
| 5                       | 0   | 0     | 0     | 0     | 5   |  |
| 9                       | 0   | 2     | 2     | 3     | 2   |  |
| 7                       | 0   | 1     | 0     | 2     | 4   |  |
| 2                       | 0   | 0     | 0     | 1     | 1   |  |
| 10                      | 0   | 1     | 0     | 5     | 4   |  |
| 8                       | 0   | 2     | 3     | 0     | 3   |  |
| 3                       | 0   | 0     | 0     | 2     | 1   |  |
| 614                     | 0   | 66    | 122   | 240   | 186 |  |

| Alprazolam Present at Death |     |       |       |       |     |  |
|-----------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent             |     |       |       |       |     |  |
| Total                       | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 19                          | 0   | 2     | 1     | 7     | 9   |  |
| 2                           | 0   | 0     | 1     | 0     | 1   |  |
| 4                           | 0   | 0     | 0     | 3     | 1   |  |
| 70                          | 1   | 4     | 15    | 26    | 24  |  |
| 43                          | 1   | 3     | 4     | 17    | 18  |  |
| 58                          | 0   | 3     | 10    | 21    | 24  |  |
| 31                          | 0   | 2     | 7     | 14    | 8   |  |
| 5                           | 0   | 0     | 0     | 5     | 0   |  |
| 51                          | 0   | 5     | 12    | 12    | 22  |  |
| 35                          | 0   | 2     | 6     | 6     | 21  |  |
| 126                         | 2   | 21    | 29    | 28    | 46  |  |
| 30                          | 0   | 2     | 3     | 5     | 20  |  |
| 34                          | 0   | 2     | 7     | 8     | 17  |  |
| 25                          | 0   | 0     | 4     | 7     | 14  |  |
| 149                         | 0   | 19    | 34    | 52    | 44  |  |
| 3                           | 0   | 0     | 0     | 1     | 2   |  |
| 46                          | 0   | 5     | 4     | 15    | 22  |  |
| 20                          | 0   | 0     | 5     | 5     | 10  |  |
| 30                          | 0   | 3     | 1     | 10    | 16  |  |
| 31                          | 0   | 0     | 7     | 10    | 14  |  |
| 41                          | 0   | 4     | 6     | 10    | 21  |  |
| 15                          | 0   | 0     | 5     | 3     | 7   |  |
| 11                          | 0   | 1     | 2     | 4     | 4   |  |
| 18                          | 0   | 0     | 7     | 6     | 5   |  |
| 12                          | 0   | 0     | 2     | 1     | 9   |  |
| 909                         | 4   | 78    | 172   | 276   | 379 |  |

## Alprazolam Deaths by County 2019



## Diazepam Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Diazepam |       |         | Deaths with Diazepam Only |       |         | Deaths with Diazepam in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|----------------------------|-------|---------|---------------------------|-------|---------|------------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                      | Cause | Present | Total                     | Cause | Present | Total                                                | Cause | Present |
| 1                                             | Pensacola       | 10                         | 5     | 5       | 0                         | 0     | 0       | 10                                                   | 5     | 5       |
| 2                                             | Tallahassee     | 4                          | 2     | 2       | 0                         | 0     | 0       | 4                                                    | 2     | 2       |
| 3                                             | Live Oak        | 5                          | 2     | 3       | 0                         | 0     | 0       | 5                                                    | 2     | 3       |
| 4                                             | Jacksonville    | 31                         | 8     | 23      | 0                         | 0     | 0       | 31                                                   | 8     | 23      |
| 5                                             | Leesburg        | 18                         | 7     | 11      | 0                         | 0     | 0       | 18                                                   | 7     | 11      |
| 6                                             | St. Petersburg  | 66                         | 35    | 31      | 0                         | 0     | 0       | 66                                                   | 35    | 31      |
| 7                                             | Daytona Beach   | 15                         | 5     | 10      | 0                         | 0     | 0       | 15                                                   | 5     | 10      |
| 8                                             | Gainesville     | 7                          | 3     | 4       | 0                         | 0     | 0       | 7                                                    | 3     | 4       |
| 9                                             | Orlando         | 22                         | 1     | 21      | 1                         | 0     | 1       | 21                                                   | 1     | 20      |
| 10                                            | Lakeland        | 16                         | 2     | 14      | 0                         | 0     | 0       | 16                                                   | 2     | 14      |
| 11                                            | Miami           | 49                         | 7     | 42      | 4                         | 0     | 4       | 45                                                   | 7     | 38      |
| 12                                            | Sarasota        | 28                         | 13    | 15      | 0                         | 0     | 0       | 28                                                   | 13    | 15      |
| 13                                            | Tampa           | 17                         | 6     | 11      | 0                         | 0     | 0       | 17                                                   | 6     | 11      |
| 14                                            | Panama City     | 9                          | 2     | 7       | 0                         | 0     | 0       | 9                                                    | 2     | 7       |
| 15                                            | West Palm Beach | 34                         | 6     | 28      | 1                         | 0     | 1       | 33                                                   | 6     | 27      |
| 16                                            | Florida Keys    | 2                          | 1     | 1       | 0                         | 0     | 0       | 2                                                    | 1     | 1       |
| 17                                            | Ft. Lauderdale  | 24                         | 12    | 12      | 0                         | 0     | 0       | 24                                                   | 12    | 12      |
| 18                                            | Melbourne       | 11                         | 3     | 8       | 0                         | 0     | 0       | 11                                                   | 3     | 8       |
| 19                                            | Ft. Pierce      | 19                         | 0     | 19      | 0                         | 0     | 0       | 19                                                   | 0     | 19      |
| 20                                            | Naples          | 9                          | 3     | 6       | 0                         | 0     | 0       | 9                                                    | 3     | 6       |
| 21                                            | Ft. Myers       | 16                         | 2     | 14      | 1                         | 0     | 1       | 15                                                   | 2     | 13      |
| 22                                            | Port Charlotte  | 1                          | 0     | 1       | 0                         | 0     | 0       | 1                                                    | 0     | 1       |
| 23                                            | St. Augustine   | 4                          | 1     | 3       | 0                         | 0     | 0       | 4                                                    | 1     | 3       |
| 24                                            | Sanford         | 6                          | 2     | 4       | 1                         | 0     | 1       | 5                                                    | 2     | 3       |
| 25                                            | Kissimmee       | 5                          | 0     | 5       | 0                         | 0     | 0       | 5                                                    | 0     | 5       |
| Statewide Totals                              |                 | 428                        | 128   | 300     | 8                         | 0     | 8       | 420                                                  | 128   | 292     |

## Diazepam Deaths by Age

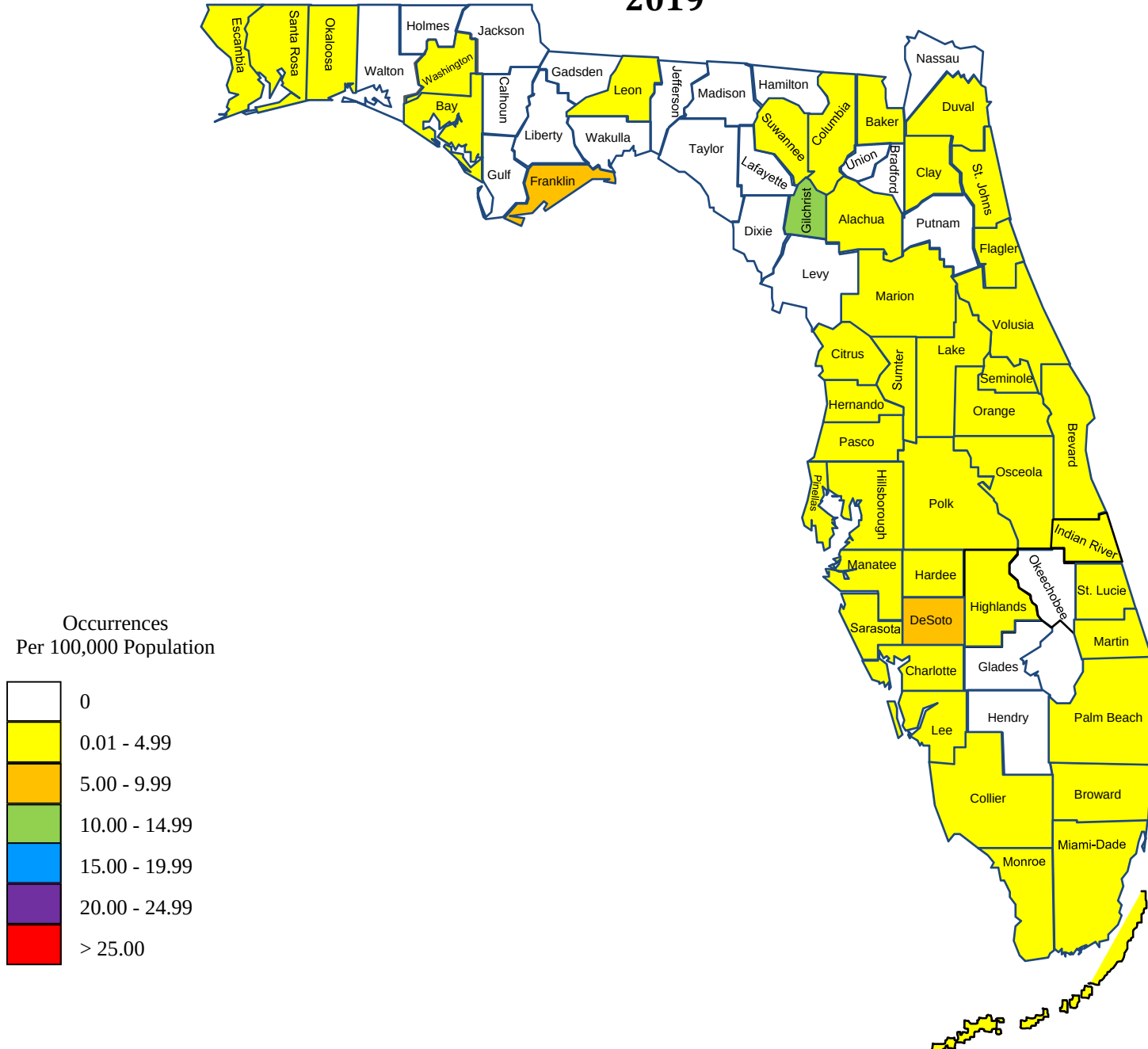
January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 10    |
| 2                                                | Tallahassee     | 4     |
| 3                                                | Live Oak        | 5     |
| 4                                                | Jacksonville    | 31    |
| 5                                                | Leesburg        | 18    |
| 6                                                | St. Petersburg  | 66    |
| 7                                                | Daytona Beach   | 15    |
| 8                                                | Gainesville     | 7     |
| 9                                                | Orlando         | 22    |
| 10                                               | Lakeland        | 16    |
| 11                                               | Miami           | 49    |
| 12                                               | Sarasota        | 28    |
| 13                                               | Tampa           | 17    |
| 14                                               | Panama City     | 9     |
| 15                                               | West Palm Beach | 34    |
| 16                                               | Florida Keys    | 2     |
| 17                                               | Ft. Lauderdale  | 24    |
| 18                                               | Melbourne       | 11    |
| 19                                               | Ft. Pierce      | 19    |
| 20                                               | Naples          | 9     |
| 21                                               | Ft. Myers       | 16    |
| 22                                               | Port Charlotte  | 1     |
| 23                                               | St. Augustine   | 4     |
| 24                                               | Sanford         | 6     |
| 25                                               | Kissimmee       | 5     |
| Statewide Totals                                 |                 | 428   |

| Diazepam Caused Death |      |       |       |       |     |  |
|-----------------------|------|-------|-------|-------|-----|--|
| Age of Decedent       |      |       |       |       |     |  |
| Total                 | < 18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 5                     | 0    | 0     | 3     | 2     | 0   |  |
| 2                     | 0    | 0     | 1     | 1     | 0   |  |
| 2                     | 0    | 0     | 0     | 2     | 0   |  |
| 8                     | 0    | 1     | 0     | 3     | 4   |  |
| 7                     | 0    | 1     | 2     | 1     | 3   |  |
| 35                    | 0    | 0     | 7     | 10    | 18  |  |
| 5                     | 0    | 1     | 0     | 1     | 3   |  |
| 3                     | 0    | 0     | 0     | 2     | 1   |  |
| 1                     | 0    | 0     | 0     | 0     | 1   |  |
| 2                     | 0    | 0     | 0     | 1     | 1   |  |
| 7                     | 0    | 1     | 0     | 2     | 4   |  |
| 13                    | 0    | 2     | 1     | 2     | 8   |  |
| 6                     | 0    | 0     | 1     | 2     | 3   |  |
| 2                     | 0    | 0     | 0     | 2     | 0   |  |
| 6                     | 0    | 0     | 1     | 3     | 2   |  |
| 1                     | 0    | 0     | 0     | 0     | 1   |  |
| 12                    | 0    | 0     | 3     | 1     | 8   |  |
| 3                     | 0    | 0     | 1     | 1     | 1   |  |
| 0                     | 0    | 0     | 0     | 0     | 0   |  |
| 3                     | 0    | 0     | 0     | 1     | 2   |  |
| 2                     | 0    | 0     | 0     | 1     | 1   |  |
| 0                     | 0    | 0     | 0     | 0     | 0   |  |
| 1                     | 0    | 0     | 0     | 0     | 1   |  |
| 2                     | 0    | 0     | 1     | 1     | 0   |  |
| 0                     | 0    | 0     | 0     | 0     | 0   |  |
| 128                   | 0    | 6     | 21    | 39    | 62  |  |

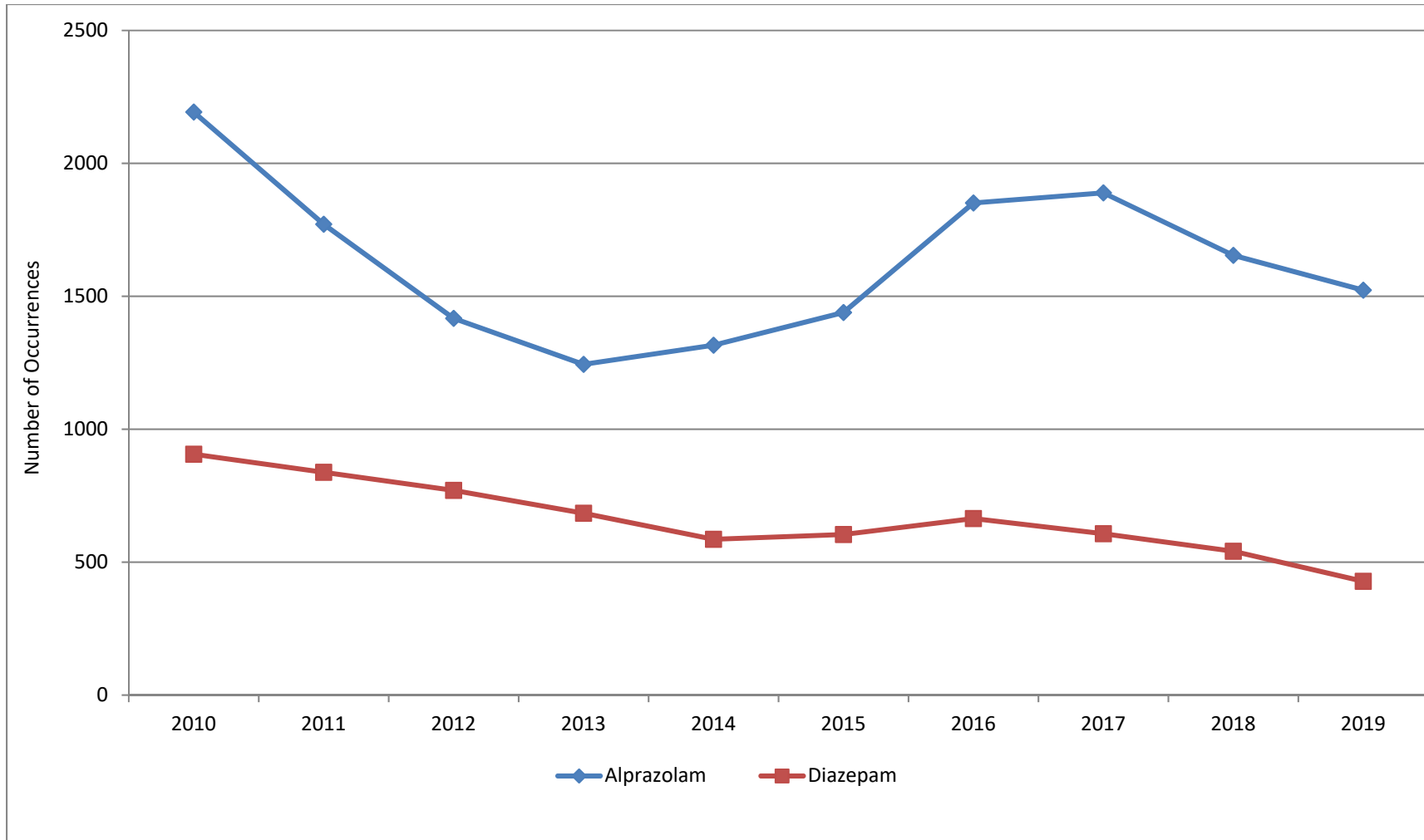
| Diazepam Present at Death |     |       |       |       |     |  |
|---------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent           |     |       |       |       |     |  |
| Total                     | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 5                         | 0   | 0     | 0     | 1     | 4   |  |
| 2                         | 0   | 0     | 0     | 0     | 2   |  |
| 3                         | 0   | 0     | 0     | 0     | 3   |  |
| 23                        | 0   | 1     | 5     | 6     | 11  |  |
| 11                        | 0   | 0     | 0     | 1     | 10  |  |
| 31                        | 0   | 0     | 2     | 11    | 18  |  |
| 10                        | 0   | 0     | 0     | 2     | 8   |  |
| 4                         | 0   | 0     | 0     | 2     | 2   |  |
| 21                        | 1   | 1     | 3     | 8     | 8   |  |
| 14                        | 0   | 0     | 0     | 3     | 11  |  |
| 42                        | 0   | 2     | 5     | 3     | 32  |  |
| 15                        | 0   | 0     | 0     | 4     | 11  |  |
| 11                        | 0   | 1     | 1     | 2     | 7   |  |
| 7                         | 0   | 0     | 1     | 2     | 4   |  |
| 28                        | 0   | 3     | 1     | 4     | 20  |  |
| 1                         | 0   | 0     | 1     | 0     | 0   |  |
| 12                        | 0   | 0     | 0     | 4     | 8   |  |
| 8                         | 0   | 0     | 1     | 2     | 5   |  |
| 19                        | 0   | 0     | 1     | 7     | 11  |  |
| 6                         | 0   | 0     | 1     | 3     | 2   |  |
| 14                        | 0   | 0     | 0     | 6     | 8   |  |
| 1                         | 0   | 0     | 0     | 1     | 0   |  |
| 3                         | 0   | 1     | 1     | 0     | 1   |  |
| 4                         | 0   | 0     | 1     | 2     | 1   |  |
| 5                         | 0   | 0     | 0     | 0     | 5   |  |
| 300                       | 1   | 9     | 24    | 74    | 192 |  |

## Diazepam Deaths by County 2019



## Historical Overview of Alprazolam and Diazepam Occurrences

(Present and Cause)  
2010 to 2019



## Oxycodone Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 |
|-----------------------------------------------|-----------------|
| District                                      | Area of Florida |
| 1                                             | Pensacola       |
| 2                                             | Tallahassee     |
| 3                                             | Live Oak        |
| 4                                             | Jacksonville    |
| 5                                             | Leesburg        |
| 6                                             | St. Petersburg  |
| 7                                             | Daytona Beach   |
| 8                                             | Gainesville     |
| 9                                             | Orlando         |
| 10                                            | Lakeland        |
| 11                                            | Miami           |
| 12                                            | Sarasota        |
| 13                                            | Tampa           |
| 14                                            | Panama City     |
| 15                                            | West Palm Beach |
| 16                                            | Florida Keys    |
| 17                                            | Ft. Lauderdale  |
| 18                                            | Melbourne       |
| 19                                            | Ft. Pierce      |
| 20                                            | Naples          |
| 21                                            | Ft. Myers       |
| 22                                            | Port Charlotte  |
| 23                                            | St. Augustine   |
| 24                                            | Sanford         |
| 25                                            | Kissimmee       |
| <b>Statewide Totals</b>                       |                 |

| Total Deaths with Oxycodone |            |            |
|-----------------------------|------------|------------|
| Total                       | Cause      | Present    |
| 32                          | 20         | 12         |
| 20                          | 6          | 14         |
| 10                          | 3          | 7          |
| 88                          | 20         | 68         |
| 69                          | 34         | 35         |
| 141                         | 95         | 46         |
| 27                          | 12         | 15         |
| 17                          | 6          | 11         |
| 51                          | 16         | 35         |
| 30                          | 17         | 13         |
| 113                         | 36         | 77         |
| 59                          | 34         | 25         |
| 80                          | 35         | 45         |
| 30                          | 7          | 23         |
| 120                         | 47         | 73         |
| 6                           | 5          | 1          |
| 64                          | 35         | 29         |
| 72                          | 34         | 38         |
| 35                          | 11         | 24         |
| 25                          | 10         | 15         |
| 48                          | 13         | 35         |
| 9                           | 1          | 8          |
| 11                          | 5          | 6          |
| 13                          | 6          | 7          |
| 11                          | 2          | 9          |
| <b>1,181</b>                | <b>510</b> | <b>671</b> |

| Deaths with Oxycodone Only |           |           |
|----------------------------|-----------|-----------|
| Total                      | Cause     | Present   |
| 2                          | 1         | 1         |
| 3                          | 0         | 3         |
| 0                          | 0         | 0         |
| 4                          | 0         | 4         |
| 2                          | 0         | 2         |
| 4                          | 4         | 0         |
| 2                          | 0         | 2         |
| 5                          | 1         | 4         |
| 8                          | 0         | 8         |
| 5                          | 1         | 4         |
| 5                          | 0         | 5         |
| 6                          | 2         | 4         |
| 5                          | 0         | 5         |
| 1                          | 0         | 1         |
| 8                          | 2         | 6         |
| 1                          | 1         | 0         |
| 8                          | 3         | 5         |
| 9                          | 3         | 6         |
| 5                          | 0         | 5         |
| 0                          | 0         | 0         |
| 1                          | 0         | 1         |
| 1                          | 0         | 1         |
| 0                          | 0         | 0         |
| 1                          | 0         | 1         |
| <b>87</b>                  | <b>18</b> | <b>69</b> |

| Deaths with Oxycodone in Combination with Other Drugs |            |            |
|-------------------------------------------------------|------------|------------|
| Total                                                 | Cause      | Present    |
| 30                                                    | 19         | 11         |
| 17                                                    | 6          | 11         |
| 10                                                    | 3          | 7          |
| 84                                                    | 20         | 64         |
| 67                                                    | 34         | 33         |
| 137                                                   | 91         | 46         |
| 25                                                    | 12         | 13         |
| 12                                                    | 5          | 7          |
| 43                                                    | 16         | 27         |
| 25                                                    | 16         | 9          |
| 108                                                   | 36         | 72         |
| 53                                                    | 32         | 21         |
| 75                                                    | 35         | 40         |
| 29                                                    | 7          | 22         |
| 112                                                   | 45         | 67         |
| 5                                                     | 4          | 1          |
| 56                                                    | 32         | 24         |
| 63                                                    | 31         | 32         |
| 30                                                    | 11         | 19         |
| 25                                                    | 10         | 15         |
| 47                                                    | 13         | 34         |
| 8                                                     | 1          | 7          |
| 10                                                    | 5          | 5          |
| 13                                                    | 6          | 7          |
| 10                                                    | 2          | 8          |
| <b>1,094</b>                                          | <b>492</b> | <b>602</b> |

## Oxycodone Deaths by Age

January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 32    |
| 2                                                | Tallahassee     | 20    |
| 3                                                | Live Oak        | 10    |
| 4                                                | Jacksonville    | 88    |
| 5                                                | Leesburg        | 69    |
| 6                                                | St. Petersburg  | 141   |
| 7                                                | Daytona Beach   | 27    |
| 8                                                | Gainesville     | 17    |
| 9                                                | Orlando         | 51    |
| 10                                               | Lakeland        | 30    |
| 11                                               | Miami           | 113   |
| 12                                               | Sarasota        | 59    |
| 13                                               | Tampa           | 80    |
| 14                                               | Panama City     | 30    |
| 15                                               | West Palm Beach | 120   |
| 16                                               | Florida Keys    | 6     |
| 17                                               | Ft. Lauderdale  | 64    |
| 18                                               | Melbourne       | 72    |
| 19                                               | Ft. Pierce      | 35    |
| 20                                               | Naples          | 25    |
| 21                                               | Ft. Myers       | 48    |
| 22                                               | Port Charlotte  | 9     |
| 23                                               | St. Augustine   | 11    |
| 24                                               | Sanford         | 13    |
| 25                                               | Kissimmee       | 11    |
| Statewide Totals                                 |                 | 1,181 |

| Oxycodone Caused Death |      |       |       |       |     |
|------------------------|------|-------|-------|-------|-----|
| Age of Decedent        |      |       |       |       |     |
| Total                  | < 18 | 18-25 | 26-34 | 35-50 | >50 |
| 20                     | 0    | 2     | 4     | 6     | 8   |
| 6                      | 0    | 0     | 1     | 2     | 3   |
| 3                      | 0    | 0     | 0     | 3     | 0   |
| 20                     | 0    | 2     | 6     | 11    | 1   |
| 34                     | 0    | 2     | 4     | 9     | 19  |
| 95                     | 1    | 5     | 9     | 36    | 44  |
| 12                     | 0    | 0     | 1     | 2     | 9   |
| 6                      | 0    | 1     | 0     | 3     | 2   |
| 16                     | 0    | 0     | 2     | 7     | 7   |
| 17                     | 0    | 1     | 3     | 3     | 10  |
| 36                     | 1    | 8     | 9     | 12    | 6   |
| 34                     | 0    | 0     | 5     | 11    | 18  |
| 35                     | 0    | 2     | 6     | 10    | 17  |
| 7                      | 0    | 0     | 1     | 2     | 4   |
| 47                     | 0    | 3     | 6     | 13    | 25  |
| 5                      | 0    | 0     | 0     | 2     | 3   |
| 35                     | 0    | 2     | 2     | 17    | 14  |
| 34                     | 0    | 1     | 5     | 14    | 14  |
| 11                     | 0    | 0     | 0     | 3     | 8   |
| 10                     | 0    | 0     | 3     | 2     | 5   |
| 13                     | 0    | 0     | 3     | 2     | 8   |
| 1                      | 0    | 0     | 0     | 1     | 0   |
| 5                      | 0    | 0     | 2     | 2     | 1   |
| 6                      | 0    | 0     | 2     | 0     | 4   |
| 2                      | 0    | 0     | 1     | 0     | 1   |
| 510                    | 2    | 29    | 75    | 173   | 231 |

| Oxycodone Present at Death |     |       |       |       |     |
|----------------------------|-----|-------|-------|-------|-----|
| Age of Decedent            |     |       |       |       |     |
| Total                      | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 12                         | 0   | 0     | 3     | 3     | 6   |
| 14                         | 0   | 0     | 3     | 3     | 8   |
| 7                          | 0   | 1     | 2     | 0     | 4   |
| 68                         | 0   | 4     | 6     | 21    | 37  |
| 35                         | 0   | 0     | 3     | 6     | 26  |
| 46                         | 0   | 1     | 4     | 11    | 30  |
| 15                         | 0   | 0     | 3     | 6     | 6   |
| 11                         | 0   | 0     | 0     | 3     | 8   |
| 35                         | 0   | 1     | 9     | 6     | 19  |
| 13                         | 0   | 0     | 1     | 0     | 12  |
| 77                         | 1   | 7     | 16    | 11    | 42  |
| 25                         | 0   | 0     | 3     | 7     | 15  |
| 45                         | 0   | 1     | 3     | 10    | 31  |
| 23                         | 0   | 0     | 4     | 8     | 11  |
| 73                         | 0   | 7     | 14    | 19    | 33  |
| 1                          | 0   | 0     | 0     | 1     | 0   |
| 29                         | 0   | 1     | 7     | 5     | 16  |
| 38                         | 0   | 4     | 5     | 7     | 22  |
| 24                         | 0   | 1     | 1     | 7     | 15  |
| 15                         | 0   | 0     | 4     | 8     | 3   |
| 35                         | 0   | 0     | 7     | 9     | 19  |
| 8                          | 0   | 0     | 2     | 4     | 2   |
| 6                          | 0   | 0     | 0     | 1     | 5   |
| 7                          | 0   | 0     | 1     | 1     | 5   |
| 9                          | 0   | 0     | 1     | 3     | 5   |
| 671                        | 1   | 28    | 102   | 160   | 380 |

A map of Florida showing its 67 counties, each labeled with its name. The counties are color-coded: yellow for the majority, orange for a second group, green for a third group, blue for a fourth group, and purple for Jefferson County. The colors represent different categories in a data visualization.



## Hydrocodone Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 |
|-----------------------------------------------|-----------------|
| District                                      | Area of Florida |
| 1                                             | Pensacola       |
| 2                                             | Tallahassee     |
| 3                                             | Live Oak        |
| 4                                             | Jacksonville    |
| 5                                             | Leesburg        |
| 6                                             | St. Petersburg  |
| 7                                             | Daytona Beach   |
| 8                                             | Gainesville     |
| 9                                             | Orlando         |
| 10                                            | Lakeland        |
| 11                                            | Miami           |
| 12                                            | Sarasota        |
| 13                                            | Tampa           |
| 14                                            | Panama City     |
| 15                                            | West Palm Beach |
| 16                                            | Florida Keys    |
| 17                                            | Ft. Lauderdale  |
| 18                                            | Melbourne       |
| 19                                            | Ft. Pierce      |
| 20                                            | Naples          |
| 21                                            | Ft. Myers       |
| 22                                            | Port Charlotte  |
| 23                                            | St. Augustine   |
| 24                                            | Sanford         |
| 25                                            | Kissimmee       |
| <b>Statewide Totals</b>                       |                 |

| Total Deaths with Hydrocodone |            |            |
|-------------------------------|------------|------------|
| Total                         | Cause      | Present    |
| 34                            | 9          | 25         |
| 20                            | 8          | 12         |
| 2                             | 0          | 2          |
| 65                            | 20         | 45         |
| 35                            | 15         | 20         |
| 61                            | 28         | 33         |
| 26                            | 5          | 21         |
| 13                            | 2          | 11         |
| 42                            | 4          | 38         |
| 30                            | 8          | 22         |
| 32                            | 10         | 22         |
| 12                            | 7          | 5          |
| 26                            | 9          | 17         |
| 25                            | 5          | 20         |
| 29                            | 7          | 22         |
| 3                             | 0          | 3          |
| 19                            | 6          | 13         |
| 22                            | 9          | 13         |
| 12                            | 3          | 9          |
| 6                             | 2          | 4          |
| 18                            | 4          | 14         |
| 4                             | 0          | 4          |
| 10                            | 3          | 7          |
| 6                             | 1          | 5          |
| 6                             | 0          | 6          |
| <b>558</b>                    | <b>165</b> | <b>393</b> |

| Deaths with Hydrocodone Only |          |           |
|------------------------------|----------|-----------|
| Total                        | Cause    | Present   |
| 7                            | 0        | 7         |
| 3                            | 0        | 3         |
| 1                            | 0        | 1         |
| 3                            | 0        | 3         |
| 8                            | 1        | 7         |
| 6                            | 0        | 6         |
| 5                            | 0        | 5         |
| 6                            | 1        | 5         |
| 20                           | 0        | 20        |
| 9                            | 3        | 6         |
| 0                            | 0        | 0         |
| 4                            | 0        | 4         |
| 4                            | 0        | 4         |
| 1                            | 0        | 1         |
| 0                            | 0        | 0         |
| 0                            | 0        | 0         |
| 3                            | 0        | 3         |
| 4                            | 0        | 4         |
| 3                            | 0        | 3         |
| 0                            | 0        | 0         |
| 5                            | 2        | 3         |
| 0                            | 0        | 0         |
| 1                            | 0        | 1         |
| 1                            | 0        | 1         |
| 1                            | 0        | 1         |
| <b>95</b>                    | <b>7</b> | <b>88</b> |

| Deaths with Hydrocodone in Combination with Other Drugs |            |            |
|---------------------------------------------------------|------------|------------|
| Total                                                   | Cause      | Present    |
| 27                                                      | 9          | 18         |
| 17                                                      | 8          | 9          |
| 1                                                       | 0          | 1          |
| 62                                                      | 20         | 42         |
| 27                                                      | 14         | 13         |
| 55                                                      | 28         | 27         |
| 21                                                      | 5          | 16         |
| 7                                                       | 1          | 6          |
| 22                                                      | 4          | 18         |
| 21                                                      | 5          | 16         |
| 32                                                      | 10         | 22         |
| 8                                                       | 7          | 1          |
| 22                                                      | 9          | 13         |
| 24                                                      | 5          | 19         |
| 29                                                      | 7          | 22         |
| 3                                                       | 0          | 3          |
| 16                                                      | 6          | 10         |
| 18                                                      | 9          | 9          |
| 9                                                       | 3          | 6          |
| 6                                                       | 2          | 4          |
| 13                                                      | 2          | 11         |
| 4                                                       | 0          | 4          |
| 9                                                       | 3          | 6          |
| 5                                                       | 1          | 4          |
| 5                                                       | 0          | 5          |
| <b>463</b>                                              | <b>158</b> | <b>305</b> |

## Hydrocodone Deaths by Age

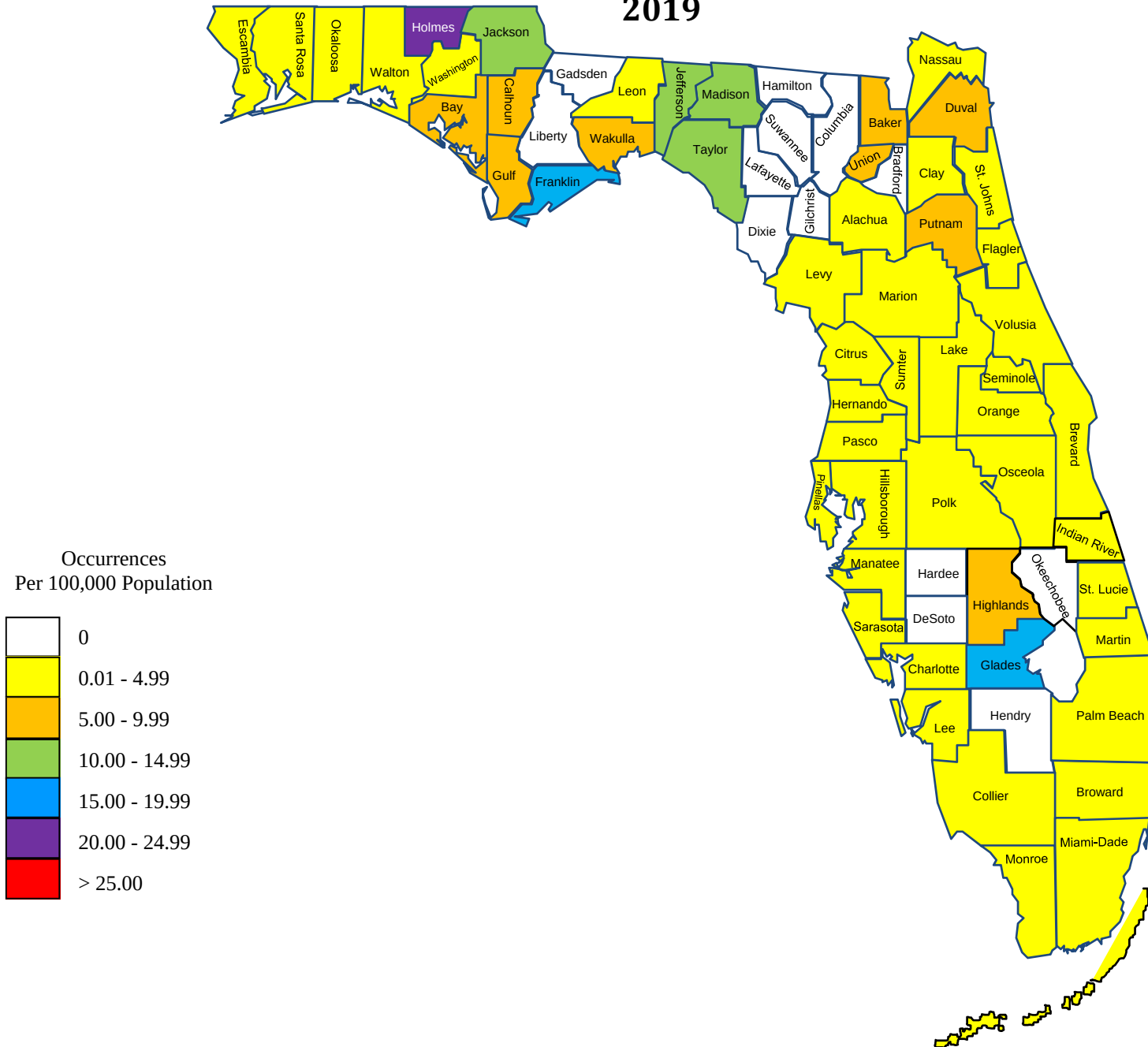
January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 34    |
| 2                                                | Tallahassee     | 20    |
| 3                                                | Live Oak        | 2     |
| 4                                                | Jacksonville    | 65    |
| 5                                                | Leesburg        | 35    |
| 6                                                | St. Petersburg  | 61    |
| 7                                                | Daytona Beach   | 26    |
| 8                                                | Gainesville     | 13    |
| 9                                                | Orlando         | 42    |
| 10                                               | Lakeland        | 30    |
| 11                                               | Miami           | 32    |
| 12                                               | Sarasota        | 12    |
| 13                                               | Tampa           | 26    |
| 14                                               | Panama City     | 25    |
| 15                                               | West Palm Beach | 29    |
| 16                                               | Florida Keys    | 3     |
| 17                                               | Ft. Lauderdale  | 19    |
| 18                                               | Melbourne       | 22    |
| 19                                               | Ft. Pierce      | 12    |
| 20                                               | Naples          | 6     |
| 21                                               | Ft. Myers       | 18    |
| 22                                               | Port Charlotte  | 4     |
| 23                                               | St. Augustine   | 10    |
| 24                                               | Sanford         | 6     |
| 25                                               | Kissimmee       | 6     |
| Statewide Totals                                 |                 | 558   |

| Hydrocodone Caused Death |      |       |       |       |     |  |
|--------------------------|------|-------|-------|-------|-----|--|
| Age of Decedent          |      |       |       |       |     |  |
| Total                    | < 18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 9                        | 0    | 0     | 0     | 2     | 7   |  |
| 8                        | 0    | 0     | 1     | 1     | 6   |  |
| 0                        | 0    | 0     | 0     | 0     | 0   |  |
| 20                       | 0    | 2     | 3     | 8     | 7   |  |
| 15                       | 0    | 0     | 0     | 4     | 11  |  |
| 28                       | 0    | 2     | 1     | 4     | 21  |  |
| 5                        | 0    | 0     | 0     | 1     | 4   |  |
| 2                        | 0    | 0     | 1     | 0     | 1   |  |
| 4                        | 0    | 0     | 0     | 4     | 0   |  |
| 8                        | 0    | 1     | 0     | 1     | 6   |  |
| 10                       | 0    | 0     | 3     | 3     | 4   |  |
| 7                        | 0    | 0     | 1     | 1     | 5   |  |
| 9                        | 0    | 1     | 0     | 1     | 7   |  |
| 5                        | 0    | 0     | 0     | 3     | 2   |  |
| 7                        | 0    | 0     | 0     | 3     | 4   |  |
| 0                        | 0    | 0     | 0     | 0     | 0   |  |
| 6                        | 0    | 0     | 0     | 0     | 6   |  |
| 9                        | 0    | 0     | 1     | 1     | 7   |  |
| 3                        | 0    | 0     | 0     | 1     | 2   |  |
| 2                        | 0    | 0     | 0     | 1     | 1   |  |
| 4                        | 0    | 0     | 1     | 0     | 3   |  |
| 0                        | 0    | 0     | 0     | 0     | 0   |  |
| 3                        | 0    | 0     | 1     | 2     | 0   |  |
| 1                        | 0    | 0     | 0     | 0     | 1   |  |
| 0                        | 0    | 0     | 0     | 0     | 0   |  |
| 165                      | 0    | 6     | 13    | 41    | 105 |  |

| Hydrocodone Present at Death |     |       |       |       |     |  |
|------------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent              |     |       |       |       |     |  |
| Total                        | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 25                           | 0   | 1     | 3     | 6     | 15  |  |
| 12                           | 0   | 0     | 1     | 3     | 8   |  |
| 2                            | 0   | 0     | 0     | 0     | 2   |  |
| 45                           | 0   | 2     | 7     | 12    | 24  |  |
| 20                           | 0   | 1     | 0     | 4     | 15  |  |
| 33                           | 0   | 0     | 0     | 4     | 29  |  |
| 21                           | 1   | 0     | 5     | 1     | 14  |  |
| 11                           | 0   | 0     | 1     | 4     | 6   |  |
| 38                           | 0   | 0     | 2     | 7     | 29  |  |
| 22                           | 0   | 0     | 1     | 8     | 13  |  |
| 22                           | 0   | 3     | 3     | 6     | 10  |  |
| 5                            | 0   | 0     | 0     | 1     | 4   |  |
| 17                           | 0   | 0     | 1     | 1     | 15  |  |
| 20                           | 0   | 0     | 1     | 6     | 13  |  |
| 22                           | 0   | 1     | 6     | 7     | 8   |  |
| 3                            | 0   | 0     | 0     | 0     | 3   |  |
| 13                           | 0   | 1     | 2     | 4     | 6   |  |
| 13                           | 0   | 1     | 0     | 2     | 10  |  |
| 9                            | 0   | 0     | 2     | 1     | 6   |  |
| 4                            | 0   | 0     | 1     | 2     | 1   |  |
| 14                           | 0   | 0     | 0     | 3     | 11  |  |
| 4                            | 0   | 0     | 1     | 1     | 2   |  |
| 7                            | 0   | 0     | 2     | 3     | 2   |  |
| 5                            | 0   | 0     | 0     | 1     | 4   |  |
| 6                            | 0   | 0     | 1     | 1     | 4   |  |
| 393                          | 1   | 10    | 40    | 88    | 254 |  |

## Hydrocodone Deaths by County 2019



## Methadone Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Methadone |       |         | Deaths with Methadone Only |       |         | Deaths with Methadone in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|-----------------------------|-------|---------|----------------------------|-------|---------|-------------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                       | Cause | Present | Total                      | Cause | Present | Total                                                 | Cause | Present |
| 1                                             | Pensacola       | 21                          | 14    | 7       | 4                          | 4     | 0       | 17                                                    | 10    | 7       |
| 2                                             | Tallahassee     | 4                           | 4     | 0       | 1                          | 1     | 0       | 3                                                     | 3     | 0       |
| 3                                             | Live Oak        | 2                           | 1     | 1       | 0                          | 0     | 0       | 2                                                     | 1     | 1       |
| 4                                             | Jacksonville    | 37                          | 23    | 14      | 6                          | 4     | 2       | 31                                                    | 19    | 12      |
| 5                                             | Leesburg        | 7                           | 5     | 2       | 1                          | 0     | 1       | 6                                                     | 5     | 1       |
| 6                                             | St. Petersburg  | 45                          | 29    | 16      | 3                          | 2     | 1       | 42                                                    | 27    | 15      |
| 7                                             | Daytona Beach   | 6                           | 3     | 3       | 0                          | 0     | 0       | 6                                                     | 3     | 3       |
| 8                                             | Gainesville     | 4                           | 3     | 1       | 1                          | 1     | 0       | 3                                                     | 2     | 1       |
| 9                                             | Orlando         | 17                          | 6     | 11      | 2                          | 0     | 2       | 15                                                    | 6     | 9       |
| 10                                            | Lakeland        | 8                           | 7     | 1       | 1                          | 1     | 0       | 7                                                     | 6     | 1       |
| 11                                            | Miami           | 10                          | 3     | 7       | 1                          | 0     | 1       | 9                                                     | 3     | 6       |
| 12                                            | Sarasota        | 20                          | 13    | 7       | 5                          | 1     | 4       | 15                                                    | 12    | 3       |
| 13                                            | Tampa           | 30                          | 16    | 14      | 7                          | 3     | 4       | 23                                                    | 13    | 10      |
| 14                                            | Panama City     | 11                          | 3     | 8       | 1                          | 0     | 1       | 10                                                    | 3     | 7       |
| 15                                            | West Palm Beach | 21                          | 6     | 15      | 2                          | 0     | 2       | 19                                                    | 6     | 13      |
| 16                                            | Florida Keys    | 1                           | 1     | 0       | 0                          | 0     | 0       | 1                                                     | 1     | 0       |
| 17                                            | Ft. Lauderdale  | 13                          | 10    | 3       | 3                          | 2     | 1       | 10                                                    | 8     | 2       |
| 18                                            | Melbourne       | 16                          | 6     | 10      | 2                          | 0     | 2       | 14                                                    | 6     | 8       |
| 19                                            | Ft. Pierce      | 7                           | 2     | 5       | 0                          | 0     | 0       | 7                                                     | 2     | 5       |
| 20                                            | Naples          | 9                           | 5     | 4       | 0                          | 0     | 0       | 9                                                     | 5     | 4       |
| 21                                            | Ft. Myers       | 8                           | 5     | 3       | 1                          | 1     | 0       | 7                                                     | 4     | 3       |
| 22                                            | Port Charlotte  | 5                           | 1     | 4       | 0                          | 0     | 0       | 5                                                     | 1     | 4       |
| 23                                            | St. Augustine   | 8                           | 5     | 3       | 1                          | 1     | 0       | 7                                                     | 4     | 3       |
| 24                                            | Sanford         | 3                           | 1     | 2       | 0                          | 0     | 0       | 3                                                     | 1     | 2       |
| 25                                            | Kissimmee       | 5                           | 2     | 3       | 2                          | 0     | 2       | 3                                                     | 2     | 1       |
| Statewide Totals                              |                 | 318                         | 174   | 144     | 44                         | 21    | 23      | 274                                                   | 153   | 121     |

## Methadone Deaths by Age

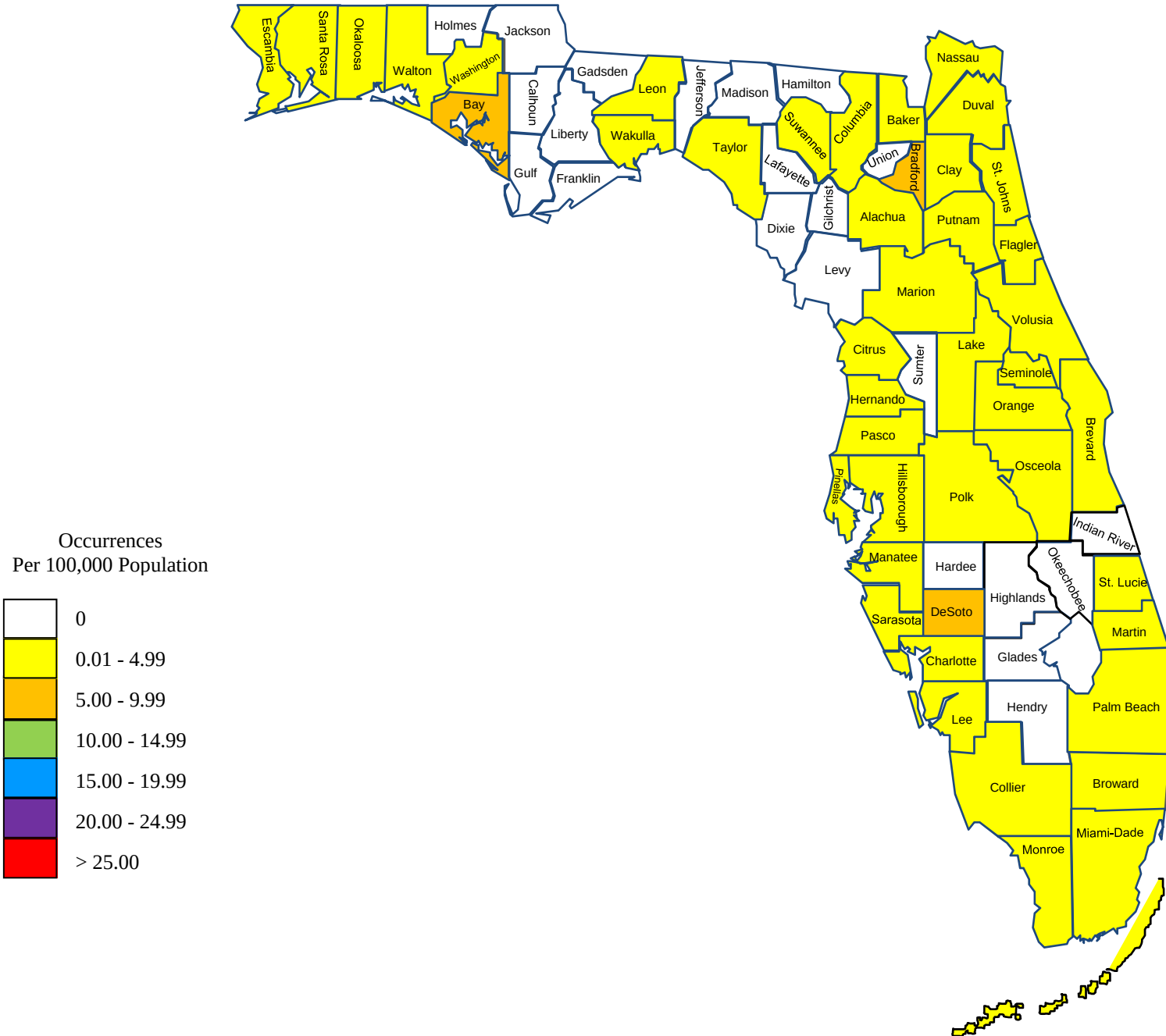
January – December 2019

| Medical Examiner District and Area of Florida |                 |       |
|-----------------------------------------------|-----------------|-------|
| District                                      | Area of Florida | Total |
| 1                                             | Pensacola       | 21    |
| 2                                             | Tallahassee     | 4     |
| 3                                             | Live Oak        | 2     |
| 4                                             | Jacksonville    | 37    |
| 5                                             | Leesburg        | 7     |
| 6                                             | St. Petersburg  | 45    |
| 7                                             | Daytona Beach   | 6     |
| 8                                             | Gainesville     | 4     |
| 9                                             | Orlando         | 17    |
| 10                                            | Lakeland        | 8     |
| 11                                            | Miami           | 10    |
| 12                                            | Sarasota        | 20    |
| 13                                            | Tampa           | 30    |
| 14                                            | Panama City     | 11    |
| 15                                            | West Palm Beach | 21    |
| 16                                            | Florida Keys    | 1     |
| 17                                            | Ft. Lauderdale  | 13    |
| 18                                            | Melbourne       | 16    |
| 19                                            | Ft. Pierce      | 7     |
| 20                                            | Naples          | 9     |
| 21                                            | Ft. Myers       | 8     |
| 22                                            | Port Charlotte  | 5     |
| 23                                            | St. Augustine   | 8     |
| 24                                            | Sanford         | 3     |
| 25                                            | Kissimmee       | 5     |
| Statewide Totals                              |                 | 318   |

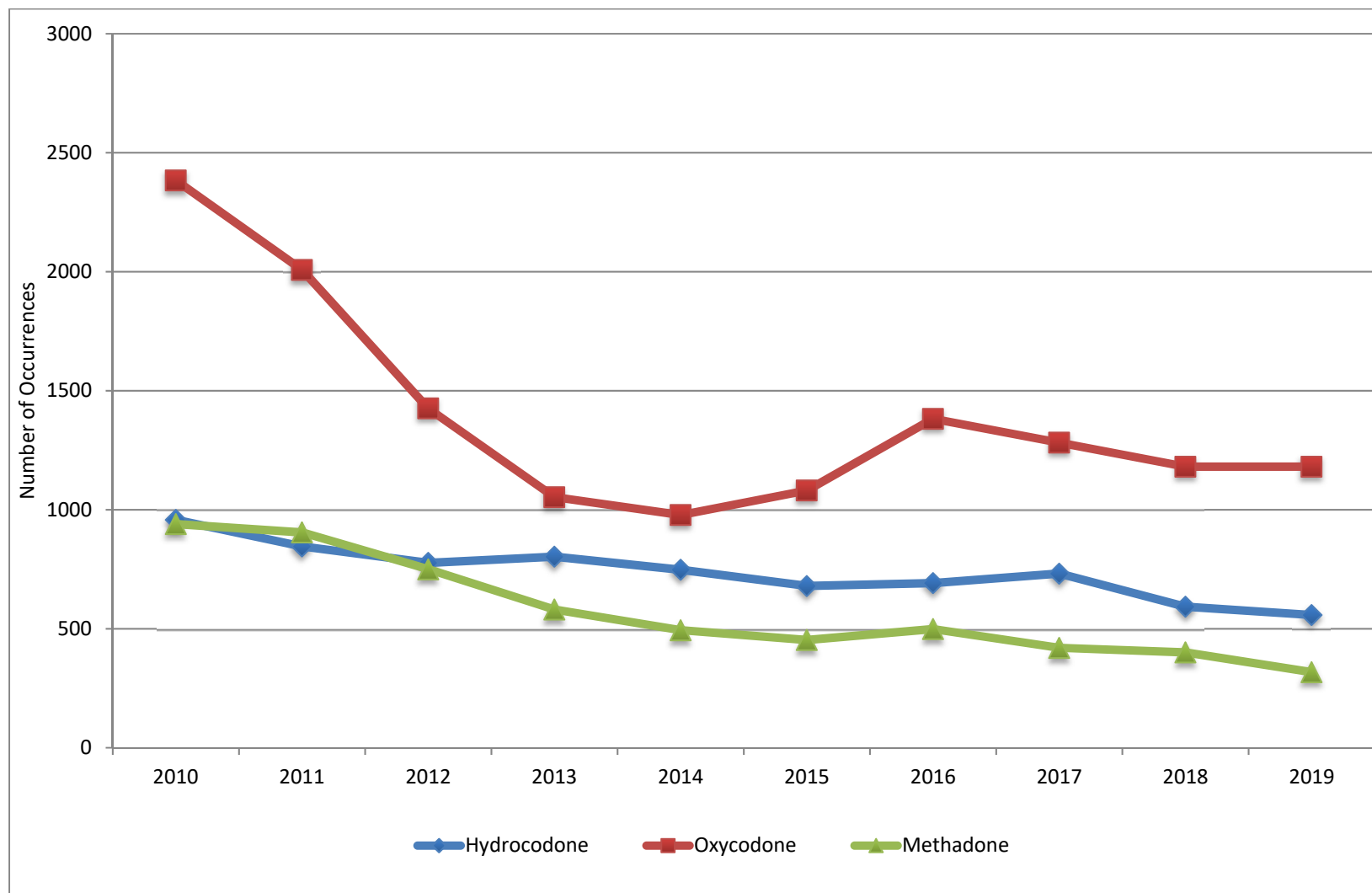
| Methadone Caused Death |     |       |       |       |     |  |
|------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent        |     |       |       |       |     |  |
| Total                  | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 14                     | 2   | 0     | 3     | 6     | 3   |  |
| 4                      | 0   | 0     | 1     | 2     | 1   |  |
| 1                      | 0   | 0     | 0     | 1     | 0   |  |
| 23                     | 0   | 0     | 5     | 13    | 5   |  |
| 5                      | 0   | 0     | 1     | 2     | 2   |  |
| 29                     | 1   | 1     | 5     | 10    | 12  |  |
| 3                      | 0   | 0     | 0     | 3     | 0   |  |
| 3                      | 0   | 0     | 1     | 1     | 1   |  |
| 6                      | 0   | 0     | 1     | 2     | 3   |  |
| 7                      | 0   | 0     | 1     | 3     | 3   |  |
| 3                      | 0   | 0     | 0     | 3     | 0   |  |
| 13                     | 0   | 0     | 3     | 7     | 3   |  |
| 16                     | 0   | 0     | 4     | 9     | 3   |  |
| 3                      | 0   | 1     | 0     | 1     | 1   |  |
| 6                      | 0   | 0     | 1     | 2     | 3   |  |
| 1                      | 0   | 0     | 0     | 0     | 1   |  |
| 10                     | 0   | 0     | 1     | 3     | 6   |  |
| 6                      | 0   | 0     | 0     | 6     | 0   |  |
| 2                      | 0   | 0     | 0     | 1     | 1   |  |
| 5                      | 0   | 1     | 0     | 2     | 2   |  |
| 5                      | 0   | 0     | 3     | 1     | 1   |  |
| 1                      | 0   | 0     | 1     | 0     | 0   |  |
| 5                      | 1   | 1     | 1     | 1     | 1   |  |
| 1                      | 0   | 1     | 0     | 0     | 0   |  |
| 2                      | 0   | 0     | 0     | 1     | 1   |  |
| 174                    | 4   | 5     | 32    | 80    | 53  |  |

| Methadone Present at Death |     |       |       |       |     |  |
|----------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent            |     |       |       |       |     |  |
| Total                      | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 7                          | 0   | 0     | 1     | 4     | 2   |  |
| 0                          | 0   | 0     | 0     | 0     | 0   |  |
| 1                          | 0   | 0     | 0     | 1     | 0   |  |
| 14                         | 0   | 0     | 1     | 5     | 8   |  |
| 2                          | 0   | 0     | 1     | 0     | 1   |  |
| 16                         | 0   | 0     | 4     | 3     | 9   |  |
| 3                          | 0   | 0     | 0     | 2     | 1   |  |
| 1                          | 0   | 0     | 1     | 0     | 0   |  |
| 11                         | 0   | 0     | 4     | 3     | 4   |  |
| 1                          | 0   | 0     | 0     | 0     | 1   |  |
| 7                          | 0   | 1     | 2     | 1     | 3   |  |
| 7                          | 0   | 1     | 0     | 0     | 6   |  |
| 14                         | 1   | 0     | 1     | 9     | 3   |  |
| 8                          | 0   | 0     | 0     | 2     | 6   |  |
| 15                         | 0   | 1     | 1     | 8     | 5   |  |
| 0                          | 0   | 0     | 0     | 0     | 0   |  |
| 3                          | 0   | 0     | 0     | 0     | 3   |  |
| 10                         | 0   | 0     | 2     | 5     | 3   |  |
| 5                          | 0   | 0     | 0     | 1     | 4   |  |
| 4                          | 0   | 0     | 1     | 2     | 1   |  |
| 3                          | 0   | 0     | 1     | 2     | 0   |  |
| 4                          | 0   | 0     | 2     | 1     | 1   |  |
| 3                          | 0   | 0     | 1     | 1     | 1   |  |
| 2                          | 0   | 0     | 0     | 1     | 1   |  |
| 3                          | 0   | 0     | 0     | 0     | 3   |  |
| 144                        | 1   | 3     | 23    | 51    | 66  |  |

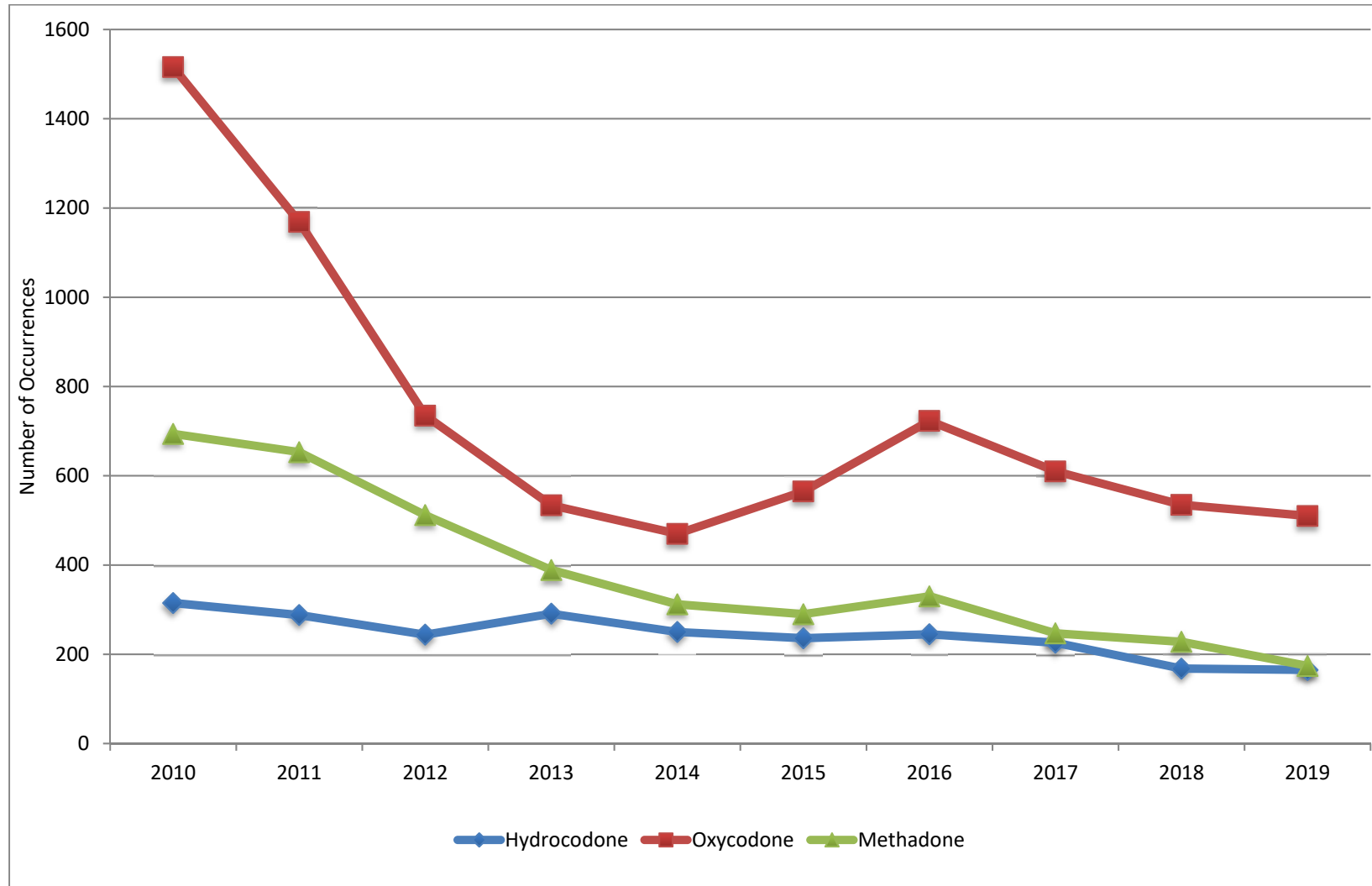
## Methadone Deaths by County 2019



## Historical Overview of Hydrocodone, Oxycodone and Methadone Occurrences (Present and Cause) 2010 to 2019



## Historical Overview of Deaths Caused by Hydrocodone, Oxycodone and Methadone 2010 to 2019



## Morphine Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 |
|-----------------------------------------------|-----------------|
| District                                      | Area of Florida |
| 1                                             | Pensacola       |
| 2                                             | Tallahassee     |
| 3                                             | Live Oak        |
| 4                                             | Jacksonville    |
| 5                                             | Leesburg        |
| 6                                             | St. Petersburg  |
| 7                                             | Daytona Beach   |
| 8                                             | Gainesville     |
| 9                                             | Orlando         |
| 10                                            | Lakeland        |
| 11                                            | Miami           |
| 12                                            | Sarasota        |
| 13                                            | Tampa           |
| 14                                            | Panama City     |
| 15                                            | West Palm Beach |
| 16                                            | Florida Keys    |
| 17                                            | Ft. Lauderdale  |
| 18                                            | Melbourne       |
| 19                                            | Ft. Pierce      |
| 20                                            | Naples          |
| 21                                            | Ft. Myers       |
| 22                                            | Port Charlotte  |
| 23                                            | St. Augustine   |
| 24                                            | Sanford         |
| 25                                            | Kissimmee       |
| <b>Statewide Totals</b>                       |                 |

| Total Deaths with Morphine |            |            |
|----------------------------|------------|------------|
| Total                      | Cause      | Present    |
| 74                         | 46         | 28         |
| 20                         | 4          | 16         |
| 6                          | 2          | 4          |
| 103                        | 64         | 39         |
| 90                         | 51         | 39         |
| 184                        | 135        | 49         |
| 64                         | 19         | 45         |
| 21                         | 9          | 12         |
| 151                        | 73         | 78         |
| 42                         | 10         | 32         |
| 154                        | 84         | 70         |
| 59                         | 22         | 37         |
| 133                        | 93         | 40         |
| 31                         | 5          | 26         |
| 264                        | 125        | 139        |
| 4                          | 3          | 1          |
| 164                        | 94         | 70         |
| 53                         | 31         | 22         |
| 30                         | 5          | 25         |
| 43                         | 25         | 18         |
| 61                         | 32         | 29         |
| 25                         | 1          | 24         |
| 16                         | 4          | 12         |
| 29                         | 21         | 8          |
| 34                         | 26         | 8          |
| <b>1,855</b>               | <b>984</b> | <b>871</b> |

| Deaths with Morphine Only |           |           |
|---------------------------|-----------|-----------|
| Total                     | Cause     | Present   |
| 4                         | 0         | 4         |
| 0                         | 0         | 0         |
| 0                         | 0         | 0         |
| 3                         | 0         | 3         |
| 5                         | 2         | 3         |
| 9                         | 3         | 6         |
| 3                         | 0         | 3         |
| 2                         | 0         | 2         |
| 17                        | 2         | 15        |
| 4                         | 0         | 4         |
| 8                         | 0         | 8         |
| 3                         | 1         | 2         |
| 12                        | 2         | 10        |
| 0                         | 0         | 0         |
| 8                         | 1         | 7         |
| 0                         | 0         | 0         |
| 7                         | 2         | 5         |
| 8                         | 5         | 3         |
| 1                         | 0         | 1         |
| 0                         | 0         | 0         |
| 1                         | 0         | 1         |
| 2                         | 0         | 2         |
| 1                         | 1         | 0         |
| 1                         | 0         | 1         |
| 4                         | 0         | 4         |
| <b>103</b>                | <b>19</b> | <b>84</b> |

| Deaths with Morphine in Combination with Other Drugs |            |            |
|------------------------------------------------------|------------|------------|
| Total                                                | Cause      | Present    |
| 70                                                   | 46         | 24         |
| 20                                                   | 4          | 16         |
| 6                                                    | 2          | 4          |
| 100                                                  | 64         | 36         |
| 85                                                   | 49         | 36         |
| 175                                                  | 132        | 43         |
| 61                                                   | 19         | 42         |
| 19                                                   | 9          | 10         |
| 134                                                  | 71         | 63         |
| 38                                                   | 10         | 28         |
| 146                                                  | 84         | 62         |
| 56                                                   | 21         | 35         |
| 121                                                  | 91         | 30         |
| 31                                                   | 5          | 26         |
| 256                                                  | 124        | 132        |
| 4                                                    | 3          | 1          |
| 157                                                  | 92         | 65         |
| 45                                                   | 26         | 19         |
| 29                                                   | 5          | 24         |
| 43                                                   | 25         | 18         |
| 60                                                   | 32         | 28         |
| 23                                                   | 1          | 22         |
| 15                                                   | 3          | 12         |
| 28                                                   | 21         | 7          |
| 30                                                   | 26         | 4          |
| <b>1,752</b>                                         | <b>965</b> | <b>787</b> |

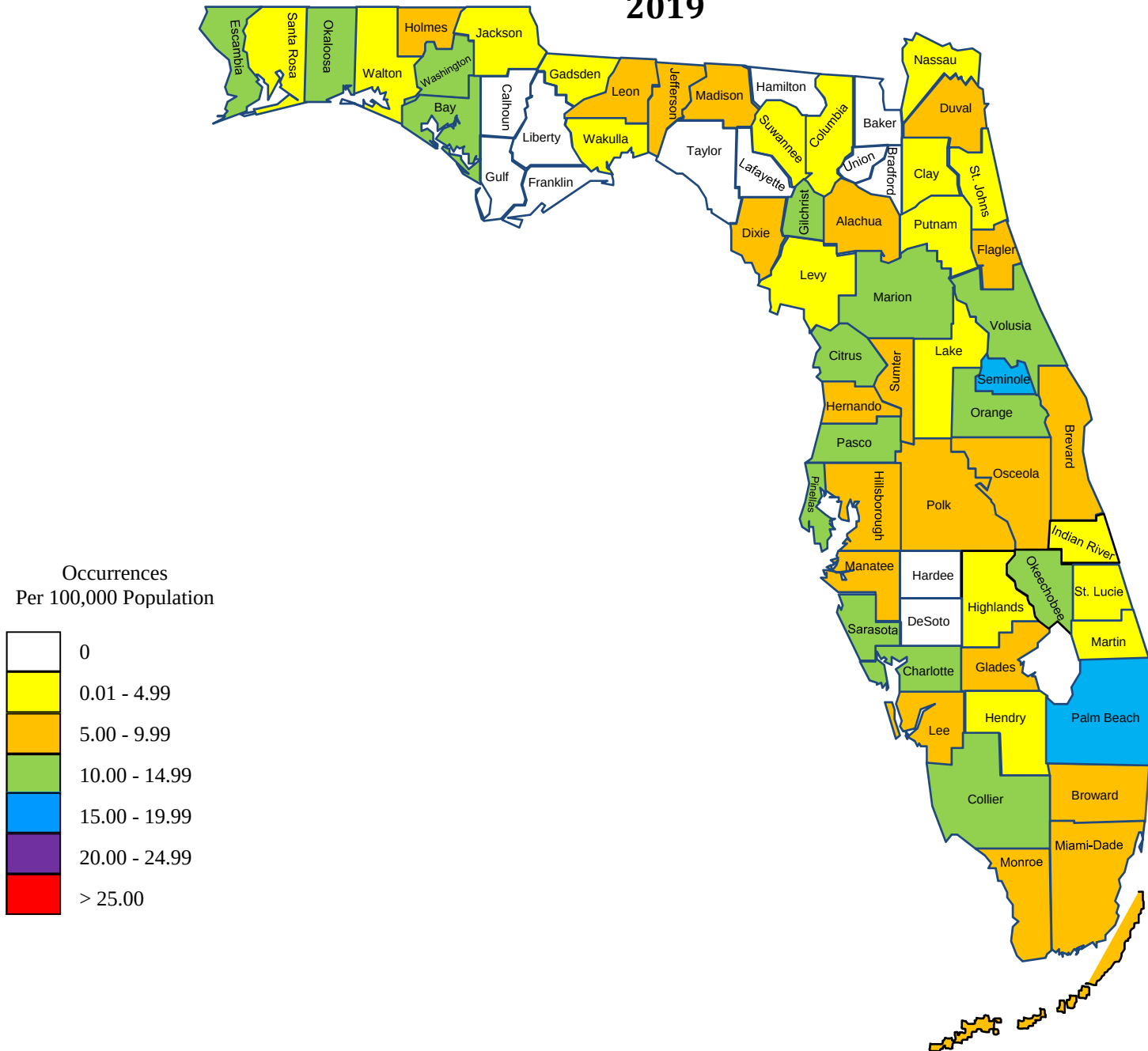
## Morphine Deaths by Age January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 74    |
| 2                                                | Tallahassee     | 20    |
| 3                                                | Live Oak        | 6     |
| 4                                                | Jacksonville    | 103   |
| 5                                                | Leesburg        | 90    |
| 6                                                | St. Petersburg  | 184   |
| 7                                                | Daytona Beach   | 64    |
| 8                                                | Gainesville     | 21    |
| 9                                                | Orlando         | 151   |
| 10                                               | Lakeland        | 42    |
| 11                                               | Miami           | 154   |
| 12                                               | Sarasota        | 59    |
| 13                                               | Tampa           | 133   |
| 14                                               | Panama City     | 31    |
| 15                                               | West Palm Beach | 264   |
| 16                                               | Florida Keys    | 4     |
| 17                                               | Ft. Lauderdale  | 164   |
| 18                                               | Melbourne       | 53    |
| 19                                               | Ft. Pierce      | 30    |
| 20                                               | Naples          | 43    |
| 21                                               | Ft. Myers       | 61    |
| 22                                               | Port Charlotte  | 25    |
| 23                                               | St. Augustine   | 16    |
| 24                                               | Sanford         | 29    |
| 25                                               | Kissimmee       | 34    |
| Statewide Totals                                 |                 | 1,855 |

| Morphine Caused Death |     |       |       |       |     |  |
|-----------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent       |     |       |       |       |     |  |
| Total                 | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 46                    | 1   | 1     | 12    | 21    | 11  |  |
| 4                     | 0   | 1     | 0     | 2     | 1   |  |
| 2                     | 0   | 0     | 0     | 1     | 1   |  |
| 64                    | 0   | 10    | 17    | 26    | 11  |  |
| 51                    | 0   | 2     | 18    | 12    | 19  |  |
| 135                   | 2   | 6     | 29    | 53    | 45  |  |
| 19                    | 0   | 1     | 5     | 7     | 6   |  |
| 9                     | 0   | 2     | 0     | 5     | 2   |  |
| 73                    | 1   | 5     | 18    | 31    | 18  |  |
| 10                    | 0   | 1     | 1     | 5     | 3   |  |
| 84                    | 0   | 8     | 17    | 32    | 27  |  |
| 22                    | 0   | 1     | 1     | 9     | 11  |  |
| 93                    | 0   | 8     | 20    | 36    | 29  |  |
| 5                     | 0   | 1     | 1     | 1     | 2   |  |
| 125                   | 0   | 17    | 35    | 47    | 26  |  |
| 3                     | 0   | 0     | 1     | 2     | 0   |  |
| 94                    | 0   | 7     | 24    | 36    | 27  |  |
| 31                    | 0   | 0     | 4     | 12    | 15  |  |
| 5                     | 0   | 0     | 1     | 1     | 3   |  |
| 25                    | 0   | 0     | 4     | 11    | 10  |  |
| 32                    | 0   | 5     | 5     | 13    | 9   |  |
| 1                     | 0   | 0     | 0     | 1     | 0   |  |
| 4                     | 0   | 0     | 1     | 1     | 2   |  |
| 21                    | 0   | 1     | 6     | 6     | 8   |  |
| 26                    | 0   | 3     | 4     | 11    | 8   |  |
| 984                   | 4   | 80    | 224   | 382   | 294 |  |

| Morphine Present at Death |     |       |       |       |     |  |
|---------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent           |     |       |       |       |     |  |
| Total                     | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 28                        | 0   | 2     | 5     | 9     | 12  |  |
| 16                        | 0   | 1     | 6     | 3     | 6   |  |
| 4                         | 0   | 0     | 0     | 1     | 3   |  |
| 39                        | 1   | 2     | 2     | 14    | 20  |  |
| 39                        | 0   | 2     | 6     | 13    | 18  |  |
| 49                        | 0   | 3     | 5     | 14    | 27  |  |
| 45                        | 1   | 3     | 13    | 15    | 13  |  |
| 12                        | 0   | 0     | 2     | 3     | 7   |  |
| 78                        | 2   | 4     | 5     | 12    | 55  |  |
| 32                        | 0   | 3     | 4     | 10    | 15  |  |
| 70                        | 0   | 7     | 13    | 19    | 31  |  |
| 37                        | 0   | 2     | 8     | 12    | 15  |  |
| 40                        | 0   | 1     | 2     | 16    | 21  |  |
| 26                        | 0   | 2     | 9     | 7     | 8   |  |
| 139                       | 0   | 7     | 48    | 41    | 43  |  |
| 1                         | 0   | 0     | 1     | 0     | 0   |  |
| 70                        | 1   | 4     | 18    | 32    | 15  |  |
| 22                        | 0   | 2     | 3     | 7     | 10  |  |
| 25                        | 0   | 2     | 5     | 8     | 10  |  |
| 18                        | 0   | 1     | 7     | 9     | 1   |  |
| 29                        | 1   | 0     | 5     | 9     | 14  |  |
| 24                        | 0   | 0     | 3     | 6     | 15  |  |
| 12                        | 0   | 3     | 2     | 4     | 3   |  |
| 8                         | 0   | 1     | 3     | 1     | 3   |  |
| 8                         | 0   | 2     | 1     | 1     | 4   |  |
| 871                       | 6   | 54    | 176   | 266   | 369 |  |

## Morphine Deaths by County 2019



## Fentanyl Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Fentanyl |       |         | Deaths with Fentanyl Only |       |         | Deaths with Fentanyl in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|----------------------------|-------|---------|---------------------------|-------|---------|------------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                      | Cause | Present | Total                     | Cause | Present | Total                                                | Cause | Present |
| 1                                             | Pensacola       | 103                        | 89    | 14      | 9                         | 7     | 2       | 94                                                   | 82    | 12      |
| 2                                             | Tallahassee     | 13                         | 6     | 7       | 2                         | 0     | 2       | 11                                                   | 6     | 5       |
| 3                                             | Live Oak        | 8                          | 5     | 3       | 0                         | 0     | 0       | 8                                                    | 5     | 3       |
| 4                                             | Jacksonville    | 430                        | 379   | 51      | 32                        | 26    | 6       | 398                                                  | 353   | 45      |
| 5                                             | Leesburg        | 130                        | 113   | 17      | 13                        | 8     | 5       | 117                                                  | 105   | 12      |
| 6                                             | St. Petersburg  | 338                        | 327   | 11      | 28                        | 27    | 1       | 310                                                  | 300   | 10      |
| 7                                             | Daytona Beach   | 119                        | 106   | 13      | 5                         | 4     | 1       | 114                                                  | 102   | 12      |
| 8                                             | Gainesville     | 22                         | 14    | 8       | 3                         | 1     | 2       | 19                                                   | 13    | 6       |
| 9                                             | Orlando         | 301                        | 243   | 58      | 21                        | 13    | 8       | 280                                                  | 230   | 50      |
| 10                                            | Lakeland        | 41                         | 36    | 5       | 6                         | 5     | 1       | 35                                                   | 31    | 4       |
| 11                                            | Miami           | 260                        | 227   | 33      | 4                         | 1     | 3       | 256                                                  | 226   | 30      |
| 12                                            | Sarasota        | 133                        | 121   | 12      | 13                        | 12    | 1       | 120                                                  | 109   | 11      |
| 13                                            | Tampa           | 148                        | 137   | 11      | 21                        | 20    | 1       | 127                                                  | 117   | 10      |
| 14                                            | Panama City     | 36                         | 23    | 13      | 3                         | 1     | 2       | 33                                                   | 22    | 11      |
| 15                                            | West Palm Beach | 434                        | 392   | 42      | 10                        | 6     | 4       | 424                                                  | 386   | 38      |
| 16                                            | Florida Keys    | 8                          | 7     | 1       | 1                         | 1     | 0       | 7                                                    | 6     | 1       |
| 17                                            | Ft. Lauderdale  | 378                        | 355   | 23      | 31                        | 27    | 4       | 347                                                  | 328   | 19      |
| 18                                            | Melbourne       | 234                        | 209   | 25      | 16                        | 14    | 2       | 218                                                  | 195   | 23      |
| 19                                            | Ft. Pierce      | 99                         | 78    | 21      | 8                         | 2     | 6       | 91                                                   | 76    | 15      |
| 20                                            | Naples          | 63                         | 61    | 2       | 1                         | 1     | 0       | 62                                                   | 60    | 2       |
| 21                                            | Ft. Myers       | 196                        | 177   | 19      | 17                        | 14    | 3       | 179                                                  | 163   | 16      |
| 22                                            | Port Charlotte  | 23                         | 19    | 4       | 0                         | 0     | 0       | 23                                                   | 19    | 4       |
| 23                                            | St. Augustine   | 37                         | 30    | 7       | 6                         | 4     | 2       | 31                                                   | 26    | 5       |
| 24                                            | Sanford         | 48                         | 44    | 4       | 3                         | 1     | 2       | 45                                                   | 43    | 2       |
| 25                                            | Kissimmee       | 53                         | 46    | 7       | 6                         | 4     | 2       | 47                                                   | 42    | 5       |
| Statewide Totals                              |                 | 3,655                      | 3,244 | 411     | 259                       | 199   | 60      | 3,396                                                | 3,045 | 351     |

## Fentanyl Deaths by Age

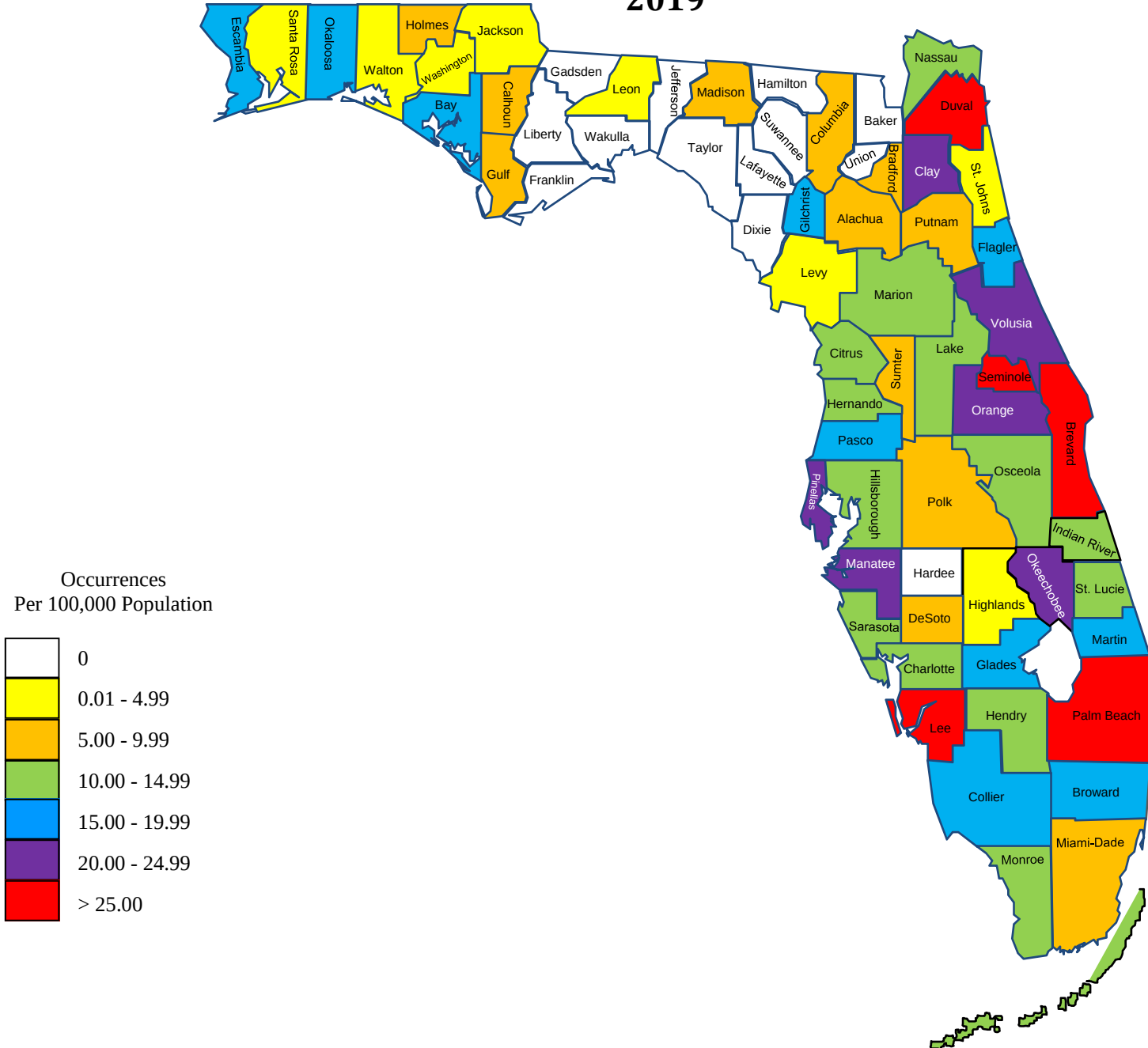
January – December 2019

| Medical Examiner District and Area of Florida |                 |       |
|-----------------------------------------------|-----------------|-------|
| District                                      | Area of Florida | Total |
| 1                                             | Pensacola       | 103   |
| 2                                             | Tallahassee     | 13    |
| 3                                             | Live Oak        | 8     |
| 4                                             | Jacksonville    | 430   |
| 5                                             | Leesburg        | 130   |
| 6                                             | St. Petersburg  | 338   |
| 7                                             | Daytona Beach   | 119   |
| 8                                             | Gainesville     | 22    |
| 9                                             | Orlando         | 301   |
| 10                                            | Lakeland        | 41    |
| 11                                            | Miami           | 260   |
| 12                                            | Sarasota        | 133   |
| 13                                            | Tampa           | 148   |
| 14                                            | Panama City     | 36    |
| 15                                            | West Palm Beach | 434   |
| 16                                            | Florida Keys    | 8     |
| 17                                            | Ft. Lauderdale  | 378   |
| 18                                            | Melbourne       | 234   |
| 19                                            | Ft. Pierce      | 99    |
| 20                                            | Naples          | 63    |
| 21                                            | Ft. Myers       | 196   |
| 22                                            | Port Charlotte  | 23    |
| 23                                            | St. Augustine   | 37    |
| 24                                            | Sanford         | 48    |
| 25                                            | Kissimmee       | 53    |
| Statewide Totals                              |                 | 3,655 |

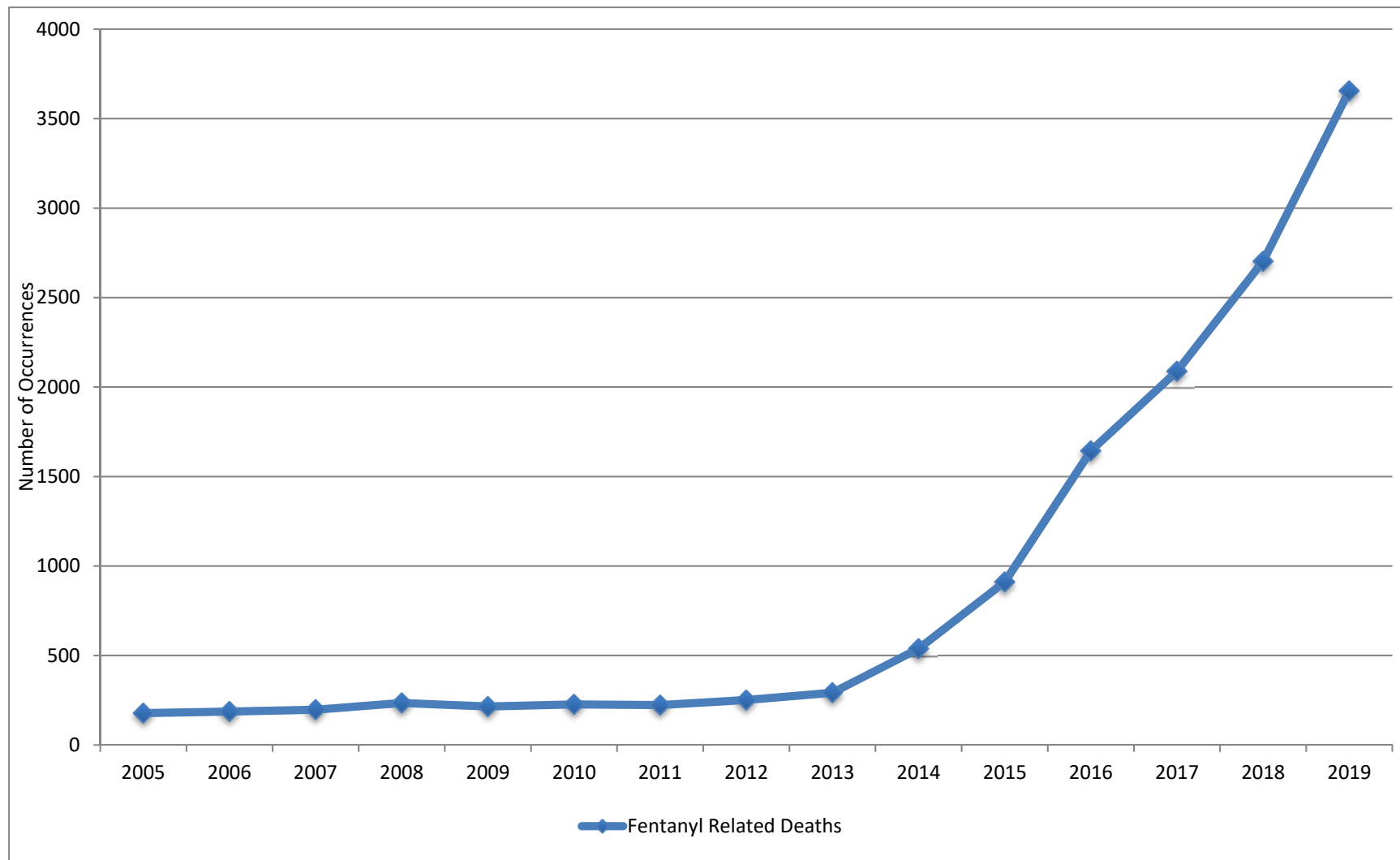
| Fentanyl Caused Death |     |       |       |       |     |
|-----------------------|-----|-------|-------|-------|-----|
| Age of Decedent       |     |       |       |       |     |
| Total                 | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 89                    | 1   | 4     | 26    | 42    | 16  |
| 6                     | 0   | 1     | 1     | 1     | 3   |
| 5                     | 0   | 0     | 1     | 3     | 1   |
| 379                   | 0   | 33    | 107   | 169   | 70  |
| 113                   | 0   | 10    | 38    | 43    | 22  |
| 327                   | 1   | 22    | 84    | 146   | 74  |
| 106                   | 0   | 9     | 37    | 44    | 16  |
| 14                    | 0   | 1     | 4     | 6     | 3   |
| 243                   | 2   | 24    | 58    | 100   | 59  |
| 36                    | 0   | 3     | 11    | 15    | 7   |
| 227                   | 0   | 25    | 49    | 93    | 60  |
| 121                   | 3   | 9     | 30    | 49    | 30  |
| 137                   | 0   | 7     | 43    | 54    | 33  |
| 23                    | 0   | 2     | 7     | 9     | 5   |
| 392                   | 2   | 49    | 132   | 144   | 65  |
| 7                     | 0   | 0     | 5     | 1     | 1   |
| 355                   | 2   | 40    | 72    | 161   | 80  |
| 209                   | 1   | 12    | 52    | 87    | 57  |
| 78                    | 0   | 9     | 22    | 28    | 19  |
| 61                    | 0   | 3     | 27    | 22    | 9   |
| 177                   | 1   | 15    | 51    | 75    | 35  |
| 19                    | 0   | 0     | 7     | 9     | 3   |
| 30                    | 0   | 6     | 8     | 12    | 4   |
| 44                    | 0   | 1     | 21    | 15    | 7   |
| 46                    | 0   | 6     | 8     | 20    | 12  |
| 3,244                 | 13  | 291   | 901   | 1,348 | 691 |

| Fentanyl Present at Death |     |       |       |       |     |
|---------------------------|-----|-------|-------|-------|-----|
| Age of Decedent           |     |       |       |       |     |
| Total                     | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 14                        | 0   | 1     | 4     | 3     | 6   |
| 7                         | 1   | 1     | 2     | 1     | 2   |
| 3                         | 0   | 0     | 0     | 2     | 1   |
| 51                        | 1   | 2     | 12    | 16    | 20  |
| 17                        | 0   | 1     | 5     | 5     | 6   |
| 11                        | 0   | 0     | 1     | 5     | 5   |
| 13                        | 1   | 1     | 2     | 3     | 6   |
| 8                         | 0   | 0     | 1     | 1     | 6   |
| 58                        | 2   | 4     | 11    | 19    | 22  |
| 5                         | 0   | 0     | 1     | 2     | 2   |
| 33                        | 1   | 2     | 8     | 8     | 14  |
| 12                        | 0   | 0     | 4     | 8     | 0   |
| 11                        | 0   | 0     | 1     | 3     | 7   |
| 13                        | 0   | 0     | 7     | 3     | 3   |
| 42                        | 0   | 8     | 9     | 12    | 13  |
| 1                         | 0   | 0     | 0     | 1     | 0   |
| 23                        | 1   | 2     | 4     | 7     | 9   |
| 25                        | 1   | 1     | 5     | 8     | 10  |
| 21                        | 0   | 2     | 1     | 9     | 9   |
| 2                         | 0   | 0     | 0     | 2     | 0   |
| 19                        | 2   | 1     | 5     | 3     | 8   |
| 4                         | 0   | 0     | 1     | 1     | 2   |
| 7                         | 0   | 0     | 3     | 0     | 4   |
| 4                         | 0   | 1     | 1     | 1     | 1   |
| 7                         | 1   | 0     | 2     | 0     | 4   |
| 411                       | 11  | 27    | 90    | 123   | 160 |

## Fentanyl Deaths by County 2019



## Historical Overview of Fentanyl Occurrences<sup>1</sup> (Present and Cause) 2005 to 2019



<sup>1</sup>Prior to 2016, the number of fentanyl occurrences indicated includes occurrences of fentanyl analogs. Starting in 2016, fentanyl analogs were tracked separately.

## Prescription Drugs in Medical Examiner Deaths

2018 versus 2019

| Medical Examiner District and Area of Florida                                                                                                                         |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| District                                                                                                                                                              | Area of Florida |
| 1                                                                                                                                                                     | Pensacola       |
| 2                                                                                                                                                                     | Tallahassee     |
| 3                                                                                                                                                                     | Live Oak        |
| 4                                                                                                                                                                     | Jacksonville    |
| 5                                                                                                                                                                     | Leesburg        |
| 6                                                                                                                                                                     | St. Petersburg  |
| 7                                                                                                                                                                     | Daytona Beach   |
| 8                                                                                                                                                                     | Gainesville     |
| 9                                                                                                                                                                     | Orlando         |
| 10                                                                                                                                                                    | Lakeland        |
| 11                                                                                                                                                                    | Miami           |
| 12                                                                                                                                                                    | Sarasota        |
| 13                                                                                                                                                                    | Tampa           |
| 14                                                                                                                                                                    | Panama City     |
| 15                                                                                                                                                                    | West Palm Beach |
| 16                                                                                                                                                                    | Florida Keys    |
| 17                                                                                                                                                                    | Ft. Lauderdale  |
| 18                                                                                                                                                                    | Melbourne       |
| 19                                                                                                                                                                    | Ft. Pierce      |
| 20                                                                                                                                                                    | Naples          |
| 21                                                                                                                                                                    | Ft. Myers       |
| 22                                                                                                                                                                    | Port Charlotte  |
| 23                                                                                                                                                                    | St. Augustine   |
| 24                                                                                                                                                                    | Sanford         |
| 25                                                                                                                                                                    | Kissimmee       |
| <b>Statewide Totals</b>                                                                                                                                               |                 |
| <i>These tables are based on prescription drugs tracked by the Medical Examiners Commission and reported by Florida Medical Examiners. Do not add across columns.</i> |                 |

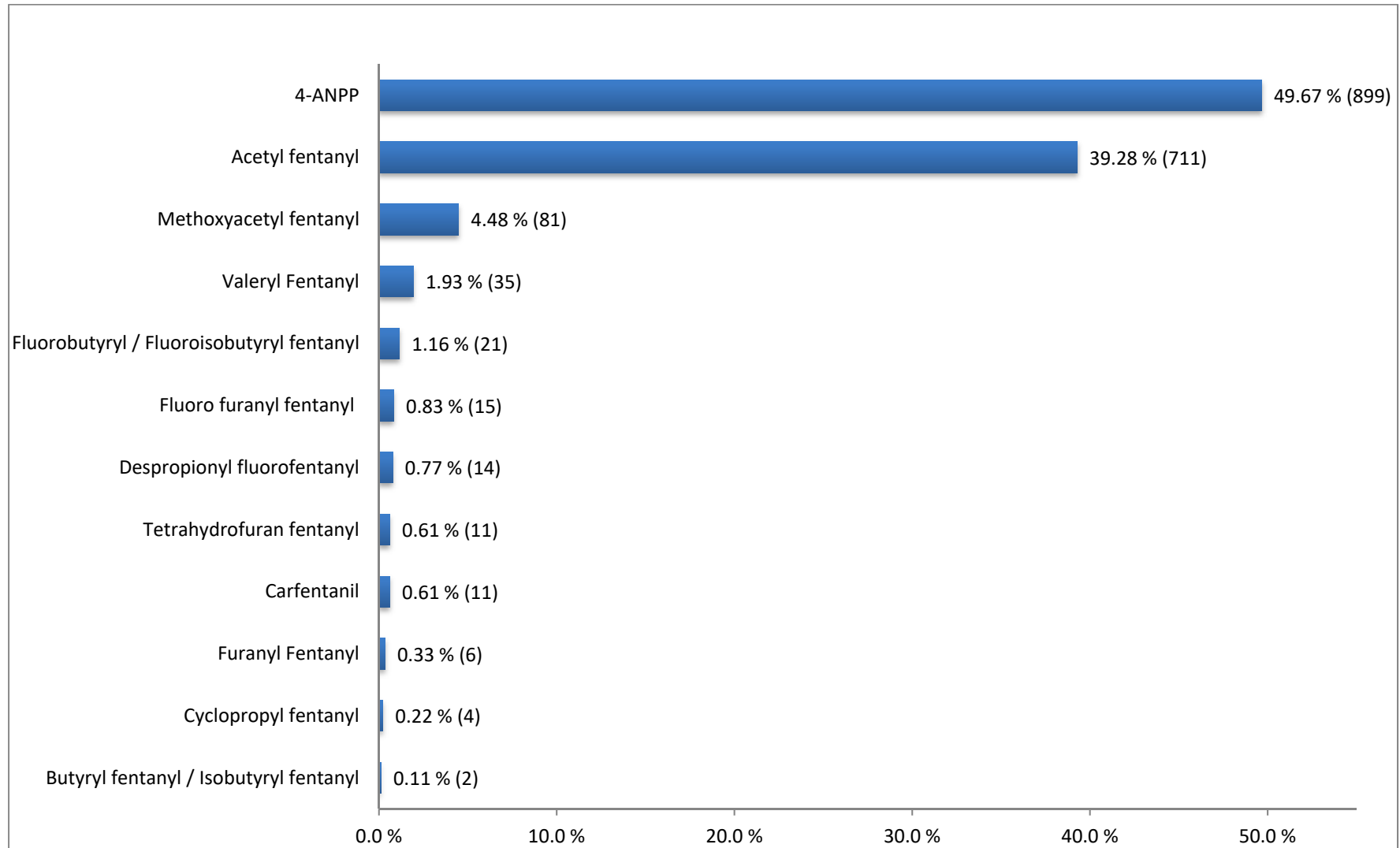
| Total Prescription Drug Deaths in ME Deaths (Present and Cause)                                                                                                                                                                             |              |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 2018                                                                                                                                                                                                                                        | 2019         | Percent Change |
| 212                                                                                                                                                                                                                                         | 223          | 5.2%           |
| 80                                                                                                                                                                                                                                          | 73           | -8.8%          |
| 49                                                                                                                                                                                                                                          | 34           | -30.6%         |
| 552                                                                                                                                                                                                                                         | 676          | 22.5%          |
| 353                                                                                                                                                                                                                                         | 327          | -7.4%          |
| 591                                                                                                                                                                                                                                         | 695          | 17.6%          |
| 233                                                                                                                                                                                                                                         | 236          | 1.3%           |
| 88                                                                                                                                                                                                                                          | 87           | -1.1%          |
| 510                                                                                                                                                                                                                                         | 547          | 7.3%           |
| 187                                                                                                                                                                                                                                         | 192          | 2.7%           |
| 516                                                                                                                                                                                                                                         | 615          | 19.2%          |
| 217                                                                                                                                                                                                                                         | 289          | 33.2%          |
| 417                                                                                                                                                                                                                                         | 399          | -4.3%          |
| 117                                                                                                                                                                                                                                         | 139          | 18.8%          |
| 659                                                                                                                                                                                                                                         | 687          | 4.2%           |
| 24                                                                                                                                                                                                                                          | 27           | 12.5%          |
| 464                                                                                                                                                                                                                                         | 548          | 18.1%          |
| 345                                                                                                                                                                                                                                         | 364          | 5.5%           |
| 248                                                                                                                                                                                                                                         | 190          | -23.4%         |
| 101                                                                                                                                                                                                                                         | 122          | 20.8%          |
| 324                                                                                                                                                                                                                                         | 319          | -1.5%          |
| 76                                                                                                                                                                                                                                          | 64           | -15.8%         |
| 87                                                                                                                                                                                                                                          | 88           | 1.1%           |
| 109                                                                                                                                                                                                                                         | 93           | -14.7%         |
| 142                                                                                                                                                                                                                                         | 108          | -23.9%         |
| <b>6,701</b>                                                                                                                                                                                                                                | <b>7,142</b> | <b>6.6%</b>    |
| <i>These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.</i> |              |                |

| Accidental Deaths with Prescription Drugs (Present and Cause)                                                                                                                                                                                                                                                   |              |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 2018                                                                                                                                                                                                                                                                                                            | 2019         | Percent Change |
| 143                                                                                                                                                                                                                                                                                                             | 164          | 14.7%          |
| 31                                                                                                                                                                                                                                                                                                              | 39           | 25.8%          |
| 25                                                                                                                                                                                                                                                                                                              | 18           | -28.0%         |
| 382                                                                                                                                                                                                                                                                                                             | 489          | 28.0%          |
| 221                                                                                                                                                                                                                                                                                                             | 214          | -3.2%          |
| 406                                                                                                                                                                                                                                                                                                             | 540          | 33.0%          |
| 174                                                                                                                                                                                                                                                                                                             | 165          | -5.2%          |
| 45                                                                                                                                                                                                                                                                                                              | 52           | 15.6%          |
| 357                                                                                                                                                                                                                                                                                                             | 398          | 11.5%          |
| 116                                                                                                                                                                                                                                                                                                             | 110          | -5.2%          |
| 297                                                                                                                                                                                                                                                                                                             | 378          | 27.3%          |
| 133                                                                                                                                                                                                                                                                                                             | 204          | 53.4%          |
| 259                                                                                                                                                                                                                                                                                                             | 250          | -3.5%          |
| 53                                                                                                                                                                                                                                                                                                              | 86           | 62.3%          |
| 472                                                                                                                                                                                                                                                                                                             | 522          | 10.6%          |
| 16                                                                                                                                                                                                                                                                                                              | 17           | 6.3%           |
| 375                                                                                                                                                                                                                                                                                                             | 453          | 20.8%          |
| 233                                                                                                                                                                                                                                                                                                             | 279          | 19.7%          |
| 150                                                                                                                                                                                                                                                                                                             | 126          | -16.0%         |
| 56                                                                                                                                                                                                                                                                                                              | 85           | 51.8%          |
| 262                                                                                                                                                                                                                                                                                                             | 236          | -9.9%          |
| 36                                                                                                                                                                                                                                                                                                              | 42           | 16.7%          |
| 45                                                                                                                                                                                                                                                                                                              | 57           | 26.7%          |
| 80                                                                                                                                                                                                                                                                                                              | 71           | -11.3%         |
| 100                                                                                                                                                                                                                                                                                                             | 72           | -28.0%         |
| <b>4,467</b>                                                                                                                                                                                                                                                                                                    | <b>5,067</b> | <b>13.4%</b>   |
| <i>The manner of death for these decedents was reported as accidental. These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.</i> |              |                |

| Accidental Deaths Caused by Prescription Drugs                                                                                                                                                                                                                                             |              |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 2018                                                                                                                                                                                                                                                                                       | 2019         | Percent Change |
| 109                                                                                                                                                                                                                                                                                        | 126          | 15.6%          |
| 14                                                                                                                                                                                                                                                                                         | 19           | 35.7%          |
| 19                                                                                                                                                                                                                                                                                         | 10           | -47.4%         |
| 314                                                                                                                                                                                                                                                                                        | 424          | 35.0%          |
| 155                                                                                                                                                                                                                                                                                        | 170          | 9.7%           |
| 332                                                                                                                                                                                                                                                                                        | 473          | 42.5%          |
| 141                                                                                                                                                                                                                                                                                        | 127          | -9.9%          |
| 27                                                                                                                                                                                                                                                                                         | 28           | 3.7%           |
| 260                                                                                                                                                                                                                                                                                        | 288          | 10.8%          |
| 68                                                                                                                                                                                                                                                                                         | 62           | -8.8%          |
| 197                                                                                                                                                                                                                                                                                        | 259          | 31.5%          |
| 101                                                                                                                                                                                                                                                                                        | 162          | 60.4%          |
| 204                                                                                                                                                                                                                                                                                        | 208          | 2.0%           |
| 21                                                                                                                                                                                                                                                                                         | 42           | 100.0%         |
| 364                                                                                                                                                                                                                                                                                        | 452          | 24.2%          |
| 10                                                                                                                                                                                                                                                                                         | 14           | 40.0%          |
| 332                                                                                                                                                                                                                                                                                        | 407          | 22.6%          |
| 201                                                                                                                                                                                                                                                                                        | 247          | 22.9%          |
| 104                                                                                                                                                                                                                                                                                        | 94           | -9.6%          |
| 46                                                                                                                                                                                                                                                                                         | 71           | 54.3%          |
| 221                                                                                                                                                                                                                                                                                        | 199          | -10.0%         |
| 11                                                                                                                                                                                                                                                                                         | 21           | 90.9%          |
| 28                                                                                                                                                                                                                                                                                         | 42           | 50.0%          |
| 73                                                                                                                                                                                                                                                                                         | 55           | -24.7%         |
| 73                                                                                                                                                                                                                                                                                         | 58           | -20.5%         |
| <b>3,425</b>                                                                                                                                                                                                                                                                               | <b>4,058</b> | <b>18.5%</b>   |
| <i>The manner of death for these decedents was reported as accidental. These individuals died with at least one prescription drug in their system that was identified as causing or contributing to the death. These drugs may also have been mixed with illicit drugs and/or alcohol.</i> |              |                |

## Frequency of Occurrence of Fentanyl Analogs

January – December 2019



*Note: Fluorobutyryl / Fluoroisobutyryl fentanyl includes the analytes para-fluoroisobutyryl fentanyl, para-fluorobutyryl fentanyl, fluoroisobutyryl fentanyl and fluorobutyryl fentanyl. Fluorofentanyl includes the analytes fluorofentanyl, ortho-fluorofentanyl and para-fluorofentanyl. Despropionyl fluorofentanyl includes the analytes despropionyl fluorofentanyl, despropionyl ortho-fluorofentanyl and despropionyl para-fluorofentanyl. Percentages may not sum to 100 percent because of rounding.*

## Fentanyl Analog Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Fentanyl Analogs |       |         | Deaths with Fentanyl Analogs Only |       |         | Deaths with Fentanyl Analogs in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|------------------------------------|-------|---------|-----------------------------------|-------|---------|--------------------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                              | Cause | Present | Total                             | Cause | Present | Total                                                        | Cause | Present |
| 1                                             | Pensacola       | 6                                  | 6     | 0       | 0                                 | 0     | 0       | 6                                                            | 6     | 0       |
| 2                                             | Tallahassee     | 1                                  | 1     | 0       | 0                                 | 0     | 0       | 1                                                            | 1     | 0       |
| 3                                             | Live Oak        | 3                                  | 1     | 2       | 0                                 | 0     | 0       | 3                                                            | 1     | 2       |
| 4                                             | Jacksonville    | 194                                | 146   | 48      | 0                                 | 0     | 0       | 194                                                          | 146   | 48      |
| 5                                             | Leesburg        | 20                                 | 19    | 1       | 0                                 | 0     | 0       | 20                                                           | 19    | 1       |
| 6                                             | St. Petersburg  | 92                                 | 74    | 18      | 3                                 | 3     | 0       | 89                                                           | 71    | 18      |
| 7                                             | Daytona Beach   | 59                                 | 25    | 34      | 0                                 | 0     | 0       | 59                                                           | 25    | 34      |
| 8                                             | Gainesville     | 0                                  | 0     | 0       | 0                                 | 0     | 0       | 0                                                            | 0     | 0       |
| 9                                             | Orlando         | 122                                | 23    | 99      | 0                                 | 0     | 0       | 122                                                          | 23    | 99      |
| 10                                            | Lakeland        | 6                                  | 5     | 1       | 0                                 | 0     | 0       | 6                                                            | 5     | 1       |
| 11                                            | Miami           | 155                                | 113   | 42      | 0                                 | 0     | 0       | 155                                                          | 113   | 42      |
| 12                                            | Sarasota        | 30                                 | 12    | 18      | 0                                 | 0     | 0       | 30                                                           | 12    | 18      |
| 13                                            | Tampa           | 5                                  | 4     | 1       | 1                                 | 1     | 0       | 4                                                            | 3     | 1       |
| 14                                            | Panama City     | 21                                 | 18    | 3       | 0                                 | 0     | 0       | 21                                                           | 18    | 3       |
| 15                                            | West Palm Beach | 337                                | 235   | 102     | 0                                 | 0     | 0       | 337                                                          | 235   | 102     |
| 16                                            | Florida Keys    | 3                                  | 1     | 2       | 0                                 | 0     | 0       | 3                                                            | 1     | 2       |
| 17                                            | Ft. Lauderdale  | 124                                | 123   | 1       | 0                                 | 0     | 0       | 124                                                          | 123   | 1       |
| 18                                            | Melbourne       | 56                                 | 42    | 14      | 0                                 | 0     | 0       | 56                                                           | 42    | 14      |
| 19                                            | Ft. Pierce      | 42                                 | 15    | 27      | 0                                 | 0     | 0       | 42                                                           | 15    | 27      |
| 20                                            | Naples          | 17                                 | 15    | 2       | 0                                 | 0     | 0       | 17                                                           | 15    | 2       |
| 21                                            | Ft. Myers       | 92                                 | 31    | 61      | 0                                 | 0     | 0       | 92                                                           | 31    | 61      |
| 22                                            | Port Charlotte  | 0                                  | 0     | 0       | 0                                 | 0     | 0       | 0                                                            | 0     | 0       |
| 23                                            | St. Augustine   | 5                                  | 5     | 0       | 0                                 | 0     | 0       | 5                                                            | 5     | 0       |
| 24                                            | Sanford         | 2                                  | 2     | 0       | 0                                 | 0     | 0       | 2                                                            | 2     | 0       |
| 25                                            | Kissimmee       | 26                                 | 6     | 20      | 0                                 | 0     | 0       | 26                                                           | 6     | 20      |
| Statewide Totals                              |                 | 1,418                              | 922   | 496     | 4                                 | 4     | 0       | 1,414                                                        | 918   | 496     |

## Fentanyl Analog Deaths by Age

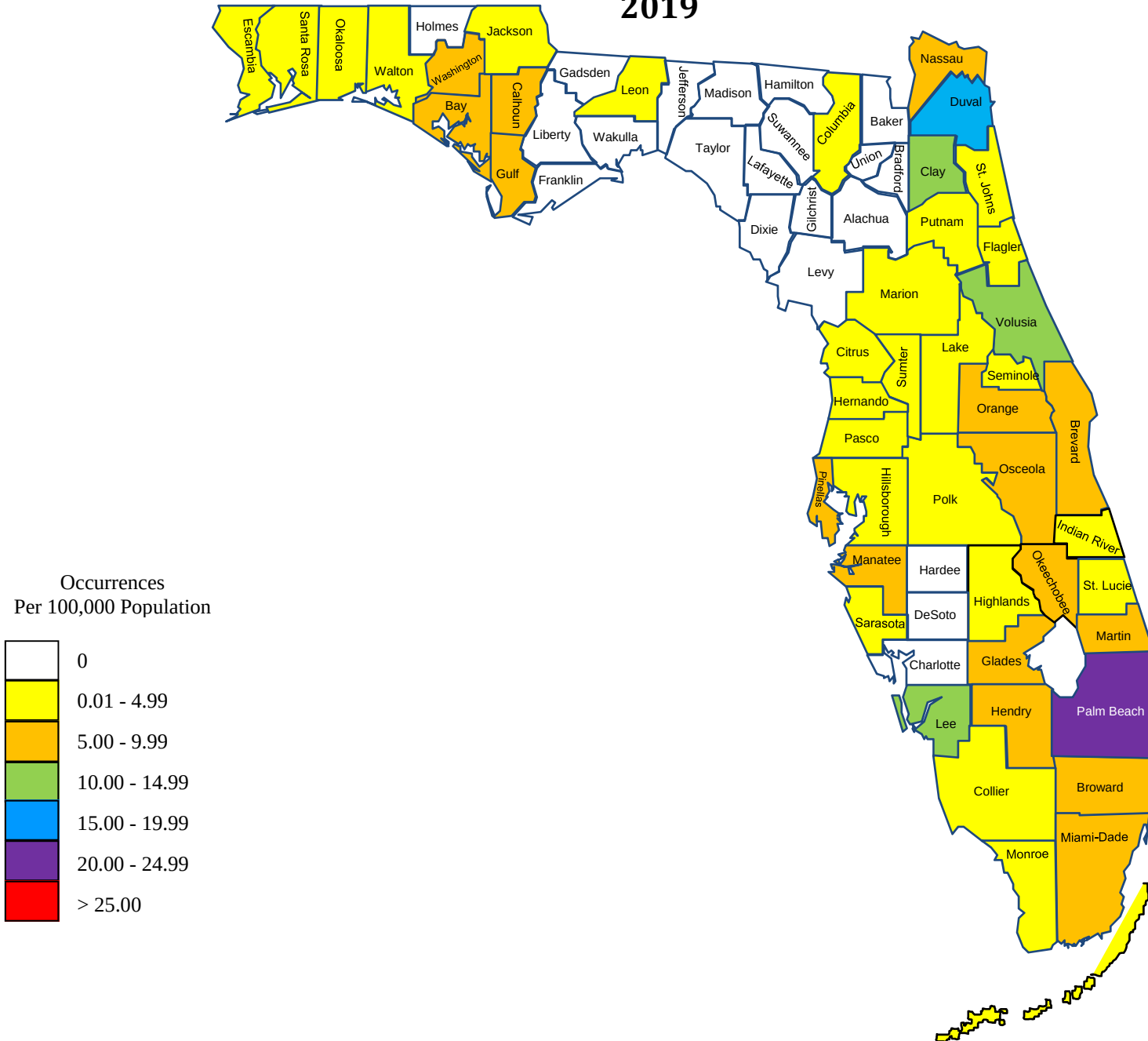
January – December 2019

| Medical Examiner District and Area of Florida |                 |       |
|-----------------------------------------------|-----------------|-------|
| District                                      | Area of Florida | Total |
| 1                                             | Pensacola       | 6     |
| 2                                             | Tallahassee     | 1     |
| 3                                             | Live Oak        | 3     |
| 4                                             | Jacksonville    | 194   |
| 5                                             | Leesburg        | 20    |
| 6                                             | St. Petersburg  | 92    |
| 7                                             | Daytona Beach   | 59    |
| 8                                             | Gainesville     | 0     |
| 9                                             | Orlando         | 122   |
| 10                                            | Lakeland        | 6     |
| 11                                            | Miami           | 155   |
| 12                                            | Sarasota        | 30    |
| 13                                            | Tampa           | 5     |
| 14                                            | Panama City     | 21    |
| 15                                            | West Palm Beach | 337   |
| 16                                            | Florida Keys    | 3     |
| 17                                            | Ft. Lauderdale  | 124   |
| 18                                            | Melbourne       | 56    |
| 19                                            | Ft. Pierce      | 42    |
| 20                                            | Naples          | 17    |
| 21                                            | Ft. Myers       | 92    |
| 22                                            | Port Charlotte  | 0     |
| 23                                            | St. Augustine   | 5     |
| 24                                            | Sanford         | 2     |
| 25                                            | Kissimmee       | 26    |
| Statewide Totals                              |                 | 1,418 |

| Fentanyl Analogs Caused Death |     |       |       |       |     |
|-------------------------------|-----|-------|-------|-------|-----|
| Age of Decedent               |     |       |       |       |     |
| Total                         | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 6                             | 0   | 0     | 0     | 4     | 2   |
| 1                             | 0   | 0     | 0     | 1     | 0   |
| 1                             | 0   | 0     | 0     | 1     | 0   |
| 146                           | 0   | 8     | 35    | 71    | 32  |
| 19                            | 0   | 1     | 5     | 11    | 2   |
| 74                            | 0   | 3     | 16    | 39    | 16  |
| 25                            | 0   | 2     | 8     | 9     | 6   |
| 0                             | 0   | 0     | 0     | 0     | 0   |
| 23                            | 1   | 3     | 5     | 10    | 4   |
| 5                             | 0   | 0     | 2     | 1     | 2   |
| 113                           | 0   | 7     | 22    | 55    | 29  |
| 12                            | 1   | 2     | 3     | 2     | 4   |
| 4                             | 0   | 1     | 0     | 1     | 2   |
| 18                            | 0   | 2     | 5     | 8     | 3   |
| 235                           | 1   | 31    | 79    | 86    | 38  |
| 1                             | 0   | 0     | 1     | 0     | 0   |
| 123                           | 1   | 16    | 23    | 59    | 24  |
| 42                            | 0   | 2     | 14    | 13    | 13  |
| 15                            | 0   | 2     | 2     | 7     | 4   |
| 15                            | 0   | 1     | 6     | 7     | 1   |
| 31                            | 0   | 4     | 6     | 15    | 6   |
| 0                             | 0   | 0     | 0     | 0     | 0   |
| 5                             | 0   | 1     | 1     | 2     | 1   |
| 2                             | 0   | 0     | 1     | 1     | 0   |
| 6                             | 0   | 1     | 2     | 1     | 2   |
| 922                           | 4   | 87    | 236   | 404   | 191 |

| Fentanyl Analogs Present at Death |     |       |       |       |     |
|-----------------------------------|-----|-------|-------|-------|-----|
| Age of Decedent                   |     |       |       |       |     |
| Total                             | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 2                                 | 0   | 0     | 0     | 1     | 1   |
| 48                                | 0   | 6     | 11    | 22    | 9   |
| 1                                 | 0   | 0     | 0     | 0     | 1   |
| 18                                | 0   | 1     | 6     | 11    | 0   |
| 34                                | 0   | 3     | 14    | 15    | 2   |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 99                                | 1   | 5     | 31    | 36    | 26  |
| 1                                 | 0   | 0     | 0     | 0     | 1   |
| 42                                | 0   | 6     | 13    | 11    | 12  |
| 18                                | 0   | 2     | 6     | 9     | 1   |
| 1                                 | 0   | 0     | 0     | 1     | 0   |
| 3                                 | 0   | 0     | 2     | 1     | 0   |
| 102                               | 0   | 13    | 40    | 40    | 9   |
| 2                                 | 0   | 0     | 0     | 2     | 0   |
| 1                                 | 0   | 0     | 1     | 0     | 0   |
| 14                                | 0   | 1     | 3     | 6     | 4   |
| 27                                | 0   | 3     | 8     | 12    | 4   |
| 2                                 | 0   | 0     | 1     | 1     | 0   |
| 61                                | 1   | 5     | 21    | 24    | 10  |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 0                                 | 0   | 0     | 0     | 0     | 0   |
| 20                                | 0   | 2     | 4     | 10    | 4   |
| 496                               | 2   | 47    | 161   | 202   | 84  |

## Fentanyl Analog Deaths by County 2019



## Cocaine Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Cocaine |       |         | Deaths with Cocaine Only |       |         | Deaths with Cocaine in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|---------------------------|-------|---------|--------------------------|-------|---------|-----------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                     | Cause | Present | Total                    | Cause | Present | Total                                               | Cause | Present |
| 1                                             | Pensacola       | 73                        | 51    | 22      | 15                       | 11    | 4       | 58                                                  | 40    | 18      |
| 2                                             | Tallahassee     | 20                        | 16    | 4       | 10                       | 10    | 0       | 10                                                  | 6     | 4       |
| 3                                             | Live Oak        | 7                         | 2     | 5       | 0                        | 0     | 0       | 7                                                   | 2     | 5       |
| 4                                             | Jacksonville    | 279                       | 182   | 97      | 25                       | 9     | 16      | 254                                                 | 173   | 81      |
| 5                                             | Leesburg        | 77                        | 59    | 18      | 8                        | 5     | 3       | 69                                                  | 54    | 15      |
| 6                                             | St. Petersburg  | 250                       | 171   | 79      | 21                       | 13    | 8       | 229                                                 | 158   | 71      |
| 7                                             | Daytona Beach   | 76                        | 35    | 41      | 13                       | 5     | 8       | 63                                                  | 30    | 33      |
| 8                                             | Gainesville     | 46                        | 21    | 25      | 10                       | 3     | 7       | 36                                                  | 18    | 18      |
| 9                                             | Orlando         | 265                       | 182   | 83      | 46                       | 22    | 24      | 219                                                 | 160   | 59      |
| 10                                            | Lakeland        | 50                        | 36    | 14      | 11                       | 9     | 2       | 39                                                  | 27    | 12      |
| 11                                            | Miami           | 418                       | 256   | 162     | 46                       | 22    | 24      | 372                                                 | 234   | 138     |
| 12                                            | Sarasota        | 117                       | 68    | 49      | 10                       | 6     | 4       | 107                                                 | 62    | 45      |
| 13                                            | Tampa           | 140                       | 78    | 62      | 38                       | 21    | 17      | 102                                                 | 57    | 45      |
| 14                                            | Panama City     | 30                        | 18    | 12      | 4                        | 3     | 1       | 26                                                  | 15    | 11      |
| 15                                            | West Palm Beach | 343                       | 142   | 201     | 28                       | 11    | 17      | 315                                                 | 131   | 184     |
| 16                                            | Florida Keys    | 15                        | 12    | 3       | 2                        | 2     | 0       | 13                                                  | 10    | 3       |
| 17                                            | Ft. Lauderdale  | 277                       | 204   | 73      | 25                       | 17    | 8       | 252                                                 | 187   | 65      |
| 18                                            | Melbourne       | 130                       | 93    | 37      | 7                        | 5     | 2       | 123                                                 | 88    | 35      |
| 19                                            | Ft. Pierce      | 66                        | 36    | 30      | 7                        | 3     | 4       | 59                                                  | 33    | 26      |
| 20                                            | Naples          | 61                        | 47    | 14      | 7                        | 4     | 3       | 54                                                  | 43    | 11      |
| 21                                            | Ft. Myers       | 98                        | 51    | 47      | 8                        | 2     | 6       | 90                                                  | 49    | 41      |
| 22                                            | Port Charlotte  | 12                        | 10    | 2       | 1                        | 1     | 0       | 11                                                  | 9     | 2       |
| 23                                            | St. Augustine   | 24                        | 9     | 15      | 3                        | 1     | 2       | 21                                                  | 8     | 13      |
| 24                                            | Sanford         | 44                        | 31    | 13      | 3                        | 2     | 1       | 41                                                  | 29    | 12      |
| 25                                            | Kissimmee       | 44                        | 33    | 11      | 9                        | 6     | 3       | 35                                                  | 27    | 8       |
| Statewide Totals                              |                 | 2,962                     | 1,843 | 1,119   | 357                      | 193   | 164     | 2,605                                               | 1,650 | 955     |

## Cocaine Deaths by Age

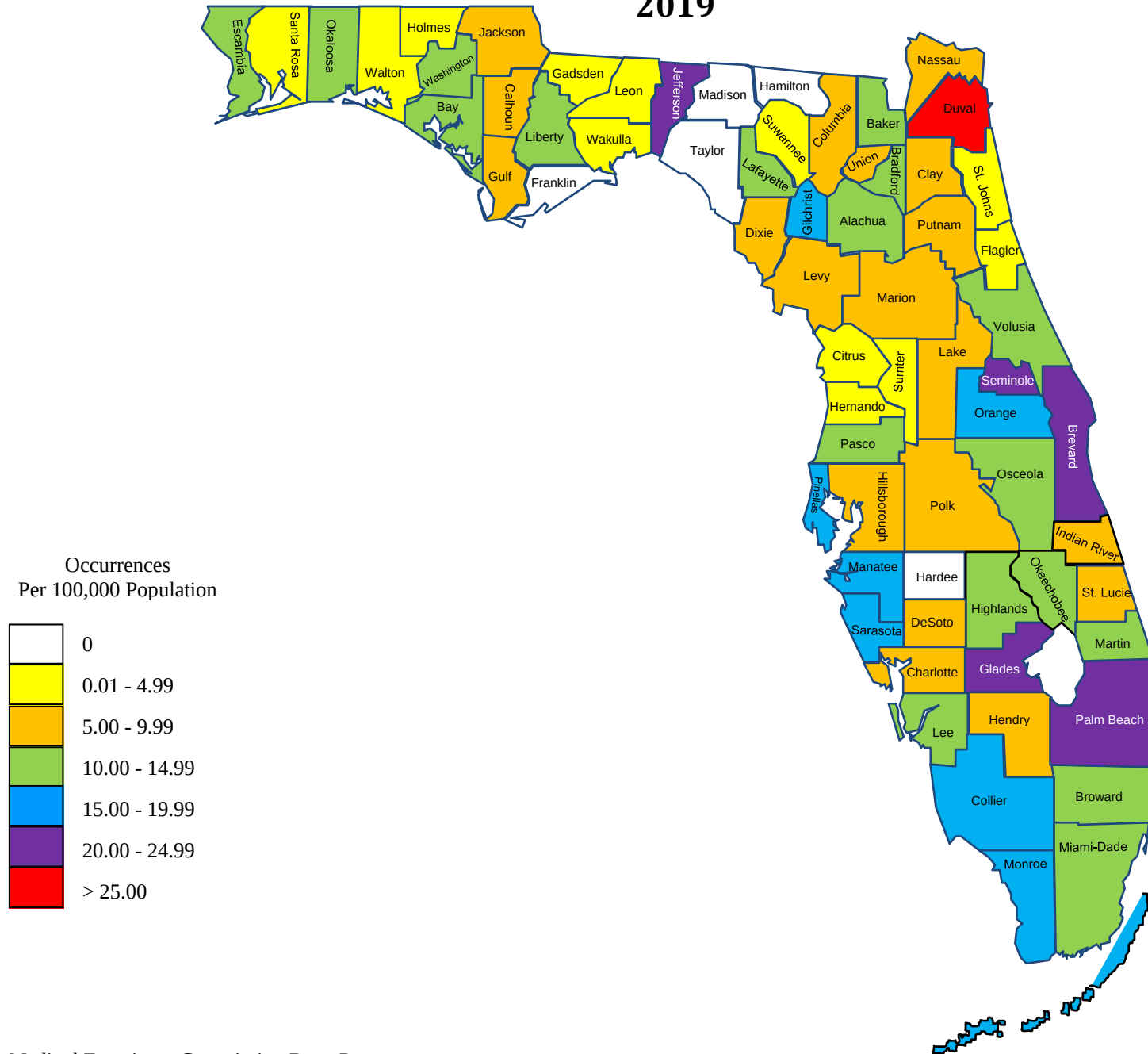
January – December 2019

| Medical Examiner District and Area of Florida |                 |       |
|-----------------------------------------------|-----------------|-------|
| District                                      | Area of Florida | Total |
| 1                                             | Pensacola       | 73    |
| 2                                             | Tallahassee     | 20    |
| 3                                             | Live Oak        | 7     |
| 4                                             | Jacksonville    | 279   |
| 5                                             | Leesburg        | 77    |
| 6                                             | St. Petersburg  | 250   |
| 7                                             | Daytona Beach   | 76    |
| 8                                             | Gainesville     | 46    |
| 9                                             | Orlando         | 265   |
| 10                                            | Lakeland        | 50    |
| 11                                            | Miami           | 418   |
| 12                                            | Sarasota        | 117   |
| 13                                            | Tampa           | 140   |
| 14                                            | Panama City     | 30    |
| 15                                            | West Palm Beach | 343   |
| 16                                            | Florida Keys    | 15    |
| 17                                            | Ft. Lauderdale  | 277   |
| 18                                            | Melbourne       | 130   |
| 19                                            | Ft. Pierce      | 66    |
| 20                                            | Naples          | 61    |
| 21                                            | Ft. Myers       | 98    |
| 22                                            | Port Charlotte  | 12    |
| 23                                            | St. Augustine   | 24    |
| 24                                            | Sanford         | 44    |
| 25                                            | Kissimmee       | 44    |
| Statewide Totals                              |                 | 2,962 |

| Cocaine Caused Death |     |       |       |       |     |  |
|----------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent      |     |       |       |       |     |  |
| Total                | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 51                   | 0   | 2     | 11    | 19    | 19  |  |
| 16                   | 0   | 0     | 1     | 3     | 12  |  |
| 2                    | 0   | 0     | 0     | 1     | 1   |  |
| 182                  | 0   | 14    | 42    | 79    | 47  |  |
| 59                   | 0   | 3     | 18    | 14    | 24  |  |
| 171                  | 1   | 6     | 32    | 70    | 62  |  |
| 35                   | 0   | 1     | 6     | 15    | 13  |  |
| 21                   | 0   | 1     | 1     | 12    | 7   |  |
| 182                  | 0   | 17    | 37    | 67    | 61  |  |
| 36                   | 0   | 0     | 6     | 13    | 17  |  |
| 256                  | 0   | 16    | 49    | 104   | 87  |  |
| 68                   | 0   | 2     | 16    | 27    | 23  |  |
| 78                   | 0   | 6     | 11    | 24    | 37  |  |
| 18                   | 0   | 1     | 2     | 7     | 8   |  |
| 142                  | 0   | 15    | 42    | 49    | 36  |  |
| 12                   | 0   | 0     | 4     | 4     | 4   |  |
| 204                  | 1   | 19    | 33    | 89    | 62  |  |
| 93                   | 1   | 4     | 17    | 32    | 39  |  |
| 36                   | 0   | 3     | 9     | 15    | 9   |  |
| 47                   | 1   | 1     | 15    | 16    | 14  |  |
| 51                   | 0   | 2     | 16    | 18    | 15  |  |
| 10                   | 0   | 0     | 4     | 2     | 4   |  |
| 9                    | 0   | 1     | 0     | 4     | 4   |  |
| 31                   | 0   | 2     | 8     | 11    | 10  |  |
| 33                   | 0   | 6     | 3     | 16    | 8   |  |
| 1,843                | 4   | 122   | 383   | 711   | 623 |  |

| Cocaine Present at Death |     |       |       |       |     |  |
|--------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent          |     |       |       |       |     |  |
| Total                    | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 22                       | 0   | 2     | 4     | 8     | 8   |  |
| 4                        | 0   | 1     | 2     | 0     | 1   |  |
| 5                        | 0   | 0     | 1     | 1     | 3   |  |
| 97                       | 0   | 7     | 27    | 37    | 26  |  |
| 18                       | 0   | 3     | 3     | 5     | 7   |  |
| 79                       | 0   | 6     | 11    | 39    | 23  |  |
| 41                       | 2   | 3     | 9     | 13    | 14  |  |
| 25                       | 0   | 3     | 3     | 7     | 12  |  |
| 83                       | 2   | 7     | 16    | 37    | 21  |  |
| 14                       | 0   | 5     | 5     | 1     | 3   |  |
| 162                      | 1   | 19    | 42    | 40    | 60  |  |
| 49                       | 0   | 5     | 13    | 18    | 13  |  |
| 62                       | 1   | 5     | 13    | 18    | 25  |  |
| 12                       | 0   | 0     | 6     | 4     | 2   |  |
| 201                      | 0   | 18    | 62    | 80    | 41  |  |
| 3                        | 0   | 0     | 1     | 1     | 1   |  |
| 73                       | 1   | 4     | 21    | 26    | 21  |  |
| 37                       | 0   | 1     | 12    | 12    | 12  |  |
| 30                       | 0   | 5     | 8     | 11    | 6   |  |
| 14                       | 0   | 3     | 3     | 5     | 3   |  |
| 47                       | 0   | 1     | 15    | 16    | 15  |  |
| 2                        | 0   | 0     | 1     | 1     | 0   |  |
| 15                       | 0   | 1     | 4     | 6     | 4   |  |
| 13                       | 1   | 0     | 3     | 7     | 2   |  |
| 11                       | 0   | 2     | 1     | 5     | 3   |  |
| 1,119                    | 8   | 101   | 286   | 398   | 326 |  |

## Cocaine Deaths by County 2019

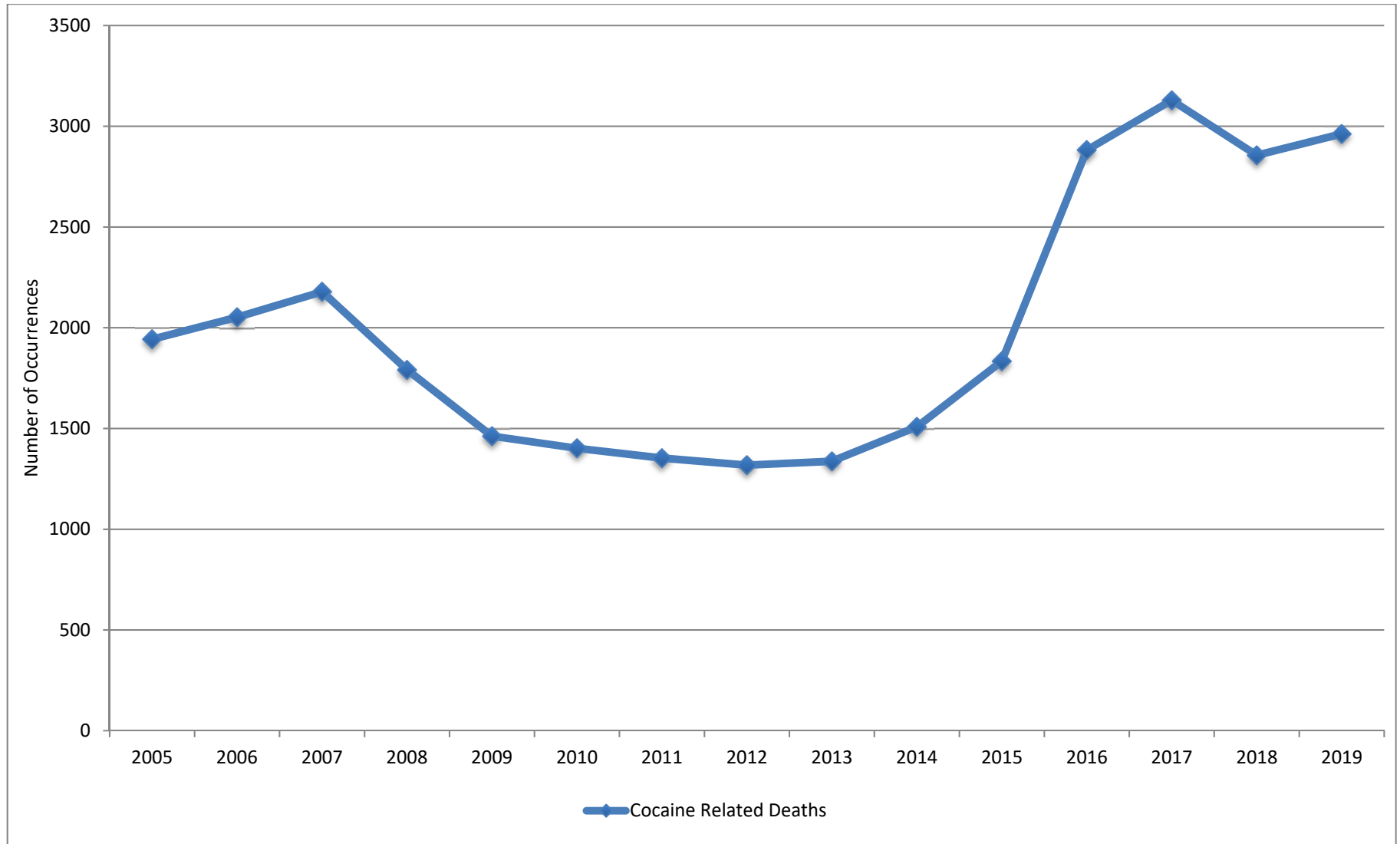


**Cocaine Related Deaths by Medical Examiner District**  
(Present and Cause)  
2005 to 2019

| District               | Area of Florida | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         |
|------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1                      | Pensacola       | 69           | 78           | 76           | 56           | 33           | 36           | 34           | 34           | 31           | 56           | 80           | 57           | 58           | 71           | 73           |
| 2                      | Tallahassee     | 58           | 51           | 40           | 27           | 30           | 25           | 36           | 25           | 23           | 20           | 18           | 32           | 15           | 11           | 20           |
| 3                      | Live Oak        | 19           | 16           | 10           | 13           | 16           | 9            | 8            | 13           | 10           | 6            | 5            | 10           | 4            | 12           | 7            |
| 4                      | Jacksonville    | 195          | 246          | 248          | 165          | 125          | 115          | 113          | 119          | 119          | 107          | 146          | 266          | 359          | 251          | 279          |
| 5                      | Leesburg        | 60           | 21           | 45           | 67           | 56           | 52           | 48           | 46           | 57           | 62           | 54           | 128          | 109          | 84           | 77           |
| 6                      | St. Petersburg  | 138          | 185          | 173          | 154          | 139          | 134          | 112          | 125          | 100          | 98           | 101          | 157          | 187          | 225          | 250          |
| 7                      | Daytona Beach   | 77           | 64           | 84           | 51           | 58           | 44           | 43           | 36           | 37           | 34           | 37           | 51           | 88           | 102          | 76           |
| 8                      | Gainesville     | 48           | 47           | 42           | 32           | 39           | 39           | 34           | 30           | 29           | 30           | 31           | 41           | 43           | 35           | 46           |
| 9                      | Orlando         | 165          | 178          | 190          | 179          | 145          | 128          | 124          | 120          | 137          | 181          | 203          | 230          | 234          | 266          | 265          |
| 10                     | Lakeland        | 75           | 53           | 41           | 40           | 35           | 42           | 29           | 27           | 37           | 33           | 33           | 53           | 70           | 67           | 50           |
| 11                     | Miami           | 162          | 182          | 281          | 201          | 155          | 198          | 184          | 198          | 226          | 234          | 289          | 439          | 401          | 363          | 418          |
| 12                     | Sarasota        | 83           | 106          | 105          | 75           | 59           | 57           | 54           | 60           | 60           | 84           | 134          | 147          | 132          | 96           | 117          |
| 13                     | Tampa           | 115          | 130          | 158          | 146          | 54           | 83           | 96           | 59           | 74           | 65           | 84           | 108          | 109          | 140          | 140          |
| 14                     | Panama City     | 24           | 32           | 31           | 17           | 20           | 9            | 9            | 10           | 11           | 13           | 15           | 5            | 15           | 20           | 30           |
| 15                     | West Palm Beach | 197          | 191          | 168          | 143          | 126          | 106          | 91           | 87           | 105          | 143          | 173          | 405          | 417          | 338          | 343          |
| 16                     | Florida Keys    | 18           | 16           | 27           | 15           | 14           | 11           | 7            | 13           | 4            | 6            | 13           | 20           | 20           | 11           | 15           |
| 17                     | Ft. Lauderdale  | 136          | 150          | 157          | 146          | 135          | 127          | 115          | 129          | 102          | 99           | 152          | 328          | 321          | 236          | 277          |
| 18                     | Melbourne       | 84           | 80           | 62           | 68           | 59           | 49           | 38           | 52           | 53           | 60           | 86           | 103          | 128          | 114          | 130          |
| 19                     | Ft. Pierce      | 58           | 45           | 46           | 47           | 35           | 20           | 40           | 24           | 34           | 50           | 49           | 71           | 88           | 69           | 66           |
| 20                     | Naples          | 24           | 34           | 29           | 15           | 21           | 13           | 23           | 16           | 10           | 29           | 23           | 40           | 32           | 45           | 61           |
| 21                     | Ft. Myers       | 78           | 96           | 79           | 67           | 48           | 53           | 73           | 56           | 51           | 63           | 71           | 99           | 152          | 146          | 98           |
| 22                     | Port Charlotte  | 14           | 14           | 19           | 14           | 9            | 5            | 7            | 9            | 2            | 10           | 12           | 9            | 13           | 10           | 12           |
| 23                     | St. Augustine   | 24           | 17           | 33           | 27           | 19           | 23           | 15           | 11           | 11           | 1            | 9            | 23           | 39           | 33           | 24           |
| 24                     | Sanford         | 22           | 20           | 35           | 26           | 32           | 24           | 20           | 19           | 14           | 24           | 16           | 37           | 41           | 50           | 44           |
| 25                     | Kissimmee       |              |              |              |              |              |              |              |              |              |              |              | 23           | 54           | 61           | 44           |
| <b>Statewide Total</b> |                 | <b>1,943</b> | <b>2,052</b> | <b>2,179</b> | <b>1,791</b> | <b>1,462</b> | <b>1,402</b> | <b>1,353</b> | <b>1,318</b> | <b>1,337</b> | <b>1,508</b> | <b>1,834</b> | <b>2,882</b> | <b>3,129</b> | <b>2,856</b> | <b>2,962</b> |

*Prior to 2016, District 9 included Orange and Osceola counties. Both counties enacted Home Rule authority in 2016 and District 9 was split into two districts, with Orange County staying District 9 and Osceola County becoming District 25.*

## Historical Overview of Cocaine Occurrences (Present and Cause) 2005 to 2019



## Heroin Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 | Total Deaths with Heroin |       |         | Deaths with Heroin Only |       |         | Deaths with Heroin in Combination with Other Drugs |       |         |
|-----------------------------------------------|-----------------|--------------------------|-------|---------|-------------------------|-------|---------|----------------------------------------------------|-------|---------|
| District                                      | Area of Florida | Total                    | Cause | Present | Total                   | Cause | Present | Total                                              | Cause | Present |
| 1                                             | Pensacola       | 35                       | 35    | 0       | 0                       | 0     | 0       | 35                                                 | 35    | 0       |
| 2                                             | Tallahassee     | 4                        | 3     | 1       | 0                       | 0     | 0       | 4                                                  | 3     | 1       |
| 3                                             | Live Oak        | 0                        | 0     | 0       | 0                       | 0     | 0       | 0                                                  | 0     | 0       |
| 4                                             | Jacksonville    | 50                       | 48    | 2       | 0                       | 0     | 0       | 50                                                 | 48    | 2       |
| 5                                             | Leesburg        | 56                       | 55    | 1       | 0                       | 0     | 0       | 56                                                 | 55    | 1       |
| 6                                             | St. Petersburg  | 73                       | 69    | 4       | 0                       | 0     | 0       | 73                                                 | 69    | 4       |
| 7                                             | Daytona Beach   | 34                       | 28    | 6       | 0                       | 0     | 0       | 34                                                 | 28    | 6       |
| 8                                             | Gainesville     | 5                        | 4     | 1       | 1                       | 1     | 0       | 4                                                  | 3     | 1       |
| 9                                             | Orlando         | 58                       | 56    | 2       | 0                       | 0     | 0       | 58                                                 | 56    | 2       |
| 10                                            | Lakeland        | 11                       | 11    | 0       | 0                       | 0     | 0       | 11                                                 | 11    | 0       |
| 11                                            | Miami           | 68                       | 63    | 5       | 0                       | 0     | 0       | 68                                                 | 63    | 5       |
| 12                                            | Sarasota        | 20                       | 19    | 1       | 1                       | 1     | 0       | 19                                                 | 18    | 1       |
| 13                                            | Tampa           | 77                       | 72    | 5       | 0                       | 0     | 0       | 77                                                 | 72    | 5       |
| 14                                            | Panama City     | 18                       | 17    | 1       | 0                       | 0     | 0       | 18                                                 | 17    | 1       |
| 15                                            | West Palm Beach | 205                      | 105   | 100     | 0                       | 0     | 0       | 205                                                | 105   | 100     |
| 16                                            | Florida Keys    | 1                        | 1     | 0       | 0                       | 0     | 0       | 1                                                  | 1     | 0       |
| 17                                            | Ft. Lauderdale  | 133                      | 120   | 13      | 1                       | 1     | 0       | 132                                                | 119   | 13      |
| 18                                            | Melbourne       | 8                        | 6     | 2       | 1                       | 1     | 0       | 7                                                  | 5     | 2       |
| 19                                            | Ft. Pierce      | 3                        | 2     | 1       | 0                       | 0     | 0       | 3                                                  | 2     | 1       |
| 20                                            | Naples          | 17                       | 17    | 0       | 0                       | 0     | 0       | 17                                                 | 17    | 0       |
| 21                                            | Ft. Myers       | 22                       | 22    | 0       | 0                       | 0     | 0       | 22                                                 | 22    | 0       |
| 22                                            | Port Charlotte  | 4                        | 4     | 0       | 0                       | 0     | 0       | 4                                                  | 4     | 0       |
| 23                                            | St. Augustine   | 11                       | 11    | 0       | 0                       | 0     | 0       | 11                                                 | 11    | 0       |
| 24                                            | Sanford         | 23                       | 23    | 0       | 0                       | 0     | 0       | 23                                                 | 23    | 0       |
| 25                                            | Kissimmee       | 18                       | 18    | 0       | 0                       | 0     | 0       | 18                                                 | 18    | 0       |
| Statewide Totals                              |                 | 954                      | 809   | 145     | 4                       | 4     | 0       | 950                                                | 805   | 145     |

## Heroin Deaths by Age

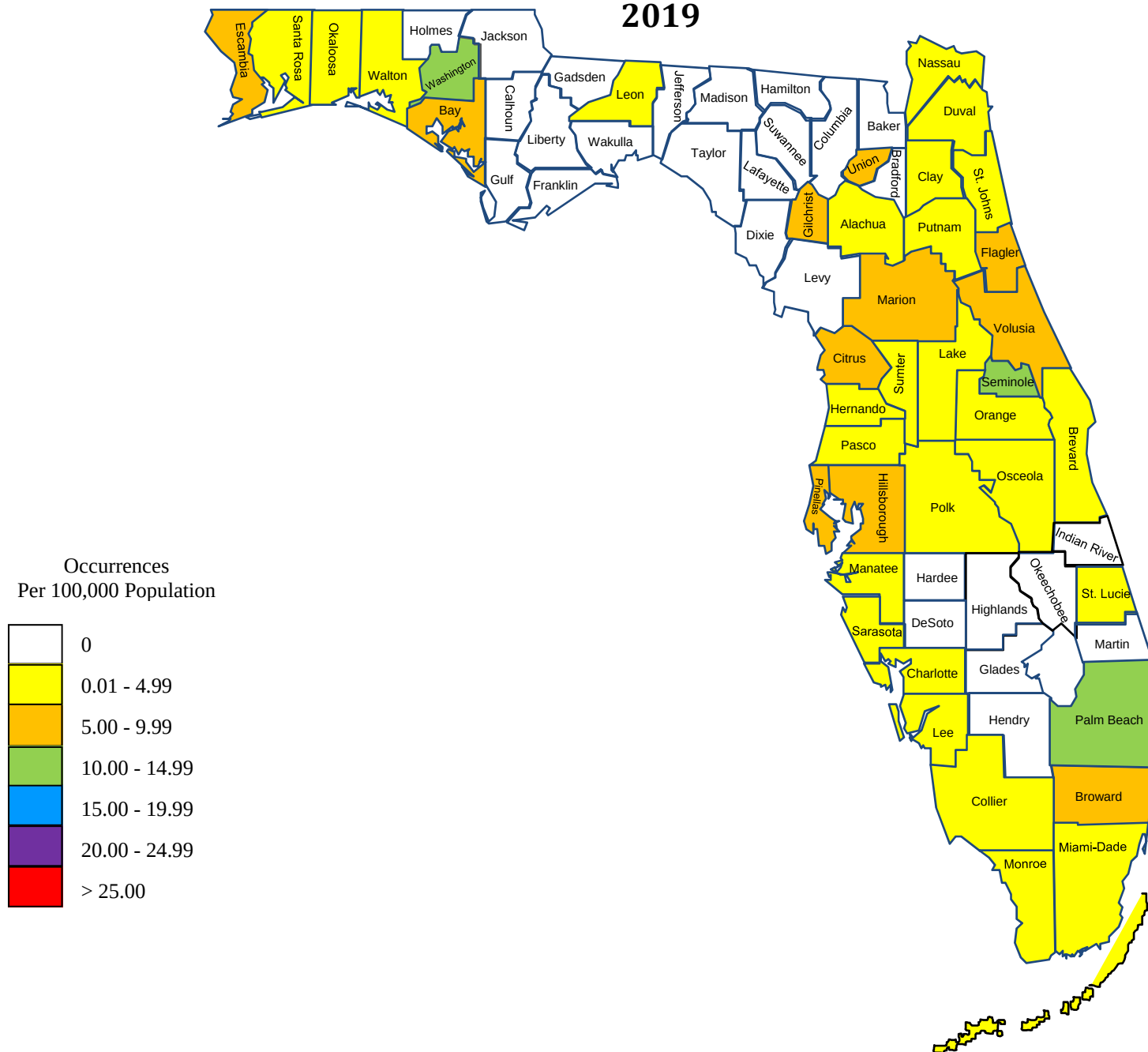
January – December 2019

| Medical Examiner District<br>and Area of Florida |                 |       |
|--------------------------------------------------|-----------------|-------|
| District                                         | Area of Florida | Total |
| 1                                                | Pensacola       | 35    |
| 2                                                | Tallahassee     | 4     |
| 3                                                | Live Oak        | 0     |
| 4                                                | Jacksonville    | 50    |
| 5                                                | Leesburg        | 56    |
| 6                                                | St. Petersburg  | 73    |
| 7                                                | Daytona Beach   | 34    |
| 8                                                | Gainesville     | 5     |
| 9                                                | Orlando         | 58    |
| 10                                               | Lakeland        | 11    |
| 11                                               | Miami           | 68    |
| 12                                               | Sarasota        | 20    |
| 13                                               | Tampa           | 77    |
| 14                                               | Panama City     | 18    |
| 15                                               | West Palm Beach | 205   |
| 16                                               | Florida Keys    | 1     |
| 17                                               | Ft. Lauderdale  | 133   |
| 18                                               | Melbourne       | 8     |
| 19                                               | Ft. Pierce      | 3     |
| 20                                               | Naples          | 17    |
| 21                                               | Ft. Myers       | 22    |
| 22                                               | Port Charlotte  | 4     |
| 23                                               | St. Augustine   | 11    |
| 24                                               | Sanford         | 23    |
| 25                                               | Kissimmee       | 18    |
| Statewide Totals                                 |                 | 954   |

| Heroin Caused Death |     |       |       |       |     |  |
|---------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent     |     |       |       |       |     |  |
| Total               | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 35                  | 0   | 1     | 11    | 15    | 8   |  |
| 3                   | 0   | 0     | 0     | 2     | 1   |  |
| 0                   | 0   | 0     | 0     | 0     | 0   |  |
| 48                  | 0   | 4     | 10    | 27    | 7   |  |
| 55                  | 0   | 5     | 21    | 17    | 12  |  |
| 69                  | 0   | 4     | 19    | 26    | 20  |  |
| 28                  | 0   | 2     | 10    | 13    | 3   |  |
| 4                   | 0   | 2     | 0     | 1     | 1   |  |
| 56                  | 0   | 5     | 18    | 24    | 9   |  |
| 11                  | 0   | 2     | 2     | 6     | 1   |  |
| 63                  | 0   | 9     | 10    | 22    | 22  |  |
| 19                  | 0   | 2     | 7     | 8     | 2   |  |
| 72                  | 0   | 5     | 18    | 28    | 21  |  |
| 17                  | 0   | 1     | 6     | 6     | 4   |  |
| 105                 | 0   | 15    | 35    | 41    | 14  |  |
| 1                   | 0   | 0     | 1     | 0     | 0   |  |
| 120                 | 0   | 13    | 27    | 54    | 26  |  |
| 6                   | 0   | 1     | 3     | 2     | 0   |  |
| 2                   | 0   | 0     | 0     | 1     | 1   |  |
| 17                  | 0   | 0     | 3     | 9     | 5   |  |
| 22                  | 0   | 5     | 3     | 10    | 4   |  |
| 4                   | 0   | 0     | 1     | 3     | 0   |  |
| 11                  | 0   | 3     | 2     | 2     | 4   |  |
| 23                  | 0   | 1     | 7     | 9     | 6   |  |
| 18                  | 0   | 3     | 2     | 9     | 4   |  |
| 809                 | 0   | 83    | 216   | 335   | 175 |  |

| Heroin Present at Death |     |       |       |       |     |  |
|-------------------------|-----|-------|-------|-------|-----|--|
| Age of Decedent         |     |       |       |       |     |  |
| Total                   | <18 | 18-25 | 26-34 | 35-50 | >50 |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 1                       | 0   | 0     | 1     | 0     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 2                       | 0   | 1     | 0     | 1     | 0   |  |
| 1                       | 0   | 0     | 0     | 1     | 0   |  |
| 4                       | 0   | 1     | 0     | 2     | 1   |  |
| 6                       | 0   | 1     | 3     | 2     | 0   |  |
| 1                       | 0   | 0     | 0     | 1     | 0   |  |
| 2                       | 0   | 0     | 0     | 1     | 1   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 5                       | 0   | 1     | 1     | 2     | 1   |  |
| 1                       | 0   | 0     | 0     | 0     | 1   |  |
| 5                       | 0   | 0     | 1     | 1     | 3   |  |
| 1                       | 0   | 0     | 0     | 1     | 0   |  |
| 100                     | 0   | 7     | 45    | 31    | 17  |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 13                      | 0   | 0     | 7     | 4     | 2   |  |
| 2                       | 0   | 0     | 1     | 1     | 0   |  |
| 1                       | 0   | 0     | 0     | 1     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 0                       | 0   | 0     | 0     | 0     | 0   |  |
| 145                     | 0   | 11    | 59    | 49    | 26  |  |

## Heroin Deaths by County 2019



# Heroin Related Deaths by Medical Examiner District (Present and Cause) 2005 to 2019

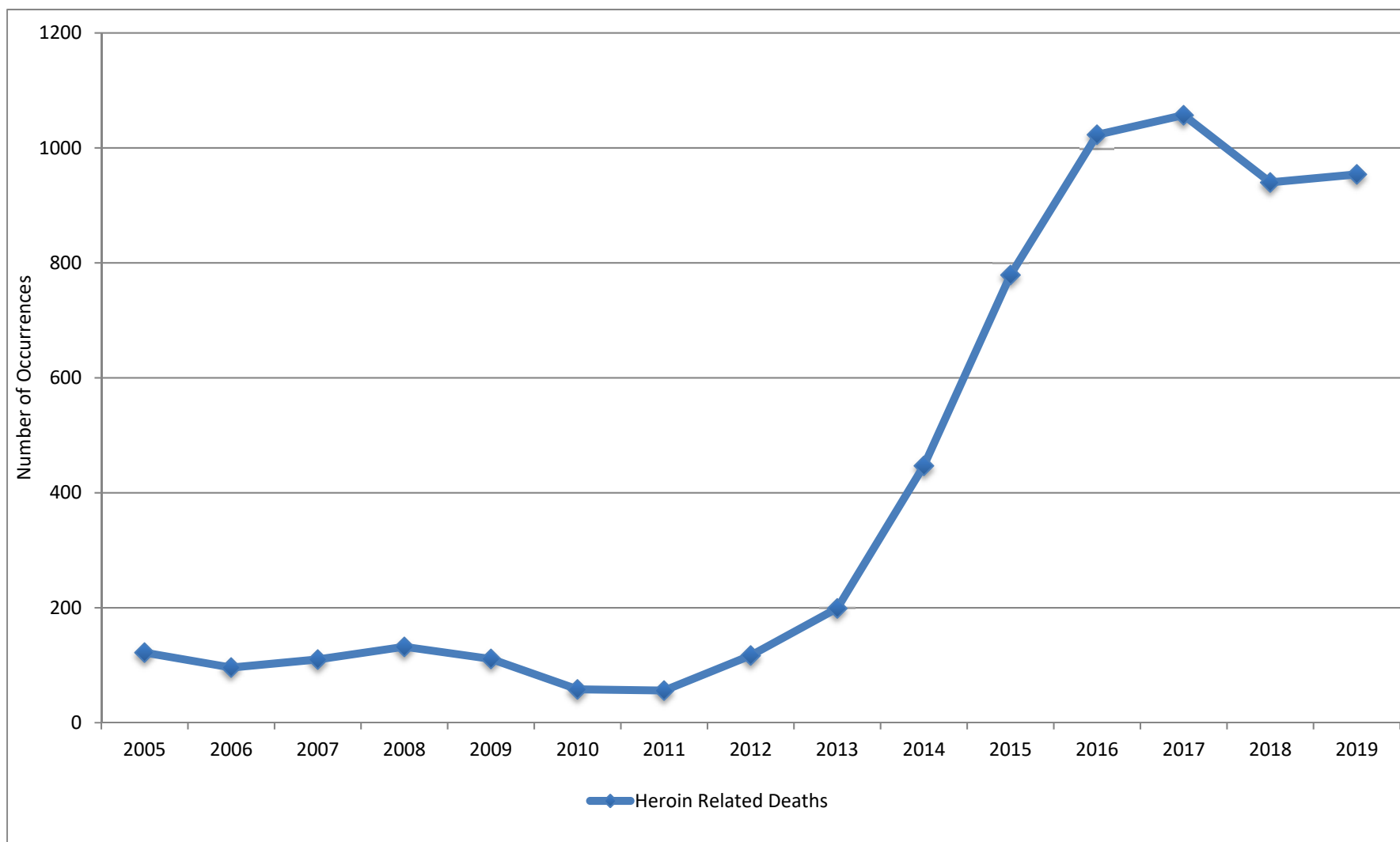
| District                | Area of Florida | 2005       | 2006      | 2007       | 2008       | 2009       | 2010      | 2011      | 2012       | 2013       | 2014       | 2015       | 2016         | 2017         | 2018       | 2019       |
|-------------------------|-----------------|------------|-----------|------------|------------|------------|-----------|-----------|------------|------------|------------|------------|--------------|--------------|------------|------------|
| 1                       | Pensacola       | 0          | 1         | 0          | 1          | 2          | 0         | 0         | 1          | 3          | 12         | 28         | 34           | 30           | 35         | 35         |
| 2                       | Tallahassee     | 0          | 0         | 0          | 0          | 0          | 0         | 1         | 0          | 1          | 2          | 0          | 1            | 2            | 1          | 4          |
| 3                       | Live Oak        | 0          | 0         | 0          | 0          | 0          | 0         | 0         | 0          | 1          | 0          | 1          | 0            | 2            | 0          | 0          |
| 4                       | Jacksonville    | 5          | 4         | 8          | 3          | 4          | 1         | 3         | 14         | 15         | 16         | 45         | 81           | 98           | 60         | 50         |
| 5                       | Leesburg        | 0          | 0         | 0          | 5          | 1          | 0         | 1         | 3          | 2          | 16         | 8          | 40           | 34           | 44         | 56         |
| 6                       | St. Petersburg  | 13         | 7         | 12         | 5          | 9          | 3         | 1         | 1          | 4          | 7          | 14         | 18           | 22           | 56         | 73         |
| 7                       | Daytona Beach   | 2          | 1         | 2          | 0          | 3          | 1         | 0         | 1          | 3          | 4          | 20         | 21           | 37           | 75         | 34         |
| 8                       | Gainesville     | 0          | 0         | 0          | 0          | 0          | 0         | 0         | 2          | 1          | 2          | 3          | 2            | 4            | 2          | 5          |
| 9                       | Orlando         | 15         | 7         | 16         | 16         | 24         | 10        | 18        | 26         | 41         | 83         | 108        | 68           | 59           | 54         | 58         |
| 10                      | Lakeland        | 2          | 2         | 0          | 0          | 2          | 1         | 0         | 1          | 4          | 7          | 10         | 11           | 10           | 5          | 11         |
| 11                      | Miami           | 22         | 20        | 26         | 38         | 30         | 26        | 15        | 33         | 40         | 60         | 92         | 139          | 97           | 59         | 68         |
| 12                      | Sarasota        | 9          | 14        | 4          | 19         | 4          | 2         | 2         | 8          | 19         | 55         | 68         | 32           | 22           | 17         | 20         |
| 13                      | Tampa           | 6          | 7         | 11         | 5          | 2          | 1         | 2         | 2          | 3          | 22         | 35         | 52           | 75           | 114        | 77         |
| 14                      | Panama City     | 0          | 0         | 1          | 0          | 0          | 1         | 0         | 0          | 2          | 2          | 4          | 8            | 4            | 7          | 18         |
| 15                      | West Palm Beach | 19         | 8         | 10         | 7          | 7          | 4         | 6         | 6          | 20         | 51         | 165        | 205          | 215          | 174        | 205        |
| 16                      | Florida Keys    | 0          | 1         | 0          | 1          | 1          | 0         | 0         | 1          | 1          | 0          | 1          | 7            | 4            | 0          | 1          |
| 17                      | Ft. Lauderdale  | 17         | 13        | 4          | 17         | 8          | 5         | 3         | 9          | 11         | 28         | 80         | 180          | 186          | 110        | 133        |
| 18                      | Melbourne       | 2          | 1         | 1          | 1          | 2          | 0         | 0         | 0          | 2          | 7          | 12         | 21           | 25           | 18         | 8          |
| 19                      | Ft. Pierce      | 1          | 3         | 3          | 3          | 1          | 1         | 1         | 2          | 3          | 7          | 8          | 7            | 13           | 4          | 3          |
| 20                      | Naples          | 1          | 4         | 1          | 1          | 0          | 0         | 0         | 0          | 2          | 14         | 11         | 15           | 15           | 14         | 17         |
| 21                      | Ft. Myers       | 1          | 2         | 4          | 7          | 9          | 0         | 1         | 4          | 12         | 30         | 43         | 30           | 34           | 35         | 22         |
| 22                      | Port Charlotte  | 3          | 1         | 0          | 0          | 1          | 0         | 0         | 1          | 1          | 3          | 2          | 3            | 1            | 3          | 4          |
| 23                      | St. Augustine   | 0          | 0         | 0          | 0          | 0          | 1         | 0         | 1          | 1          | 1          | 2          | 6            | 14           | 5          | 11         |
| 24                      | Sanford         | 4          | 0         | 7          | 3          | 1          | 1         | 2         | 1          | 7          | 18         | 19         | 27           | 33           | 31         | 23         |
| 25                      | Kissimmee       |            |           |            |            |            |           |           |            |            |            |            | 15           | 21           | 17         | 18         |
| <b>Statewide Totals</b> |                 | <b>122</b> | <b>96</b> | <b>110</b> | <b>132</b> | <b>111</b> | <b>58</b> | <b>56</b> | <b>117</b> | <b>199</b> | <b>447</b> | <b>779</b> | <b>1,023</b> | <b>1,057</b> | <b>940</b> | <b>954</b> |

Prior to 2016, District 9 included Orange and Osceola counties. Both counties enacted Home Rule authority in 2016 and District 9 was split into two districts, with Orange County staying District 9 and Osceola County becoming District 25.

## Historical Overview of Heroin Occurrences

(Present and Cause)

2005 to 2019



## Methamphetamine Deaths

January – December 2019

| Medical Examiner District and Area of Florida |                 |
|-----------------------------------------------|-----------------|
| District                                      | Area of Florida |
| 1                                             | Pensacola       |
| 2                                             | Tallahassee     |
| 3                                             | Live Oak        |
| 4                                             | Jacksonville    |
| 5                                             | Leesburg        |
| 6                                             | St. Petersburg  |
| 7                                             | Daytona Beach   |
| 8                                             | Gainesville     |
| 9                                             | Orlando         |
| 10                                            | Lakeland        |
| 11                                            | Miami           |
| 12                                            | Sarasota        |
| 13                                            | Tampa           |
| 14                                            | Panama City     |
| 15                                            | West Palm Beach |
| 16                                            | Florida Keys    |
| 17                                            | Ft. Lauderdale  |
| 18                                            | Melbourne       |
| 19                                            | Ft. Pierce      |
| 20                                            | Naples          |
| 21                                            | Ft. Myers       |
| 22                                            | Port Charlotte  |
| 23                                            | St. Augustine   |
| 24                                            | Sanford         |
| 25                                            | Kissimmee       |
| <b>Statewide Totals</b>                       |                 |

| Total Deaths with Methamphetamine |            |            |
|-----------------------------------|------------|------------|
| Total                             | Cause      | Present    |
| 143                               | 88         | 55         |
| 46                                | 19         | 27         |
| 12                                | 5          | 7          |
| 158                               | 70         | 88         |
| 120                               | 89         | 31         |
| 143                               | 112        | 31         |
| 57                                | 33         | 24         |
| 24                                | 12         | 12         |
| 72                                | 40         | 32         |
| 88                                | 75         | 13         |
| 37                                | 20         | 17         |
| 64                                | 51         | 13         |
| 70                                | 42         | 28         |
| 77                                | 41         | 36         |
| 33                                | 12         | 21         |
| 0                                 | 0          | 0          |
| 34                                | 26         | 8          |
| 74                                | 57         | 17         |
| 23                                | 8          | 15         |
| 19                                | 12         | 7          |
| 51                                | 34         | 17         |
| 25                                | 18         | 7          |
| 17                                | 8          | 9          |
| 19                                | 18         | 1          |
| 13                                | 6          | 7          |
| <b>1,419</b>                      | <b>896</b> | <b>523</b> |

| Deaths with Methamphetamine Only |           |           |
|----------------------------------|-----------|-----------|
| Total                            | Cause     | Present   |
| 1                                | 1         | 0         |
| 8                                | 1         | 7         |
| 1                                | 1         | 0         |
| 0                                | 0         | 0         |
| 3                                | 3         | 0         |
| 4                                | 1         | 3         |
| 1                                | 0         | 1         |
| 2                                | 1         | 1         |
| 6                                | 2         | 4         |
| 4                                | 4         | 0         |
| 0                                | 0         | 0         |
| 4                                | 4         | 0         |
| 5                                | 3         | 2         |
| 7                                | 4         | 3         |
| 0                                | 0         | 0         |
| 0                                | 0         | 0         |
| 5                                | 3         | 2         |
| 3                                | 2         | 1         |
| 1                                | 0         | 1         |
| 0                                | 0         | 0         |
| 0                                | 0         | 0         |
| 0                                | 0         | 0         |
| 1                                | 0         | 1         |
| 0                                | 0         | 0         |
| 1                                | 0         | 1         |
| <b>57</b>                        | <b>30</b> | <b>27</b> |

| Deaths with Methamphetamine in Combination with Other Drugs |            |            |
|-------------------------------------------------------------|------------|------------|
| Total                                                       | Cause      | Present    |
| 142                                                         | 87         | 55         |
| 38                                                          | 18         | 20         |
| 11                                                          | 4          | 7          |
| 158                                                         | 70         | 88         |
| 117                                                         | 86         | 31         |
| 139                                                         | 111        | 28         |
| 56                                                          | 33         | 23         |
| 22                                                          | 11         | 11         |
| 66                                                          | 38         | 28         |
| 84                                                          | 71         | 13         |
| 37                                                          | 20         | 17         |
| 60                                                          | 47         | 13         |
| 65                                                          | 39         | 26         |
| 70                                                          | 37         | 33         |
| 33                                                          | 12         | 21         |
| 0                                                           | 0          | 0          |
| 29                                                          | 23         | 6          |
| 71                                                          | 55         | 16         |
| 22                                                          | 8          | 14         |
| 19                                                          | 12         | 7          |
| 51                                                          | 34         | 17         |
| 25                                                          | 18         | 7          |
| 16                                                          | 8          | 8          |
| 19                                                          | 18         | 1          |
| 12                                                          | 6          | 6          |
| <b>1,362</b>                                                | <b>866</b> | <b>496</b> |

## Methamphetamine Deaths by Age

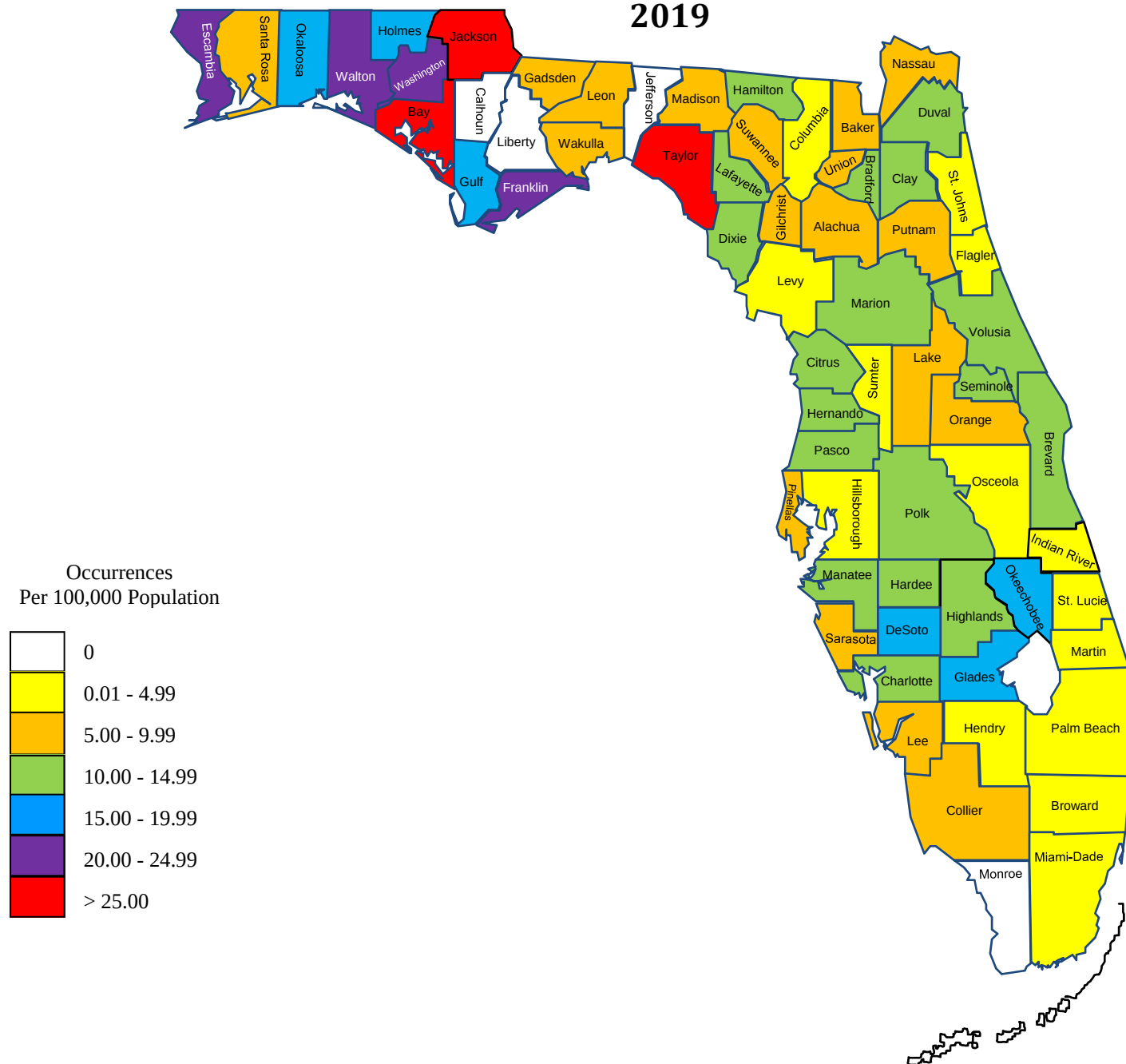
January – December 2019

| Medical Examiner District and Area of Florida |                 |       |
|-----------------------------------------------|-----------------|-------|
| District                                      | Area of Florida | Total |
| 1                                             | Pensacola       | 143   |
| 2                                             | Tallahassee     | 46    |
| 3                                             | Live Oak        | 12    |
| 4                                             | Jacksonville    | 158   |
| 5                                             | Leesburg        | 120   |
| 6                                             | St. Petersburg  | 143   |
| 7                                             | Daytona Beach   | 57    |
| 8                                             | Gainesville     | 24    |
| 9                                             | Orlando         | 72    |
| 10                                            | Lakeland        | 88    |
| 11                                            | Miami           | 37    |
| 12                                            | Sarasota        | 64    |
| 13                                            | Tampa           | 70    |
| 14                                            | Panama City     | 77    |
| 15                                            | West Palm Beach | 33    |
| 16                                            | Florida Keys    | 0     |
| 17                                            | Ft. Lauderdale  | 34    |
| 18                                            | Melbourne       | 74    |
| 19                                            | Ft. Pierce      | 23    |
| 20                                            | Naples          | 19    |
| 21                                            | Ft. Myers       | 51    |
| 22                                            | Port Charlotte  | 25    |
| 23                                            | St. Augustine   | 17    |
| 24                                            | Sanford         | 19    |
| 25                                            | Kissimmee       | 13    |
| Statewide Totals                              |                 | 1,419 |

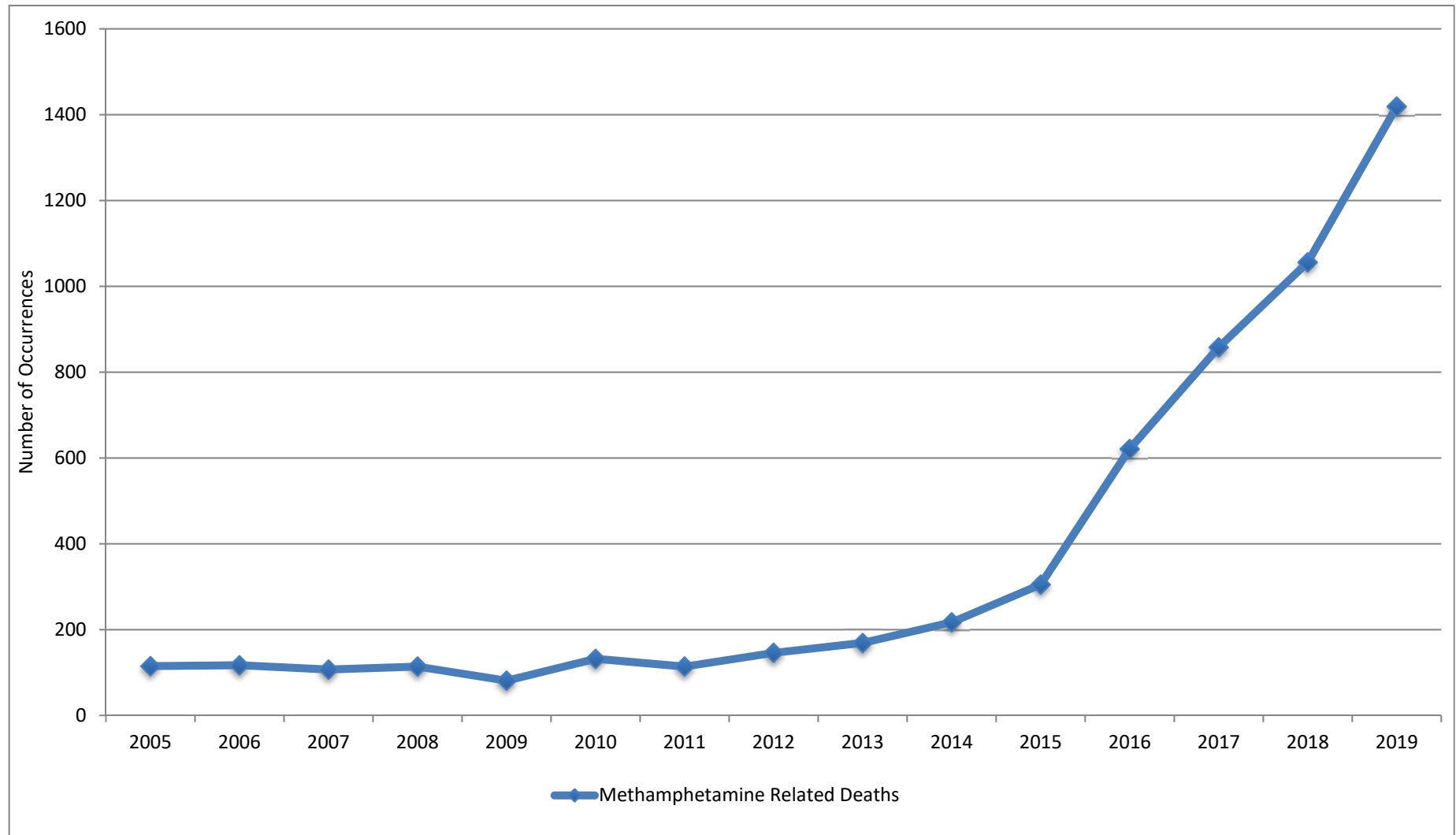
| Methamphetamine Caused Death |     |       |       |       |     |
|------------------------------|-----|-------|-------|-------|-----|
| Age of Decedent              |     |       |       |       |     |
| Total                        | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 88                           | 2   | 3     | 14    | 46    | 23  |
| 19                           | 0   | 1     | 5     | 8     | 5   |
| 5                            | 0   | 0     | 3     | 1     | 1   |
| 70                           | 0   | 6     | 12    | 38    | 14  |
| 89                           | 1   | 7     | 25    | 33    | 23  |
| 112                          | 1   | 5     | 29    | 46    | 31  |
| 33                           | 0   | 0     | 7     | 14    | 12  |
| 12                           | 0   | 3     | 3     | 4     | 2   |
| 40                           | 0   | 5     | 9     | 17    | 9   |
| 75                           | 1   | 4     | 17    | 23    | 30  |
| 20                           | 0   | 1     | 5     | 8     | 6   |
| 51                           | 0   | 3     | 15    | 25    | 8   |
| 42                           | 0   | 0     | 13    | 19    | 10  |
| 41                           | 0   | 2     | 8     | 18    | 13  |
| 12                           | 0   | 2     | 2     | 7     | 1   |
| 0                            | 0   | 0     | 0     | 0     | 0   |
| 26                           | 1   | 5     | 3     | 16    | 1   |
| 57                           | 1   | 3     | 16    | 28    | 9   |
| 8                            | 0   | 1     | 2     | 4     | 1   |
| 12                           | 0   | 0     | 3     | 7     | 2   |
| 34                           | 0   | 2     | 10    | 13    | 9   |
| 18                           | 0   | 0     | 6     | 7     | 5   |
| 8                            | 0   | 2     | 1     | 3     | 2   |
| 18                           | 0   | 1     | 7     | 8     | 2   |
| 6                            | 0   | 1     | 1     | 3     | 1   |
| 896                          | 7   | 57    | 216   | 396   | 220 |

| Methamphetamine Present at Death |     |       |       |       |     |
|----------------------------------|-----|-------|-------|-------|-----|
| Age of Decedent                  |     |       |       |       |     |
| Total                            | <18 | 18-25 | 26-34 | 35-50 | >50 |
| 55                               | 1   | 6     | 16    | 22    | 10  |
| 27                               | 0   | 3     | 11    | 11    | 2   |
| 7                                | 0   | 0     | 3     | 2     | 2   |
| 88                               | 0   | 12    | 27    | 38    | 11  |
| 31                               | 0   | 6     | 11    | 9     | 5   |
| 31                               | 0   | 0     | 9     | 16    | 6   |
| 24                               | 0   | 0     | 10    | 10    | 4   |
| 12                               | 0   | 0     | 3     | 5     | 4   |
| 32                               | 1   | 4     | 8     | 14    | 5   |
| 13                               | 0   | 2     | 4     | 7     | 0   |
| 17                               | 1   | 3     | 6     | 5     | 2   |
| 13                               | 0   | 0     | 4     | 8     | 1   |
| 28                               | 1   | 3     | 11    | 9     | 4   |
| 36                               | 0   | 0     | 6     | 22    | 8   |
| 21                               | 0   | 3     | 8     | 7     | 3   |
| 0                                | 0   | 0     | 0     | 0     | 0   |
| 8                                | 1   | 0     | 2     | 4     | 1   |
| 17                               | 0   | 1     | 6     | 7     | 3   |
| 15                               | 0   | 3     | 6     | 5     | 1   |
| 7                                | 0   | 0     | 3     | 3     | 1   |
| 17                               | 0   | 1     | 12    | 4     | 0   |
| 7                                | 0   | 0     | 3     | 3     | 1   |
| 9                                | 0   | 0     | 3     | 3     | 3   |
| 1                                | 0   | 0     | 1     | 0     | 0   |
| 7                                | 0   | 0     | 3     | 2     | 2   |
| 523                              | 5   | 47    | 176   | 216   | 79  |

## Methamphetamine Deaths by County 2019

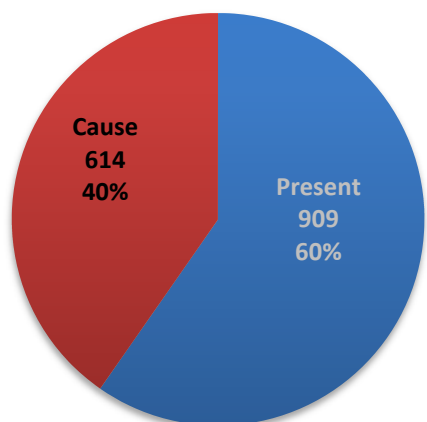


## Historical Overview of Methamphetamine Occurrences (Present and Cause) 2005 to 2019

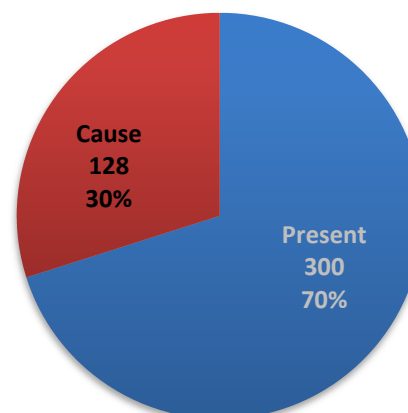


## 2019 Drug Detected at Death: Cause vs. Present

**Alprazolam Deaths**  
**Total Occurrences = 1,523**

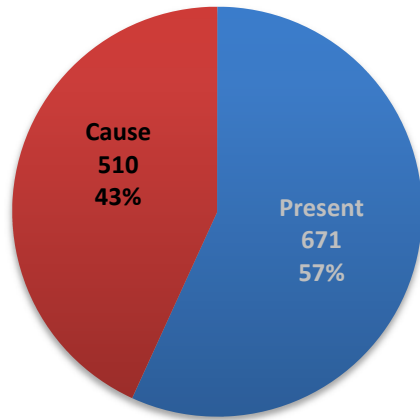


**Diazepam Deaths**  
**Total Occurrences = 428**

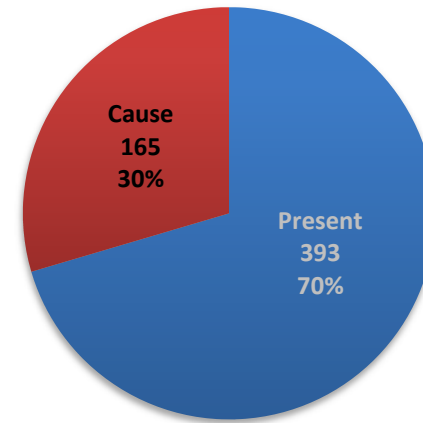


## 2019 Drug Detected at Death: Cause vs. Present

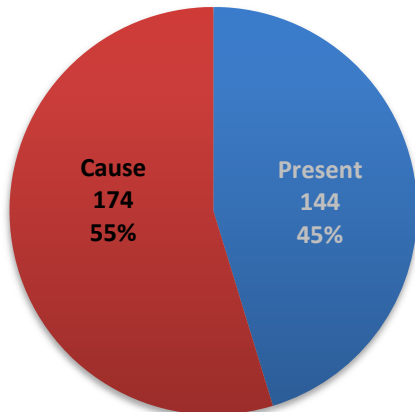
**Oxycodone Deaths**  
**Total Occurrences = 1,181**



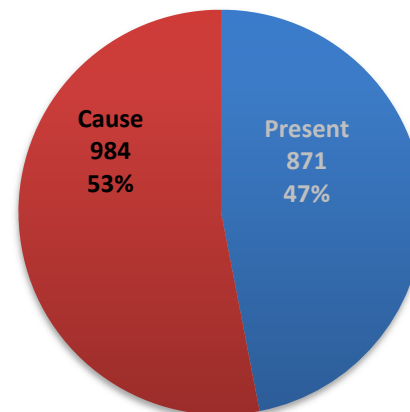
**Hydrocodone Deaths**  
**Total Occurrences = 558**



**Methadone Deaths**  
**Total Occurrences = 318**

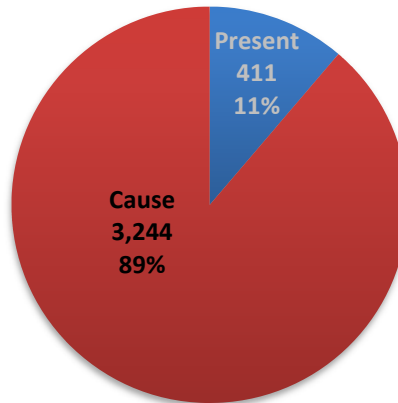


**Morphine Deaths**  
**Total Occurrences = 1,855**

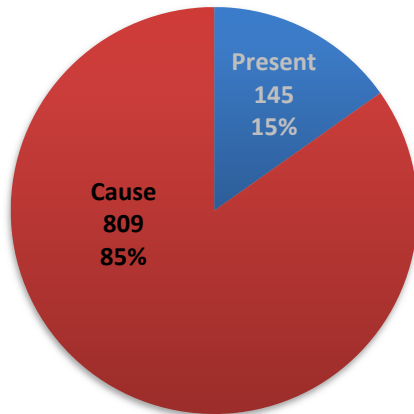


## 2019 Drug Detected at Death: Cause vs. Present

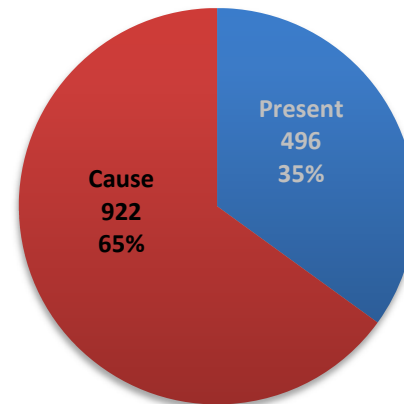
**Fentanyl Deaths**  
**Total Occurrences = 3,655**



**Heroin Deaths**  
**Total Occurrences = 954**

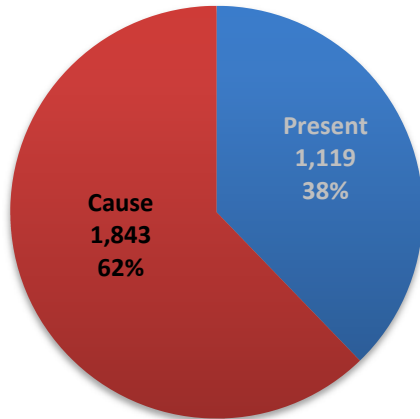


**Fentanyl Analogs Deaths**  
**Total Occurrences = 1,418**

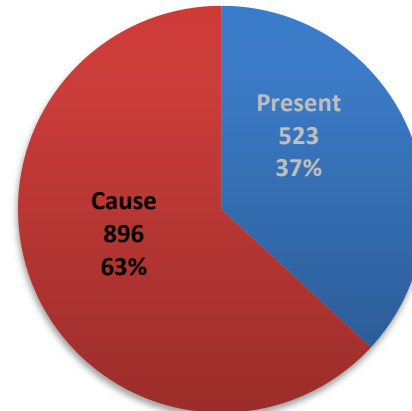


## 2019 Drug Detected at Death: Cause vs. Present

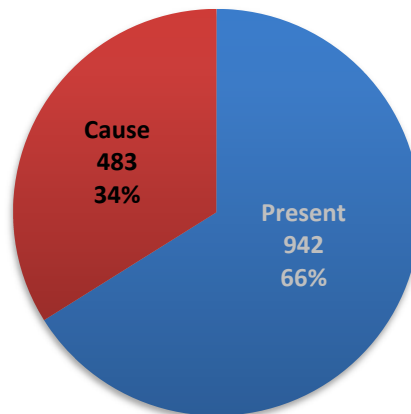
**Cocaine Deaths**  
**Total Occurrences = 2,962**



**Methamphetamine Deaths**  
**Total Occurrences = 1,419**

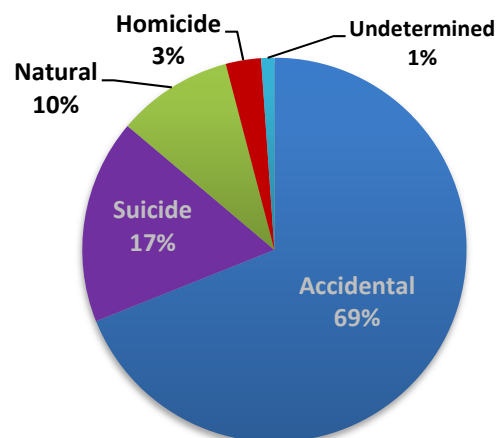


**Amphetamine Deaths**  
**Total Occurrences = 1,425**

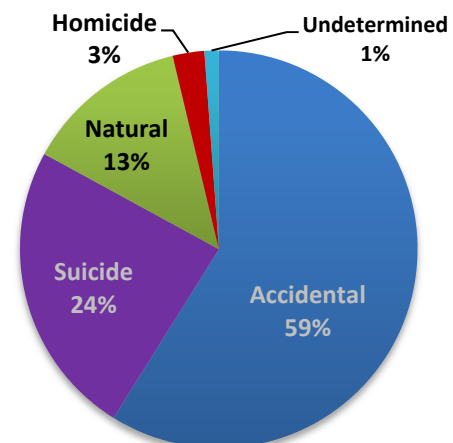


## 2019 Manner of Death for Reported Drug Occurrences

### Alprazolam Deaths

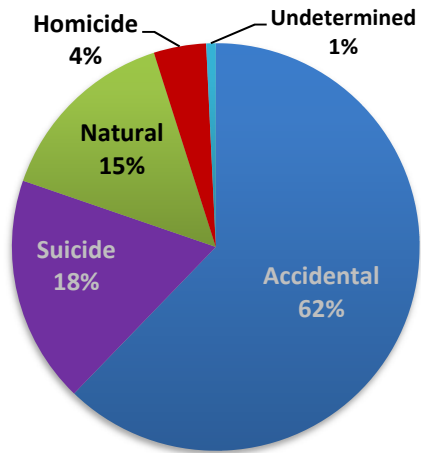


### Diazepam Deaths

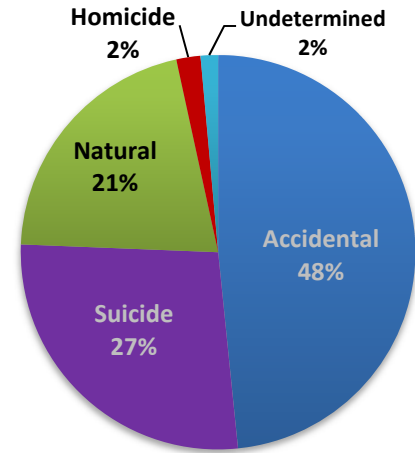


## 2019 Manner of Death for Reported Drug Occurrences

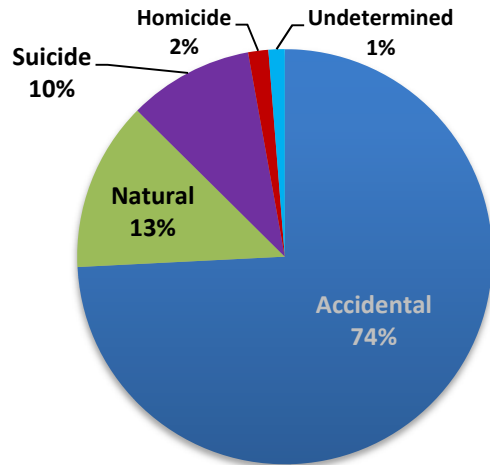
### Oxycodone Deaths



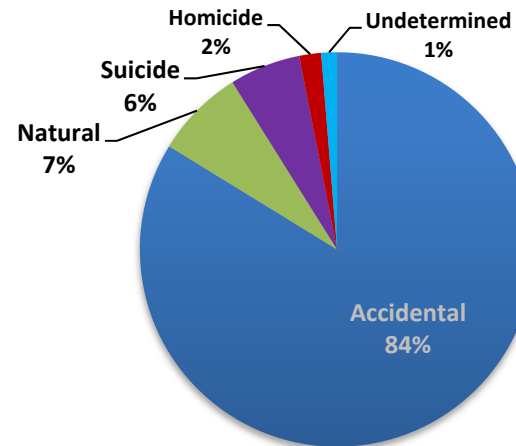
### Hydrocodone Deaths



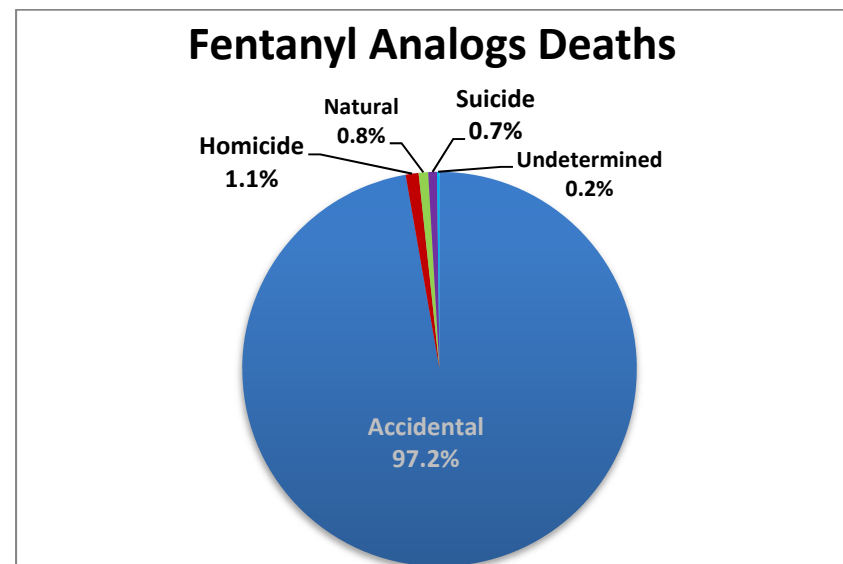
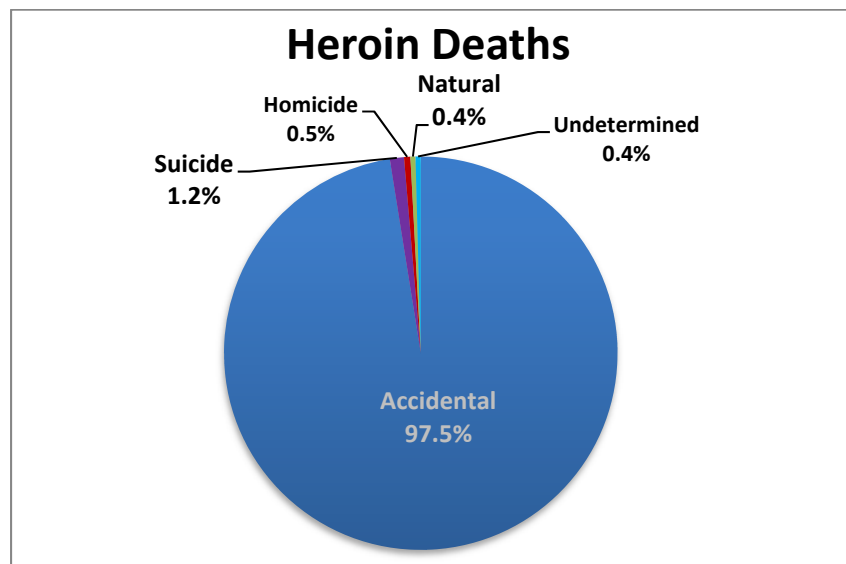
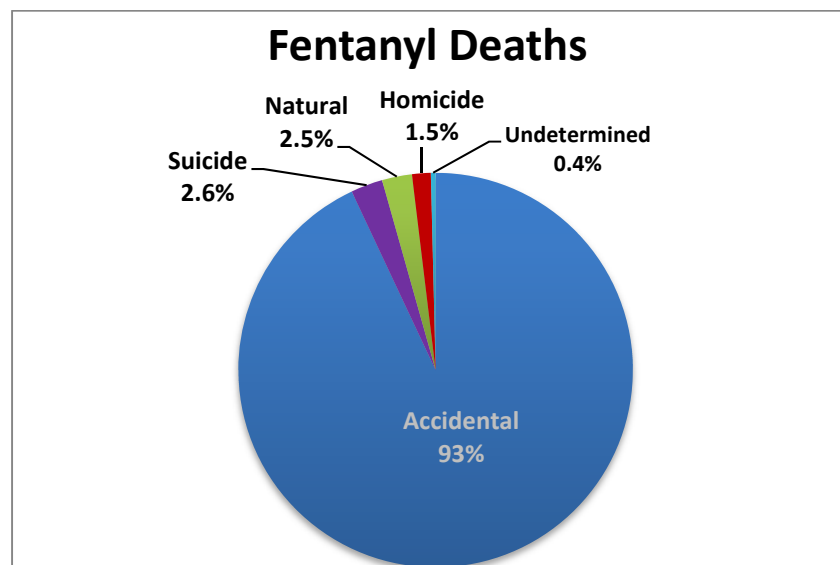
### Methadone Deaths



### Morphine Deaths

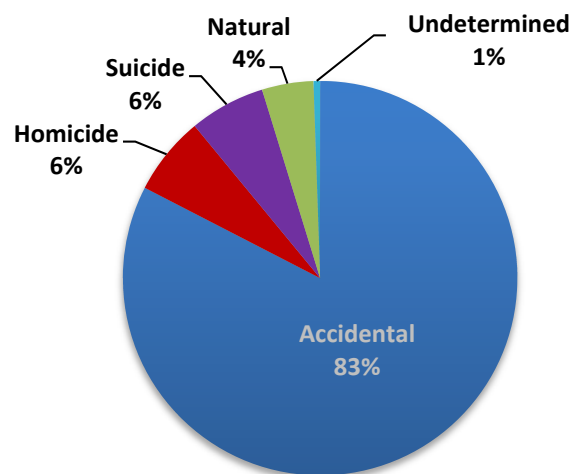


## 2019 Manner of Death for Reported Drug Occurrences

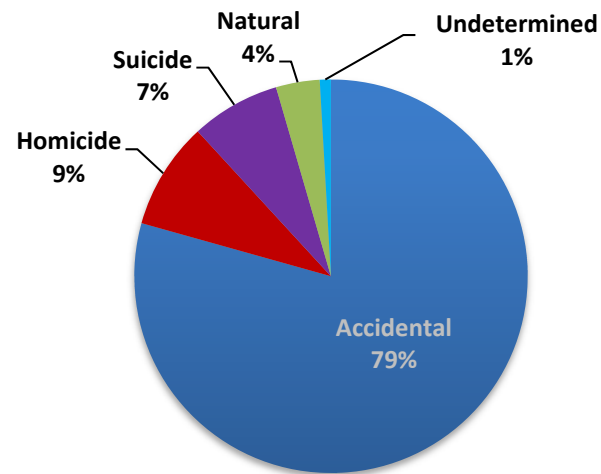


## 2019 Manner of Death for Reported Drug Occurrences

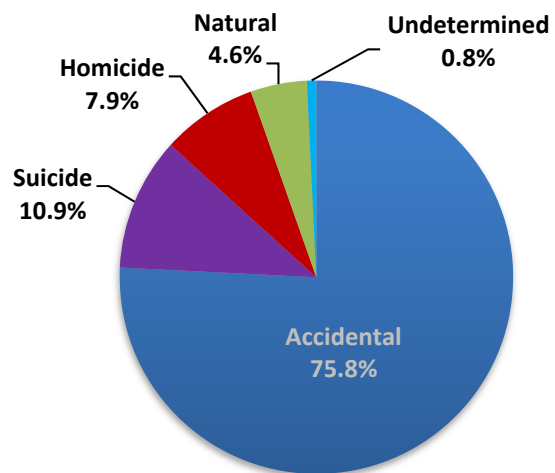
### Cocaine Deaths



### Methamphetamine Deaths



### Amphetamine Deaths



## **Analytes**

Below are specific analytes that were identified in the decedents:

### **Cathinones**

- N-Ethylpentylone
- Alpha-PiHP
- Dibutylone
- Butylone
- N-butylpentylone
- Methylone
- N-Dimethylpentylone
- 3,4 – Methylenedioxy-n-benzylcathinone
- Eutylone
- Ethylone

### **Synthetic Cannabinoids**

- 5F-ADB 3,3-Dimethyl-Butanoic Acid
- FUB-AMB 3-Methyl-Butanoic Acid / MMB-FUBINACA
- 5-Fluoro-ADB
- 5-Fluoro-MDMB-Pinaca / 5-Fluoro-EMB-Pinaca
- 5F-ADB-Butanoic Acid
- ADB-FUBINACA
- 4F-MDMB-BINACA
- 5F-ADB
- MMB2201 / 5F-MDMB-PICA
- FUB-AMB

### **Phenethylamines/Piperazines**

- 3,4-Methylenedioxyamphetamine
- 3,4-Methylenedioxymethamphetamine
- Ethylamphetamine
- Chlorophenylpiperazine

## Glossary

**4-ANPP (despropionyl fentanyl)** – A precursor chemical used in the manufacture of illicit fentanyl. 4-ANPP is also a metabolite of illicit fentanyl and fentanyl-related analogs.

**Amphetamines** – A group of synthetic psychoactive drugs called central nervous system (CNS) stimulants. The collective group of amphetamines includes amphetamine, dextroamphetamine and methamphetamine. Methamphetamine is also known as “meth,” “crank,” “speed,” and “tina.” Methamphetamine is metabolized to amphetamine and thus, occurrences of amphetamine may represent methamphetamine ingestion rather than amphetamine ingestion.

**Benzodiazepines** – A family of sedative-hypnotic drugs indicated for the treatment of stress, anxiety, seizures and alcohol withdrawal. Benzodiazepines are often referred to as “minor tranquilizers.” Xanax (alprazolam) and Valium (diazepam) are the most commonly prescribed drugs in this drug class. Many benzodiazepines are interconverted to one another, making occurrences of these drugs difficult to interpret. Exceptions include alprazolam, clonazepam, lorazepam and midazolam.

**Buprenorphine** – A semi-synthetic opioid known as Buprenex, Suboxone and Subutex indicated for the treatment of opioid addiction and moderate to severe pain.

**Cannabinoids** – A series of compounds found in the marijuana plant, the most psychoactive of which is THC, a strong, illicit hallucinogen. Street names for this drug are often associated with a geographic area from which it came but also include generic names like “ganja,” “MJ,” “ragweed,” “reefer,” and “grass.”

**Carisoprodol** – Muscle relaxant indicated for the treatment of pain, muscle spasms and limited mobility. It is often abused in conjunction with analgesics for enhanced euphoric effect. It is marketed as Soma.

**Cathinones** – A family of drugs containing one or more synthetic chemicals related to cathinone, an amphetamine-like stimulant found naturally in the Khat plant. They are cousins of MDMA and the amphetamine family of drugs, which includes amphetamine and methamphetamine.

**Cocaine** – An illicit stimulant. Powdered cocaine goes by many street names including “C,” “blow,” “snow,” and “nose candy,” while freebase cocaine is mostly commonly known as “crack.”

**Ethanol** – Ethyl alcohol.

**Fentanyl** – Synthetic opioid analgesic supplied in transdermal patches and also available for oral, nasal, intravenous and spinal administration. Fentanyl is also produced illicitly and currently most fentanyl occurrences represent the ingestion of illicit fentanyl rather than pharmaceutically manufactured fentanyl.

## Glossary (Continued)

**Fentanyl Analog** – A synthetic opioid structurally similar to fentanyl. Many analogs of fentanyl are pharmacologically more potent than fentanyl. Carfentanil is an analog of fentanyl approved for veterinary use only.

**Flunitrazepam (Rohypnol)** – Commonly referred to as a “date rape” drug. It is a sedative-hypnotic drug in the benzodiazepine class. It often goes by the street name “roofies.”

**Gamma-Hydroxybutyric Acid (GHB)** – A depressant, also known as a “date rape” drug. GHB often goes by the street name “easy lay,” “scoop,” “liquid X,” “Georgia home boy,” and “grievous bodily harm.”

**Hallucinogenic Phenethylamines/Piperazines** – Includes such drugs as MDMA (Ecstasy, a hallucinogen), MDA (a psychedelic), MDEA (a psychedelic hallucinogenic) and piperazine derivatives. Ecstasy has multiple street names including “Molly,” “E,” “XTC,” “love drug,” and “clarity.” MDMA is often also known by a large variety of embossed logos on the pills such as “Mitsubishis” and “Killer Bees.”

**Hallucinogenic Tryptamines** – Natural tryptamines are commonly available in preparations of dried or brewed mushrooms, while tryptamine derivatives are sold in capsule, tablet, powder, or liquid forms. Street names include “Foxy-Methoxy,” “alpha-O,” and “5-MEO.”

**Halogenated Inhalants** – Includes, but are not limited to, halogenated hydrocarbons, especially refrigerants such as difluoroethane, which is a component of “compressed air” electronics cleaners; these and similar halogenated substances are typically used illicitly as inhalants.

**Heroin** – An illicit narcotic derivative. It is a semi-synthetic product of opium. Heroin also has multiple street names including “H,” “hombre,” and “smack.”

**Hydrocarbon Inhalants** – Includes toluene, benzene, components of gasoline and other similar hydrocarbons typically used illicitly as inhalants.

**Hydrocodone** – A narcotic analgesic (pain killer). Vicodin and Lortab are two common drugs containing hydrocodone.

**Hydromorphone** – A narcotic analgesic (pain killer) used to treat moderate to severe pain. Marketed under the trade name Dilaudid, it is two to eight times more potent than morphine. Commonly used by abusers as a substitute for heroin.

**Ketamine** – An animal tranquilizer and a chemical relative of PCP. Street names for this drug include “special K,” “vitamin K,” and “cat valium.”

**Meperidine** – A synthetic narcotic analgesic (pain killer) sold under the trade name Demerol. It is used for pre-anesthesia and the relief of moderate to severe pain.

## Glossary (Continued)

**Methadone** – A synthetic narcotic analgesic (pain killer) commonly associated with heroin detoxification and maintenance programs and is also prescribed to treat severe pain. It has been increasingly prescribed in place of oxycodone for pain management. Dolophine is one form of methadone.

**Mitragynine** – An alkaloid found in the Kratom plant, which is consumed for its stimulant and analgesic (opioid-like) effects. The leaves of the Kratom plant, either whole or crushed, are smoked, chewed or prepared as tea. In addition, plant extract containing mitragynine is available in tablets and capsules.

**Morphine** – A narcotic analgesic (pain killer) used to treat moderate to severe pain. MS (Morphine Sulfate), Kadian and MS-Contin are the tablet forms; Roxanol is the liquid form. Heroin is metabolized to morphine, and thus, occurrences of morphine may represent heroin ingestion rather than morphine ingestion.

**Nitrous Oxide (N<sub>2</sub>O)** – Also known as "laughing gas," is an inhalant (gas) that produces light anesthesia and analgesia. "Whippets" are a common form of nitrous oxide.

**Oxycodone** – A narcotic analgesic (pain killer). OxyContin is one form of this drug and goes by the street name "OC." Percocet, Percodan, Roxicet, Tylox and Roxicodone also contain oxycodone.

**Oxymorphone** – A narcotic analgesic (pain killer) that is often prescribed as Opana, Numorphan and Numorphone. Oxycodone is metabolized to oxymorphone, and thus, occurrences of oxymorphone may represent oxycodone ingestion rather than oxymorphone ingestion.

**Phencyclidine (PCP)** – An illicit, dissociative anesthetic/hallucinogen. Common street names for this drug include "angel dust," "ace," "DOA," and "wack."

**PCP Analog** – A drug structurally related to phencyclidine.

**Sympathomimetic Amines** – A group of stimulants including phentermine (an appetite suppressant) and other sympathomimetic amines not tracked elsewhere in this report.

**Synthetic Cannabinoids** – Synthetic cannabinoids are manmade chemicals that are applied (often sprayed) onto plant material to mimic the effect of delta-9-tetrahydrocannabinol (THC), the psychoactive ingredient in the naturally grown marijuana plant (*cannabis sativa*). Synthetic cannabinoids, commonly known as "synthetic marijuana," "Spice," or "K2," are often sold in retail outlets as "herbal incense" or "potpourri" and are labeled "not for human consumption."

## **Glossary (Continued)**

**Tramadol** – A synthetic narcotic analgesic sold under the trade name Ultram and Ultracet. Indications include the treatment of moderate to severe pain. It is a chemical analogue to codeine. Not currently a scheduled drug.

**U-47700** – A synthetic opioid with a white or light-pink chalky appearance that is found in powder or tablet form. Common street names for this drug include “pink,” “pinky,” or “U4.”

**Zolpidem** – A prescription medication used for the short-term treatment of insomnia; it is commonly known as Ambien.