

# Drugs Identified in Deceased Persons by Florida Medical Examiners



2020 Annual Report

FLORIDA DEPARTMENT OF LAW ENFORCEMENT

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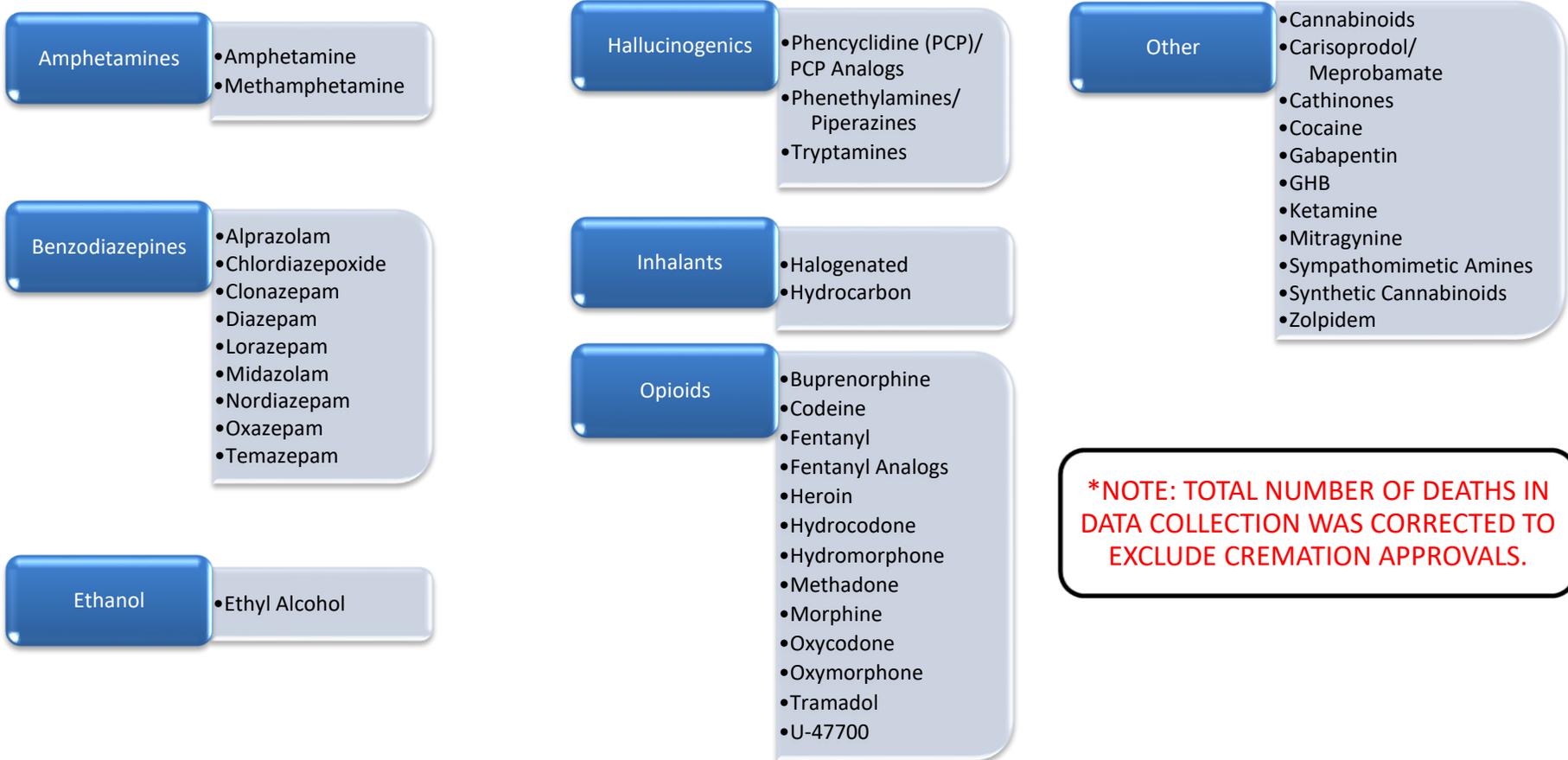
## Data Collection

The State of Florida's Bureau of Vital Statistics reported 243,088 deaths in Florida during 2020. Of the 44,577\* deaths investigated by Florida's medical examiners, toxicology results determined that the drugs listed below were present at the time of death in 14,708 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 14,708 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 2019 calendar year data unless otherwise noted.

- ✓ Total drug-related deaths increased by 17 percent (2,134 more).
- ✓ 7,842 opioid-related deaths were reported, which is a 28 percent increase (1,714 more). The opioids were identified as either the cause of death or merely present in the decedent.
- ✓ 6,089 opioid-caused deaths were reported, which is a 42 percent increase (1,795 more).
- ✓ 9,038 (1,896 more, 26.5 percent increase) 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.
- ✓ 6,194 (1,877 more, 43 percent increase) 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, gabapentin, 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 53 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 (6,017), fentanyl (5,806) benzodiazepines (4,405, including 1,662 alprazolam occurrences), cocaine (3,675), cannabinoids (3,442), methamphetamine (2,080), amphetamine (1,994), fentanyl analogs (1,975), morphine (1,632) and oxycodone (1,187). 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 (5,302), cocaine (2,400), ethyl alcohol (1,389), methamphetamine (1,386), benzodiazepines (1,152, including 722 alprazolam deaths), morphine (916), fentanyl analogs (848), amphetamine (768) and heroin (708). Fentanyl (91 percent), heroin (84 percent), mitragynine (67 percent), methamphetamine (67 percent), cocaine (65 percent), methadone (56 percent), and morphine (56 percent) were listed as causing death in more than 50 percent of the deaths in which these drugs were found.
- ✓ Occurrences of heroin decreased by 11.5 percent (110 less) and deaths caused by heroin decreased by 12 percent (101 less).
- ✓ Occurrences of fentanyl increased by 59 percent (2,151 more) and deaths caused by fentanyl increased by 63 percent (2,058 more).
- ✓ Occurrences of fentanyl analogs increased by 40 percent (561 more) and deaths caused by fentanyl analogs decreased by 8 percent (74 less).
- ✓ Occurrences of methadone increased by 17 percent (54 more) and deaths caused by methadone increased by 21 percent (36 more).
- ✓ Occurrences of hydrocodone decreased by 13 percent (71 less) and deaths caused by hydrocodone increased by 5 percent (9 more).

## Highlights (continued)

- ✓ Occurrences of oxycodone increased by 0.5 percent (6 more) and deaths caused by oxycodone increased by 5 percent (27 more).
- ✓ Occurrences of buprenorphine increased by 23 percent (48 more) and deaths caused by buprenorphine increased by 2 percent (1 more).
- ✓ Occurrences of cocaine increased by 24 percent (713 more) and deaths caused by cocaine increased by 30 percent (557 more).
- ✓ Occurrences of morphine decreased by 12 percent (223 less) and deaths caused by morphine decreased by 7 percent (68 less).
- ✓ Alprazolam (Xanax), clonazepam and diazepam (Valium) dominate the category of benzodiazepines. Occurrences of alprazolam increased by 9 percent, clonazepam increased by 30 percent, and diazepam decreased by 6 percent. Alprazolam, clonazepam and diazepam 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 47 percent (661 more) and deaths caused by methamphetamine increased by 55 percent (490 more). Occurrences of amphetamine increased by 40 percent (569 more) and deaths caused by amphetamine increased by 59 percent (285 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 increased by 197 percent (314 more) and deaths caused by cathinones increased by 263 percent (208 more). The majority of the cathinones reported were eutylone.
- ✓ Occurrences of synthetic cannabinoids decreased by 8 percent (4 less) and deaths caused by synthetic cannabinoids increased by 6 percent (2 more). The increase in synthetic cannabinoid occurrences is due, in part, to increased testing. The majority of the synthetic cannabinoids reported were 5-fluoro-MDMB-PICA.
- ✓ There were a total of 34 occurrences of difluoroethane reported in the halogenated inhalants category.
- ✓ Reporting of mitragynine and gabapentin by all districts began in 2020. A total of 246 occurrences of mitragynine were reported and a total of 861 occurrences of gabapentin were reported.
- ✓ Reporting of xylazine was not specifically requested by the Commission in 2020; however, many districts reported deaths with xylazine. A total of 99 occurrences of xylazine were reported for January – December 2020.
- ✓ The following drugs were removed as tracked drugs in 2020: estazolam, flunitrazepam, flurazepam, helium, meperidine, nitrous oxide and triazolam.

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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

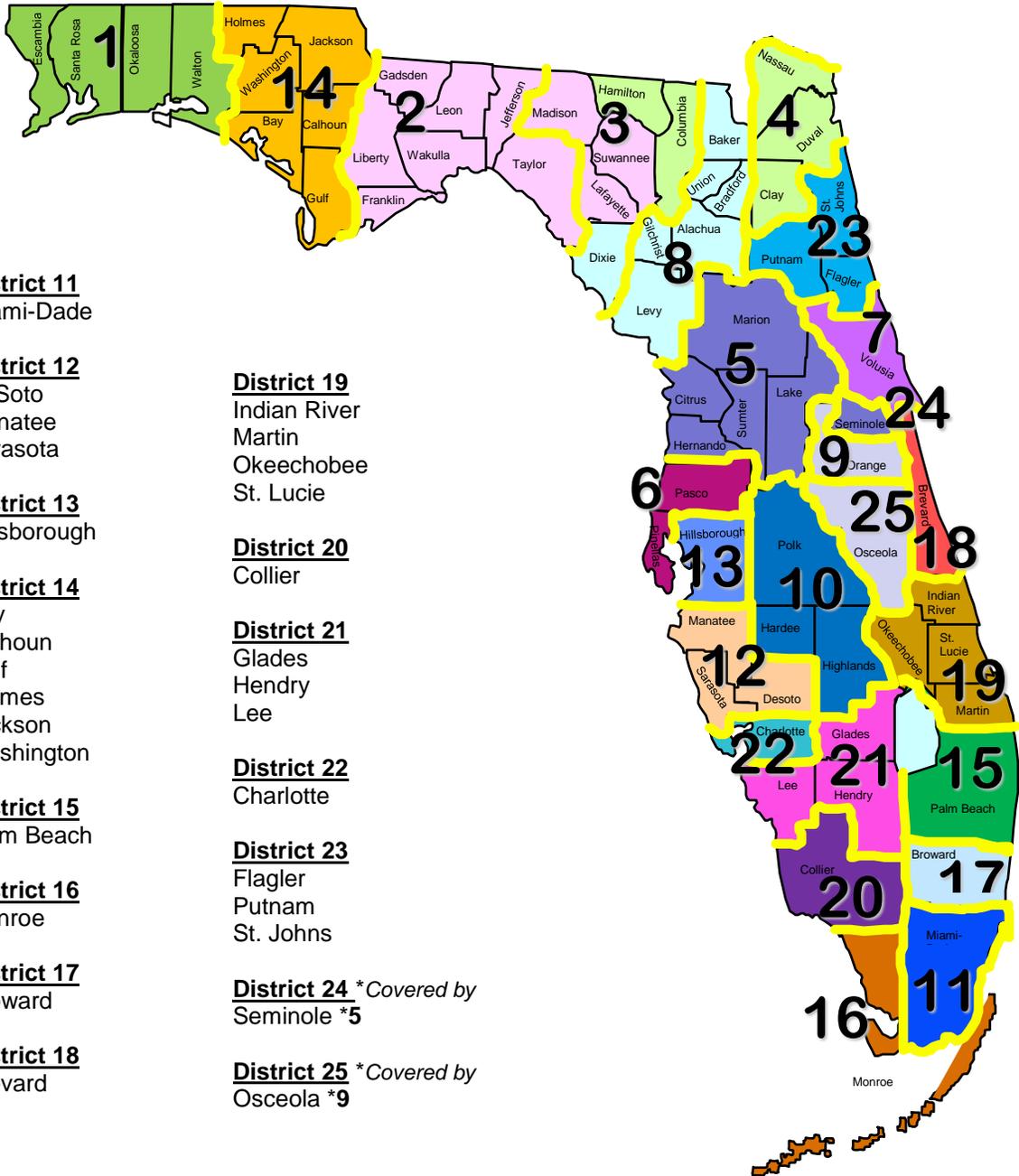
Flagler  
Putnam  
St. Johns

### District 24 \*Covered by

Seminole \*5

### District 25 \*Covered by

Osceola \*9



## Summary of Drug Occurrences in Decedents 2020

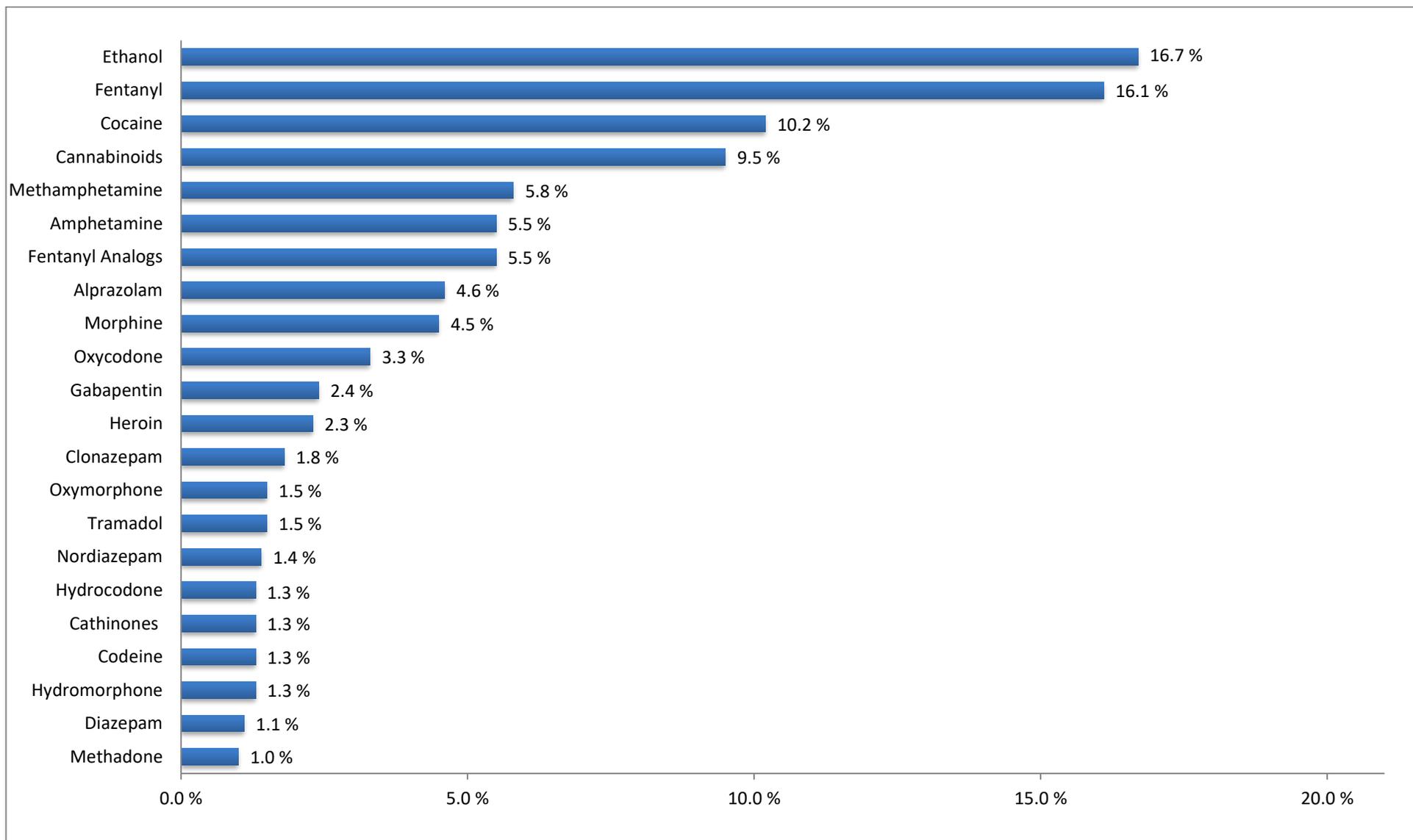
	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
Amphetamines	Amphetamine	768	1,226	1,994
	Methamphetamine	1,386	694	2,080
Benzodiazepines	Alprazolam	722	940	1,662
	Chlordiazepoxide	20	93	113
	Clonazepam	132	516	648
	Diazepam	104	299	403
	Lorazepam	20	240	260
	Midazolam	7	246	253
	Nordiazepam	81	441	522
	Oxazepam	18	239	257
	Temazepam	48	239	287
Ethanol		1,389	4,628	6,017
Hallucinogenics	Phencyclidine (PCP)/PCP Analogs	0	0	0
	Phenethylamines/Piperazines	51	64	115
	Tryptamines	3	5	8
Inhalants	Halogenated	30	5	35
	Hydrocarbon	3	0	3

## Summary of Drug Occurrences in Decedents (continued)

	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
Opioids	Buprenorphine	52	203	255
	Codeine	61	404	465
	Fentanyl	5,302	504	5,806
	Fentanyl Analogs	848	1,131	1,979
	Heroin	708	136	844
	Hydrocodone	174	313	487
	Hydromorphone	146	312	458
	Methadone	210	162	372
	Morphine	916	716	1,632
	Oxycodone	537	650	1,187
	Oxymorphone	121	430	551
	Tramadol	140	401	541
	U-47700	0	3	3
Other	Cannabinoids	42	3,400	3,442
	Carisoprodol/Meprobamate	16	35	51
	Cathinones	287	186	473
	Cocaine	2,400	1,275	3,675
	GHB	3	6	9
	Gabapentin	159	702	861
	Ketamine	12	147	159
	Mitragynine	166	80	246
	Sympathomimetic Amines	9	28	37
	Synthetic Cannabinoids	37	9	46
	Zolpidem	54	110	164

*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 2020



<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 2019 to 2020

DRUG PRESENT IN BODY		2019	2020	PERCENTAGE CHANGE
Amphetamines	Amphetamine	1,425	1,994	39.9%
	Methamphetamine	1,419	2,080	46.6%
Benzodiazepines	Alprazolam	1,523	1,662	9.1%
	Chlordiazepoxide	102	113	10.8%
	Clonazepam	497	648	30.4%
	Diazepam	428	403	-5.8%
	Lorazepam	246	260	5.7%
	Midazolam	216	253	17.1%
	Nordiazepam	533	522	-2.1%
	Oxazepam	299	257	-14.0%
	Temazepam	354	287	-18.9%
<b>Ethanol</b>		5,385	6,017	11.7%
Hallucinogenics	Phencyclidine (PCP) / PCP Analogs	0	0	*
	Phenethylamines/Piperazines	77	115	49.4%
	Tryptamines	5	8	*
Inhalants	Halogenated	29	35	20.7%
	Hydrocarbon	3	3	*

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

## Comparison of Drug Occurrences in Decedents (continued)

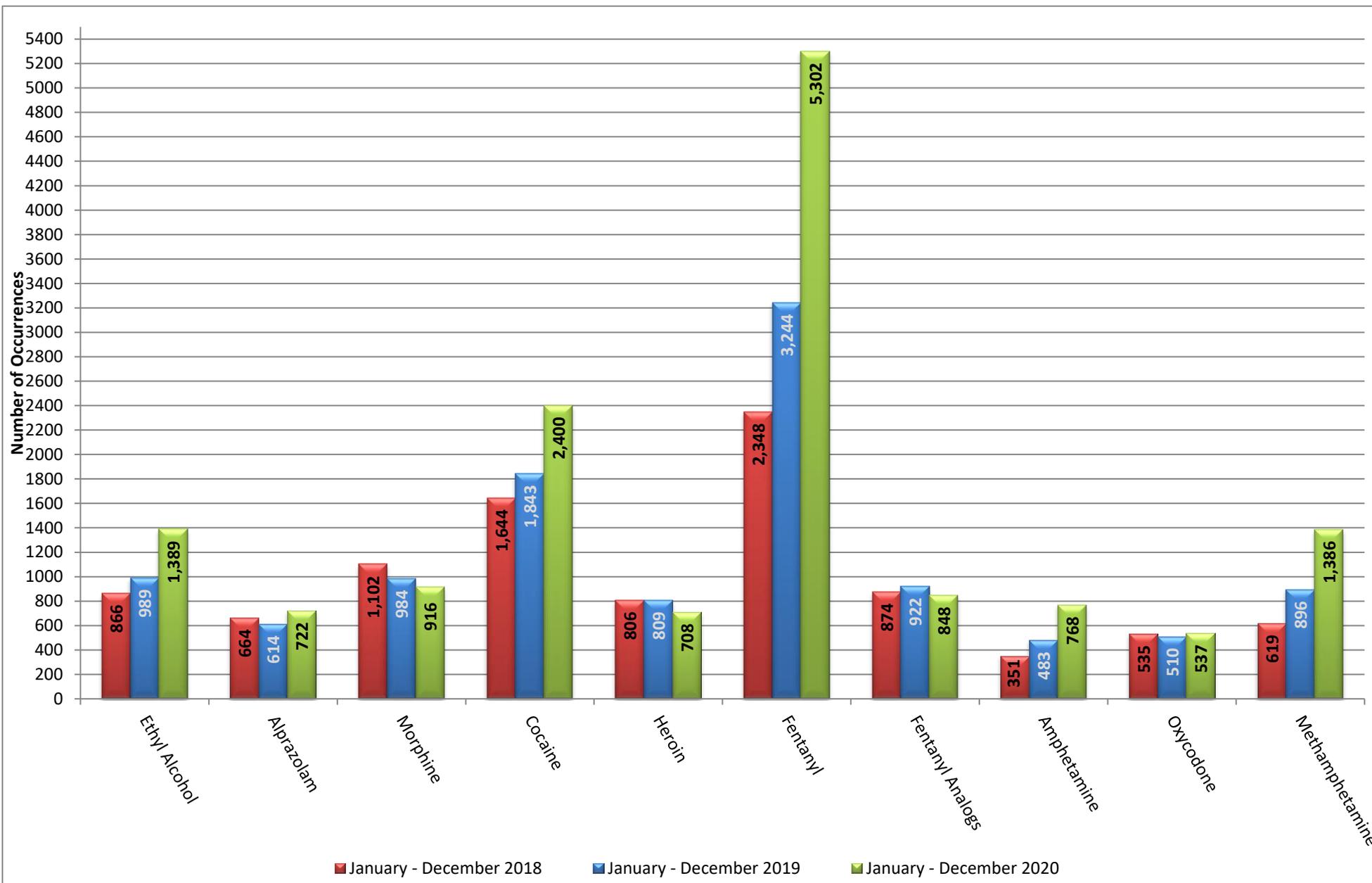
DRUG PRESENT IN BODY		2019	2020	PERCENTAGE CHANGE
<b>Opioids</b>	Buprenorphine	207	255	23.2%
	Codeine	574	465	-19.0%
	Fentanyl	3,655	5,806	58.9%
	Fentanyl Analogs	1,418	1,979	39.6%
	Heroin	954	844	-11.5%
	Hydrocodone	558	487	-12.7%
	Hydromorphone	525	458	-12.8%
	Methadone	318	372	17.0%
	Morphine	1,855	1,632	-12.0%
	Oxycodone	1,181	1,187	0.5%
	Oxymorphone	622	551	-11.4%
	Tramadol	447	541	21.0%
	U-47700	4	3	*
	<b>Other</b>	Cannabinoids	2,710	3,442
Carisoprodol/Meprobamate		62	51	-17.7%
Cathinones		159	473	197.5%
Cocaine		2,962	3,675	24.1%
GHB		7	9	*
Gabapentin		N/A	861	N/A
Ketamine		157	159	1.3%
Mitragynine		N/A	246	N/A
Sympathomimetic Amines		33	37	12.1%
Synthetic Cannabinoids		50	46	-8.0%
Zolpidem		158	164	3.8%

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

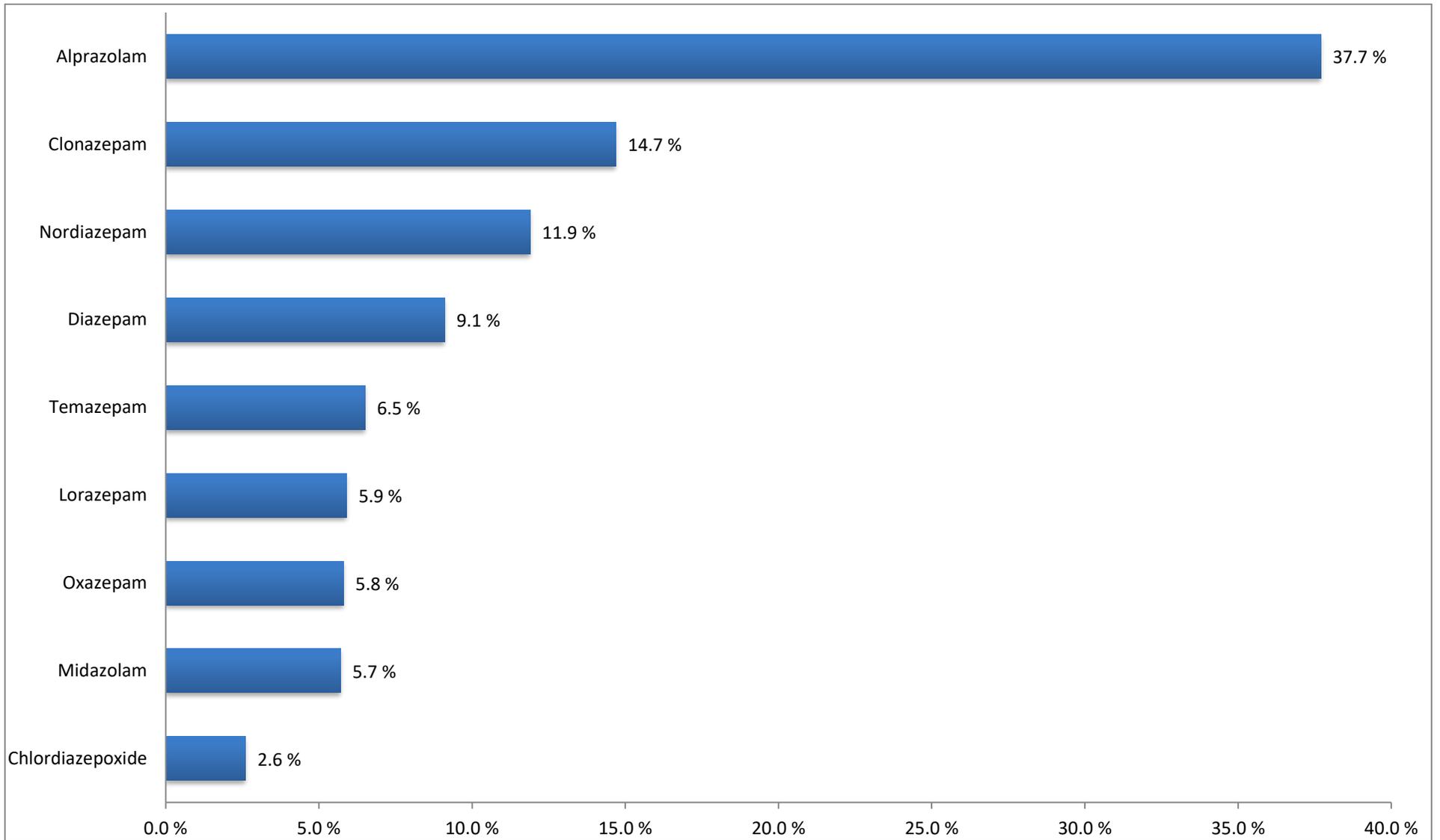
N/A – Drug was not officially tracked during the previous reporting year.

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 2018 to 2020



## Frequency of Occurrence of Benzodiazepines January – December 2020



*Note: 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 2020

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 Alprazolam		
Total	Cause	Present
65	40	25
3	3	0
5	1	4
95	35	60
40	20	20
234	149	85
48	13	35
13	8	5
74	21	53
63	14	49
221	104	117
77	34	43
103	61	42
31	13	18
193	67	126
2	1	1
162	97	65
42	6	36
39	6	33
39	7	32
54	9	45
8	0	8
19	5	14
12	4	8
20	4	16
<b>1,662</b>	<b>722</b>	<b>940</b>

Deaths with Alprazolam Only		
Total	Cause	Present
6	2	4
0	0	0
0	0	0
3	0	3
2	0	2
5	2	3
1	0	1
1	0	1
3	1	2
5	2	3
15	2	13
9	0	9
11	3	8
4	1	3
11	2	9
1	0	1
8	1	7
2	0	2
1	0	1
3	0	3
1	0	1
1	0	1
1	1	0
0	0	0
4	0	4
<b>98</b>	<b>17</b>	<b>81</b>

Deaths with Alprazolam in Combination with Other Drugs		
Total	Cause	Present
59	38	21
3	3	0
5	1	4
92	35	57
38	20	18
229	147	82
47	13	34
12	8	4
71	20	51
58	12	46
206	102	104
68	34	34
92	58	34
27	12	15
182	65	117
1	1	0
154	96	58
40	6	34
38	6	32
36	7	29
53	9	44
7	0	7
18	4	14
12	4	8
16	4	12
<b>1,564</b>	<b>705</b>	<b>859</b>

## Alprazolam Deaths by Age

January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	65
2	Tallahassee	3
3	Live Oak	5
4	Jacksonville	95
5	Leesburg	40
6	St. Petersburg	234
7	Daytona Beach	48
8	Gainesville	13
9	Orlando	74
10	Lakeland	63
11	Miami	221
12	Sarasota	77
13	Tampa	103
14	Panama City	31
15	West Palm Beach	193
16	Florida Keys	2
17	Ft. Lauderdale	162
18	Melbourne	42
19	Ft. Pierce	39
20	Naples	39
21	Ft. Myers	54
22	Port Charlotte	8
23	St. Augustine	19
24	Sanford	12
25	Kissimmee	20
<b>Statewide Totals</b>		<b>1,662</b>

Alprazolam Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
40	0	3	6	17	14
3	0	1	0	1	1
1	0	0	0	0	1
35	0	3	8	18	6
20	0	0	4	9	7
149	1	7	39	52	50
13	0	0	3	5	5
8	0	0	2	4	2
21	0	6	2	5	8
14	0	3	5	1	5
104	1	20	32	27	24
34	0	5	2	12	15
61	0	5	13	28	15
13	0	0	3	5	5
67	0	4	23	27	13
1	0	0	0	0	1
97	0	8	27	25	37
6	0	1	1	2	2
6	0	1	1	1	3
7	0	2	2	1	2
9	0	0	1	5	3
0	0	0	0	0	0
5	0	0	1	3	1
4	0	0	0	2	2
4	0	0	1	1	2
<b>722</b>	<b>2</b>	<b>69</b>	<b>176</b>	<b>251</b>	<b>224</b>

Alprazolam Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
25	0	3	3	9	10
0	0	0	0	0	0
4	0	1	0	1	2
60	0	2	15	26	17
20	0	2	1	13	4
85	0	6	12	40	27
35	0	2	12	8	13
5	0	0	0	2	3
53	1	5	13	13	21
49	0	5	17	12	15
117	2	16	15	37	47
43	1	1	10	12	19
42	0	5	6	14	17
18	0	1	1	5	11
126	0	8	38	36	44
1	0	0	0	0	1
65	0	2	9	27	27
36	0	2	13	13	8
33	1	3	4	11	14
32	0	2	4	11	15
45	0	1	8	23	13
8	0	0	5	1	2
14	0	0	2	5	7
8	0	1	3	4	0
16	0	2	2	7	5
<b>940</b>	<b>5</b>	<b>70</b>	<b>193</b>	<b>330</b>	<b>342</b>





## Clonazepam Deaths by Age

January – December 2020

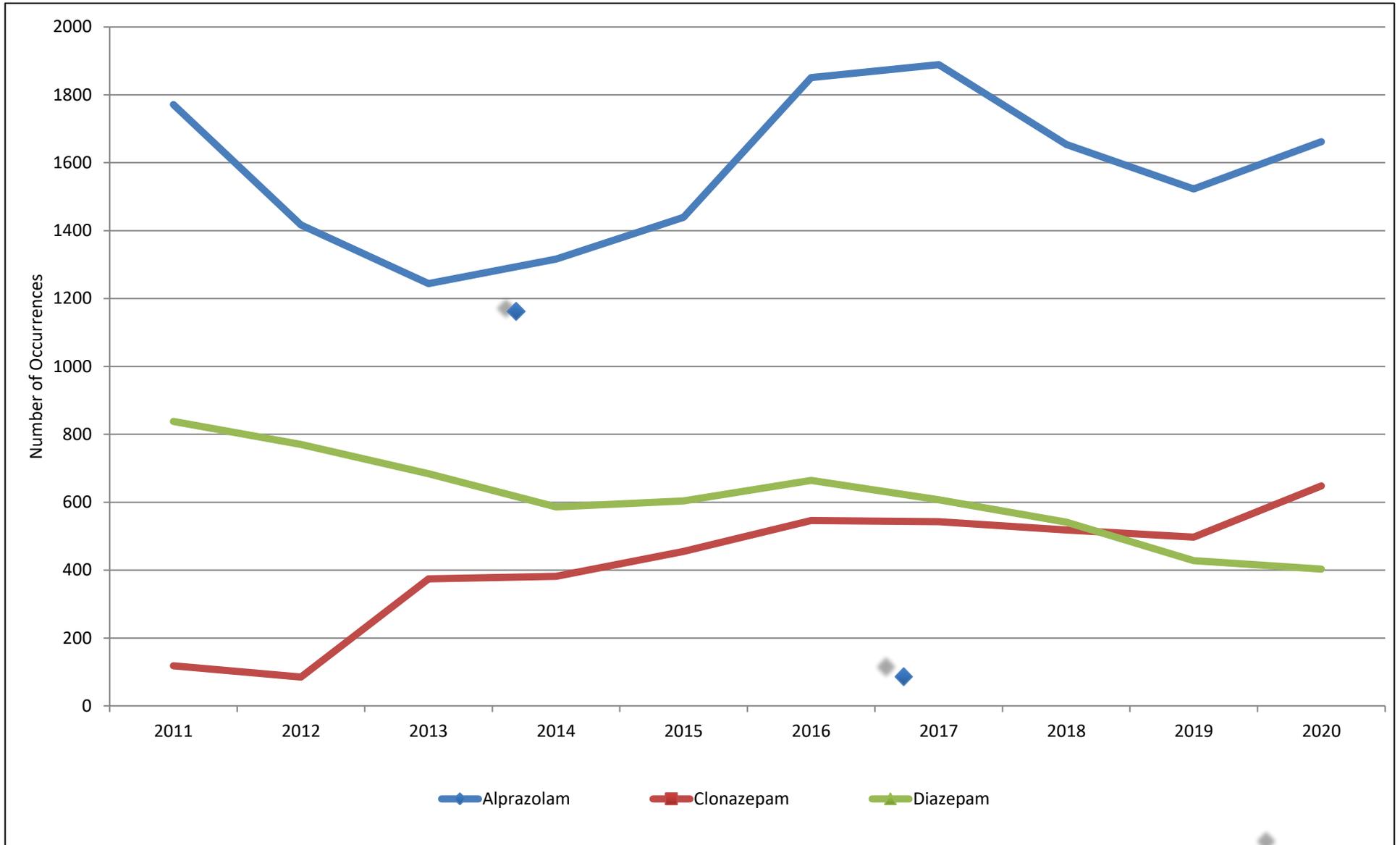
Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	8
2	Tallahassee	13
3	Live Oak	6
4	Jacksonville	43
5	Leesburg	24
6	St. Petersburg	100
7	Daytona Beach	22
8	Gainesville	0
9	Orlando	44
10	Lakeland	3
11	Miami	76
12	Sarasota	10
13	Tampa	1
14	Panama City	18
15	West Palm Beach	102
16	Florida Keys	1
17	Ft. Lauderdale	37
18	Melbourne	30
19	Ft. Pierce	28
20	Naples	14
21	Ft. Myers	33
22	Port Charlotte	9
23	St. Augustine	7
24	Sanford	7
25	Kissimmee	12
<b>Statewide Totals</b>		<b>648</b>

Clonazepam Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
3	0	0	1	0	2
3	0	0	1	0	2
0	0	0	0	0	0
8	0	1	1	2	4
6	0	1	1	2	2
56	0	3	15	25	13
1	0	0	0	1	0
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	0	2	0
9	0	2	3	3	1
2	0	0	0	1	1
1	0	0	0	1	0
2	0	0	0	2	0
6	0	1	2	0	3
0	0	0	0	0	0
15	0	0	3	5	7
6	0	1	0	2	3
4	0	1	0	1	2
0	0	0	0	0	0
5	0	0	1	2	2
1	0	0	0	1	0
0	0	0	0	0	0
1	0	0	0	0	1
0	0	0	0	0	0
<b>132</b>	<b>0</b>	<b>10</b>	<b>28</b>	<b>51</b>	<b>43</b>

Clonazepam Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
5	0	1	0	2	2
10	0	0	2	4	4
6	0	1	1	3	1
35	0	3	4	16	12
18	0	2	1	8	7
44	0	1	6	22	15
21	0	1	5	9	6
0	0	0	0	0	0
43	1	4	8	14	16
1	0	0	0	0	1
67	0	3	9	24	31
8	0	0	0	3	5
0	0	0	0	0	0
16	0	1	1	6	8
96	0	11	36	21	28
1	0	0	0	0	1
22	1	3	6	9	3
24	0	3	3	9	9
24	0	2	7	6	9
14	0	2	0	5	7
28	0	2	2	13	11
8	0	1	2	2	3
7	0	1	0	4	2
6	0	1	0	3	2
12	0	1	3	3	5
<b>516</b>	<b>2</b>	<b>44</b>	<b>96</b>	<b>186</b>	<b>188</b>



# Historical Overview of Alprazolam, Clonazepam and Diazepam Occurrences (Present and Cause) 2011 to 2020



## Oxycodone Deaths

January – December 2020

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
36	16	20
11	0	11
13	2	11
95	41	54
39	19	20
168	86	82
43	22	21
20	12	8
57	24	33
47	28	19
106	38	68
34	20	14
77	46	31
22	6	16
111	43	68
5	3	2
78	49	29
61	23	38
29	7	22
25	8	17
58	23	35
9	3	6
21	6	15
6	5	1
16	7	9
<b>1,187</b>	<b>537</b>	<b>650</b>

Deaths with Oxycodone Only		
Total	Cause	Present
3	0	3
0	0	0
3	0	3
13	2	11
2	0	2
14	3	11
0	0	0
1	0	1
7	2	5
7	3	4
2	0	2
2	0	2
3	1	2
0	0	0
5	1	4
2	0	2
6	1	5
7	1	6
4	0	4
3	0	3
5	1	4
0	0	0
1	0	1
0	0	0
2	0	2
<b>92</b>	<b>15</b>	<b>77</b>

Deaths with Oxycodone in Combination with Other Drugs		
Total	Cause	Present
33	16	17
11	0	11
10	2	8
82	39	43
37	19	18
154	83	71
43	22	21
19	12	7
50	22	28
40	25	15
104	38	66
32	20	12
74	45	29
22	6	16
106	42	64
3	3	0
72	48	24
54	22	32
25	7	18
22	8	14
53	22	31
9	3	6
20	6	14
6	5	1
14	7	7
<b>1,095</b>	<b>522</b>	<b>573</b>

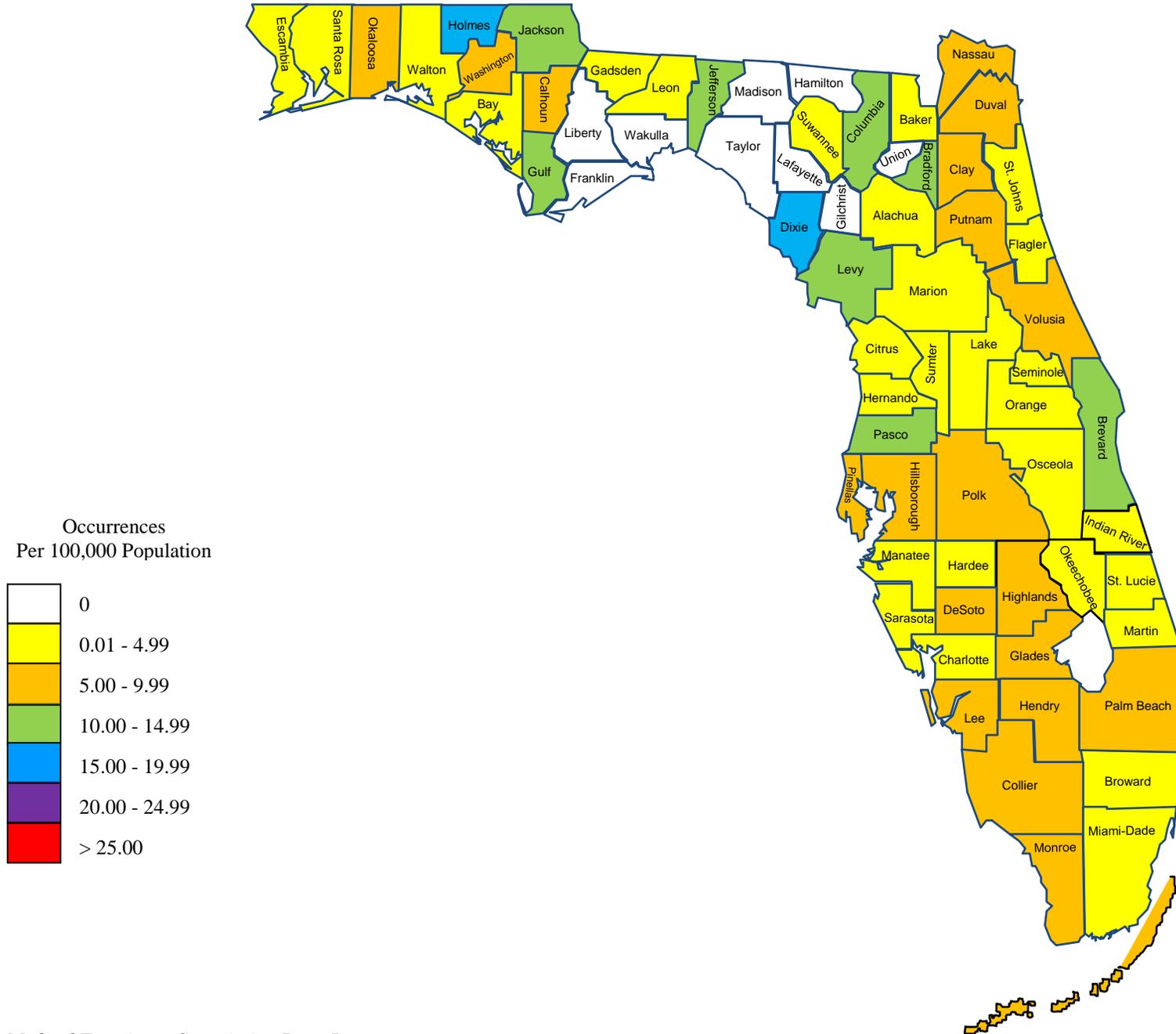
## Oxycodone Deaths by Age January - December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	36
2	Tallahassee	11
3	Live Oak	13
4	Jacksonville	95
5	Leesburg	39
6	St. Petersburg	168
7	Daytona Beach	43
8	Gainesville	20
9	Orlando	57
10	Lakeland	47
11	Miami	106
12	Sarasota	34
13	Tampa	77
14	Panama City	22
15	West Palm Beach	111
16	Florida Keys	5
17	Ft. Lauderdale	78
18	Melbourne	61
19	Ft. Pierce	29
20	Naples	25
21	Ft. Myers	58
22	Port Charlotte	9
23	St. Augustine	21
24	Sanford	6
25	Kissimmee	16
<b>Statewide Totals</b>		<b>1,187</b>

Oxycodone Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
16	0	2	3	4	7
0	0	0	0	0	0
2	0	0	0	0	2
41	0	3	6	13	19
19	0	2	1	12	4
86	1	8	13	24	40
22	0	0	3	7	12
12	0	0	2	5	5
24	0	5	3	9	7
28	0	2	6	10	10
38	1	9	7	9	12
20	0	1	1	7	11
46	0	1	8	22	15
6	0	0	0	3	3
43	0	2	8	21	12
3	0	0	0	1	2
49	0	5	7	14	23
23	1	1	3	10	8
7	0	0	1	1	5
8	0	1	1	4	2
23	0	1	4	3	15
3	0	0	0	1	2
6	0	0	1	0	5
5	0	0	0	3	2
7	0	0	0	3	4
<b>537</b>	<b>3</b>	<b>43</b>	<b>78</b>	<b>186</b>	<b>227</b>

Oxycodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
20	0	0	2	7	11
11	0	1	2	3	5
11	0	0	0	3	8
54	1	5	7	16	25
20	0	1	2	7	10
82	0	4	8	18	52
21	0	1	2	10	8
8	0	0	1	3	4
33	0	2	7	7	17
19	0	3	3	3	10
68	1	6	14	18	29
14	0	2	1	1	10
31	1	3	3	8	16
16	0	1	2	3	10
68	0	7	14	21	26
2	0	0	0	1	1
29	0	1	5	8	15
38	0	0	6	11	21
22	0	2	2	3	15
17	0	0	1	5	11
35	0	0	7	11	17
6	0	0	0	2	4
15	0	1	1	5	8
1	0	0	1	0	0
9	0	2	3	2	2
<b>650</b>	<b>3</b>	<b>42</b>	<b>94</b>	<b>176</b>	<b>335</b>

# Oxycodone Deaths by County 2020



## Hydrocodone Deaths

January – December 2020

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	13	21
18	1	17
12	4	8
57	25	32
27	10	17
68	36	32
22	6	16
11	2	9
12	3	9
21	4	17
18	6	12
18	4	14
13	6	7
23	4	19
24	6	18
2	2	0
10	6	4
22	11	11
11	4	7
3	0	3
29	9	20
5	1	4
10	7	3
7	3	4
10	1	9
<b>487</b>	<b>174</b>	<b>313</b>

Deaths with Hydrocodone Only		
Total	Cause	Present
5	0	5
1	0	1
3	0	3
5	0	5
7	0	7
6	1	5
3	0	3
2	0	2
5	0	5
4	1	3
0	0	0
3	1	2
2	1	1
1	0	1
0	0	0
0	0	0
2	0	2
2	1	1
0	0	0
1	0	1
6	0	6
0	0	0
1	0	1
1	0	1
4	0	4
<b>64</b>	<b>5</b>	<b>59</b>

Deaths with Hydrocodone in Combination with Other Drugs		
Total	Cause	Present
29	13	16
17	1	16
9	4	5
52	25	27
20	10	10
62	35	27
19	6	13
9	2	7
7	3	4
17	3	14
18	6	12
15	3	12
11	5	6
22	4	18
24	6	18
2	2	0
8	6	2
20	10	10
11	4	7
2	0	2
23	9	14
5	1	4
9	7	2
6	3	3
6	1	5
<b>423</b>	<b>169</b>	<b>254</b>

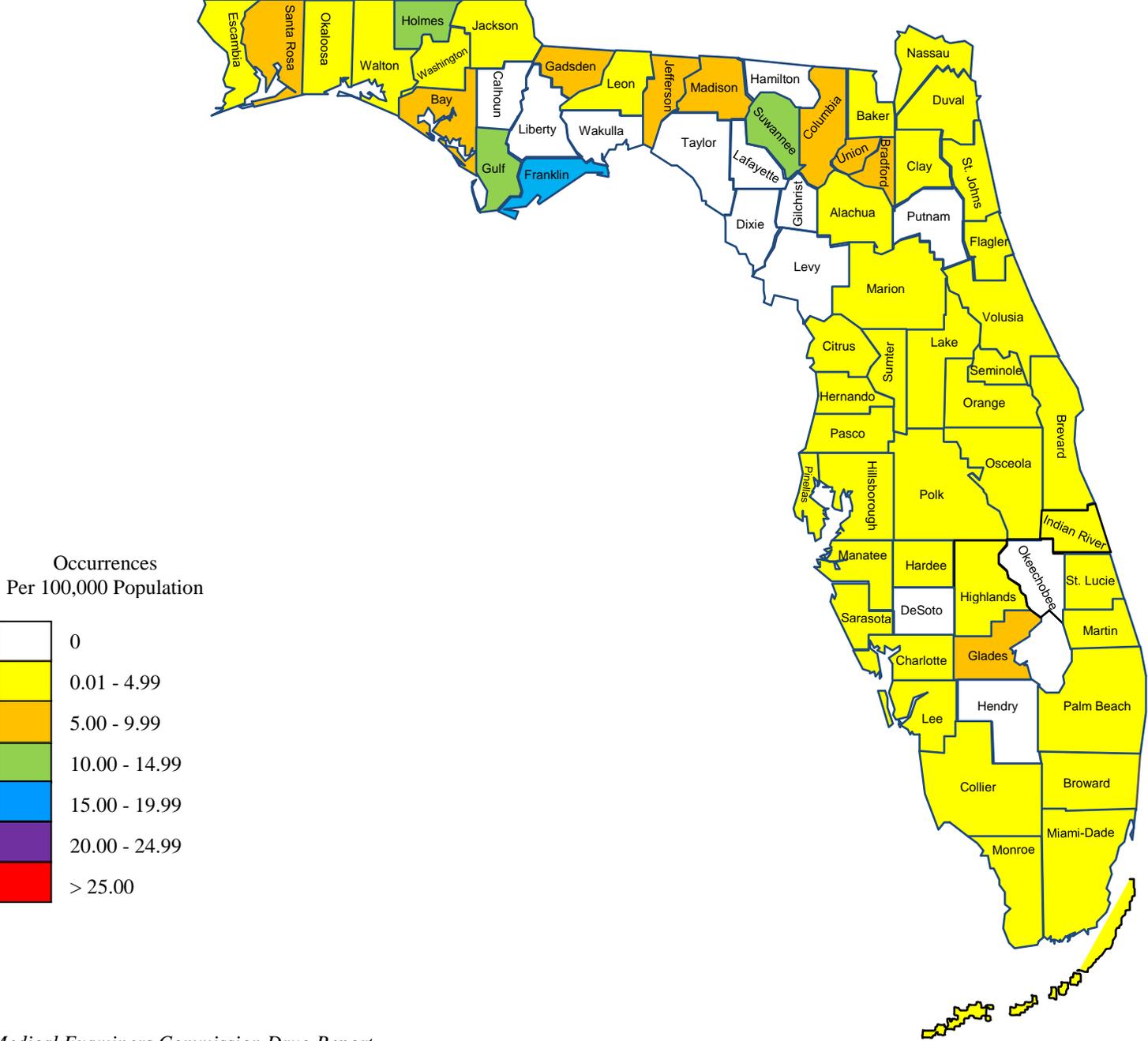
## Hydrocodone Deaths by Age January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	34
2	Tallahassee	18
3	Live Oak	12
4	Jacksonville	57
5	Leesburg	27
6	St. Petersburg	68
7	Daytona Beach	22
8	Gainesville	11
9	Orlando	12
10	Lakeland	21
11	Miami	18
12	Sarasota	18
13	Tampa	13
14	Panama City	23
15	West Palm Beach	24
16	Florida Keys	2
17	Ft. Lauderdale	10
18	Melbourne	22
19	Ft. Pierce	11
20	Naples	3
21	Ft. Myers	29
22	Port Charlotte	5
23	St. Augustine	10
24	Sanford	7
25	Kissimmee	10
<b>Statewide Totals</b>		<b>487</b>

Hydrocodone Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
13	0	0	1	6	6
1	0	0	0	0	1
4	0	0	0	0	4
25	0	1	5	11	8
10	0	1	1	3	5
36	0	0	2	10	24
6	0	0	0	3	3
2	0	0	0	0	2
3	0	0	0	2	1
4	0	1	0	0	3
6	0	1	2	1	2
4	0	0	0	0	4
6	0	0	2	1	3
4	0	0	1	1	2
6	0	0	3	2	1
2	0	0	0	0	2
6	0	1	1	1	3
11	0	1	0	5	5
4	0	0	0	2	2
0	0	0	0	0	0
9	0	0	1	4	4
1	0	0	0	0	1
7	0	0	1	0	6
3	0	1	0	2	0
1	0	0	1	0	0
<b>174</b>	<b>0</b>	<b>7</b>	<b>21</b>	<b>54</b>	<b>92</b>

Hydrocodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
21	1	2	1	4	13
17	0	1	1	6	9
8	0	0	0	2	6
32	1	3	5	9	14
17	0	1	1	1	14
32	0	0	2	5	25
16	0	0	2	4	10
9	0	0	0	4	5
9	0	0	0	2	7
17	0	3	0	4	10
12	0	0	1	4	7
14	0	1	1	3	9
7	0	0	2	0	5
19	0	1	1	5	12
18	0	0	4	1	13
0	0	0	0	0	0
4	0	0	0	1	3
11	0	0	1	4	6
7	0	1	1	2	3
3	0	0	0	0	3
20	0	0	0	8	12
4	0	0	0	2	2
3	0	0	0	0	3
4	0	0	0	1	3
9	0	0	1	2	6
<b>313</b>	<b>2</b>	<b>13</b>	<b>24</b>	<b>74</b>	<b>200</b>

# Hydrocodone Deaths by County 2020



## Methadone Deaths

January – December 2020

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 Methadone		
Total	Cause	Present
22	10	12
3	1	2
6	2	4
34	24	10
18	12	6
68	49	19
8	4	4
5	3	2
27	10	17
13	8	5
12	7	5
17	8	9
21	12	9
4	1	3
25	15	10
0	0	0
17	11	6
16	4	12
7	0	7
12	7	5
16	9	7
4	1	3
6	4	2
4	4	0
7	4	3
<b>372</b>	<b>210</b>	<b>162</b>

Deaths with Methadone Only		
Total	Cause	Present
5	0	5
1	0	1
0	0	0
2	2	0
2	0	2
6	4	2
2	1	1
1	0	1
3	0	3
3	2	1
0	0	0
2	1	1
3	0	3
1	0	1
1	0	1
0	0	0
3	1	2
2	1	1
0	0	0
0	0	0
3	1	2
1	0	1
0	0	0
0	0	0
1	1	0
<b>42</b>	<b>14</b>	<b>28</b>

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
17	10	7
2	1	1
6	2	4
32	22	10
16	12	4
62	45	17
6	3	3
4	3	1
24	10	14
10	6	4
12	7	5
15	7	8
18	12	6
3	1	2
24	15	9
0	0	0
14	10	4
14	3	11
7	0	7
12	7	5
13	8	5
3	1	2
6	4	2
4	4	0
6	3	3
<b>330</b>	<b>196</b>	<b>134</b>

## Methadone Deaths by Age January – December 2020

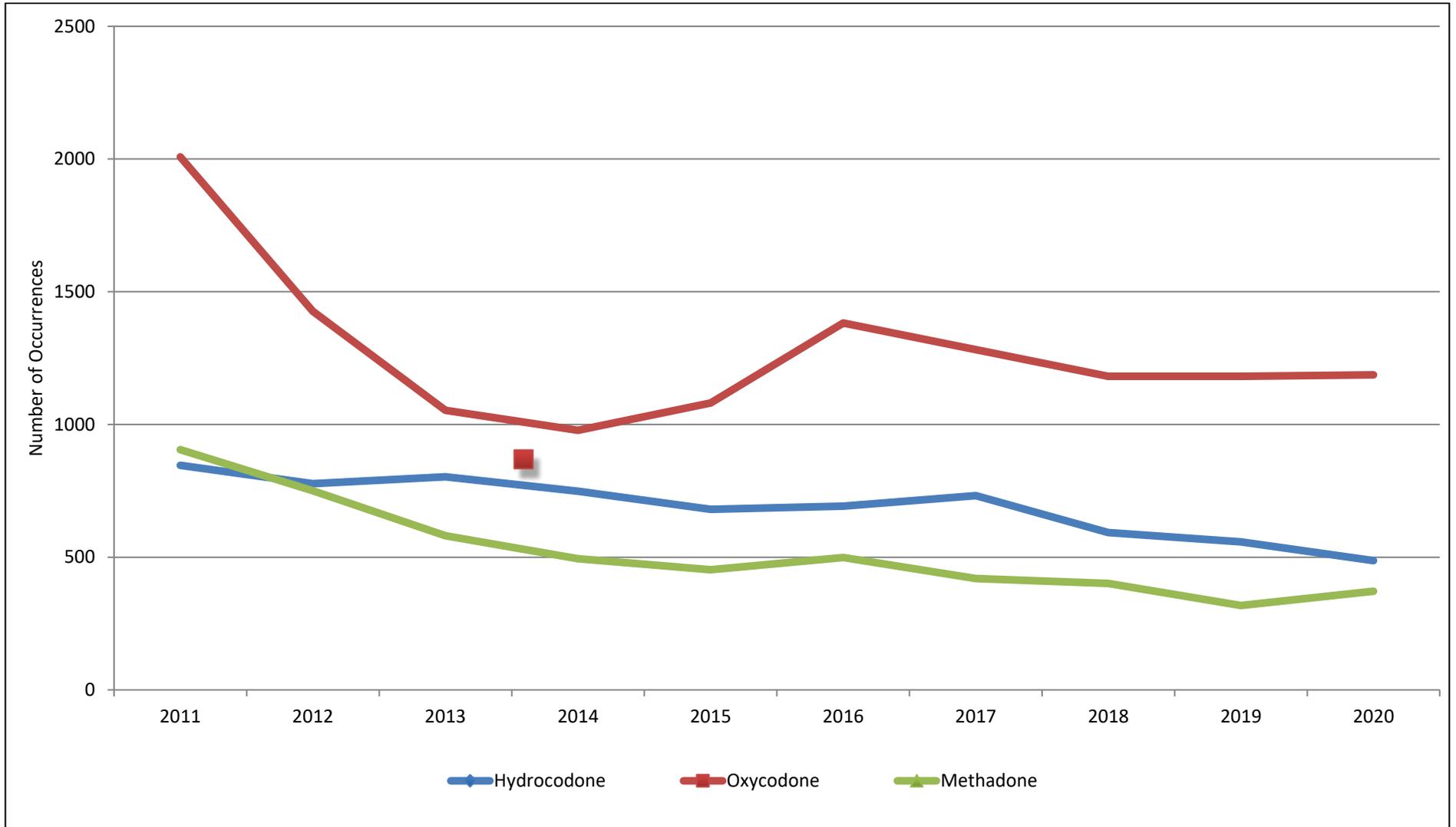
Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	22
2	Tallahassee	3
3	Live Oak	6
4	Jacksonville	34
5	Leesburg	18
6	St. Petersburg	68
7	Daytona Beach	8
8	Gainesville	5
9	Orlando	27
10	Lakeland	13
11	Miami	12
12	Sarasota	17
13	Tampa	21
14	Panama City	4
15	West Palm Beach	25
16	Florida Keys	0
17	Ft. Lauderdale	17
18	Melbourne	16
19	Ft. Pierce	7
20	Naples	12
21	Ft. Myers	16
22	Port Charlotte	4
23	St. Augustine	6
24	Sanford	4
25	Kissimmee	7
<b>Statewide Totals</b>		<b>372</b>

Methadone Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
10	0	0	0	4	6
1	0	0	1	0	0
2	0	1	0	1	0
24	0	2	5	10	7
12	0	0	2	7	3
49	1	0	10	20	18
4	0	1	0	1	2
3	0	0	1	2	0
10	0	1	2	5	2
8	0	1	0	2	5
7	0	0	4	1	2
8	0	0	3	4	1
12	0	1	0	4	7
1	0	0	0	1	0
15	0	0	2	8	5
0	0	0	0	0	0
11	0	0	1	4	6
4	0	0	3	0	1
0	0	0	0	0	0
7	0	1	1	3	2
9	0	0	1	4	4
1	0	0	0	1	0
4	0	1	0	3	0
4	0	0	0	4	0
4	0	0	2	1	1
<b>210</b>	<b>1</b>	<b>9</b>	<b>38</b>	<b>90</b>	<b>72</b>

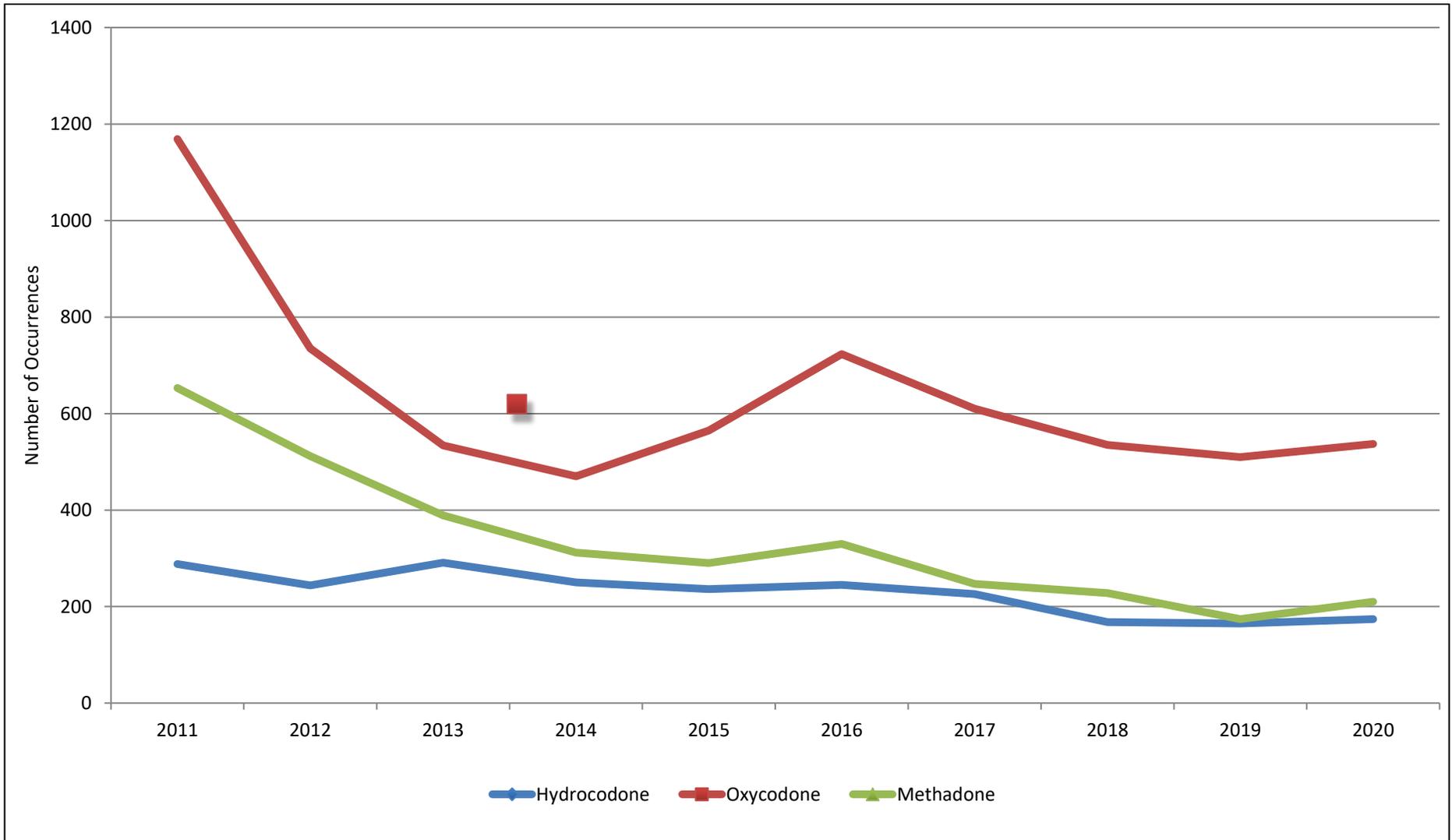
Methadone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
12	0	0	4	5	3
2	0	0	0	0	2
4	0	0	0	0	4
10	1	0	2	4	3
6	0	0	1	2	3
19	0	0	5	8	6
4	0	0	0	3	1
2	0	1	0	0	1
17	0	1	3	5	8
5	0	0	1	4	0
5	0	1	1	2	1
9	0	1	1	5	2
9	0	0	1	4	4
3	0	1	1	0	1
10	0	0	1	2	7
0	0	0	0	0	0
6	0	0	0	3	3
12	0	2	1	3	6
7	1	0	1	2	3
5	0	0	1	3	1
7	0	0	0	5	2
3	0	0	0	2	1
2	0	0	0	0	2
0	0	0	0	0	0
3	0	0	1	0	2
<b>162</b>	<b>2</b>	<b>7</b>	<b>25</b>	<b>62</b>	<b>66</b>



# Historical Overview of Hydrocodone, Oxycodone, and Methadone Occurrences (Present and Cause) 2011 to 2020



# Historical Overview of Deaths Caused by Hydrocodone, Oxycodone, and Methadone 2011 to 2020



## Morphine Deaths

January – December 2020

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
109	32	77
17	2	15
10	3	7
67	43	24
75	64	11
155	107	48
71	36	35
24	9	15
103	54	49
62	21	41
98	57	41
46	13	33
178	148	30
28	6	22
188	85	103
0	0	0
151	91	60
57	28	29
22	14	8
28	18	10
52	33	19
21	2	19
17	12	5
16	13	3
37	25	12
<b>1,632</b>	<b>916</b>	<b>716</b>

Deaths with Morphine Only		
Total	Cause	Present
4	0	4
1	0	1
0	0	0
4	1	3
3	0	3
2	1	1
0	0	0
3	0	3
13	0	13
7	3	4
4	0	4
1	0	1
6	3	3
0	0	0
2	0	2
0	0	0
8	0	8
5	2	3
0	0	0
0	0	0
2	0	2
0	0	0
0	0	0
0	0	0
4	1	3
<b>69</b>	<b>11</b>	<b>58</b>

Deaths with Morphine in Combination with Other Drugs		
Total	Cause	Present
105	32	73
16	2	14
10	3	7
63	42	21
72	64	8
153	106	47
71	36	35
21	9	12
90	54	36
55	18	37
94	57	37
45	13	32
172	145	27
28	6	22
186	85	101
0	0	0
143	91	52
52	26	26
22	14	8
28	18	10
50	33	17
21	2	19
17	12	5
16	13	3
33	24	9
<b>1,563</b>	<b>905</b>	<b>658</b>

## Morphine Deaths by Age

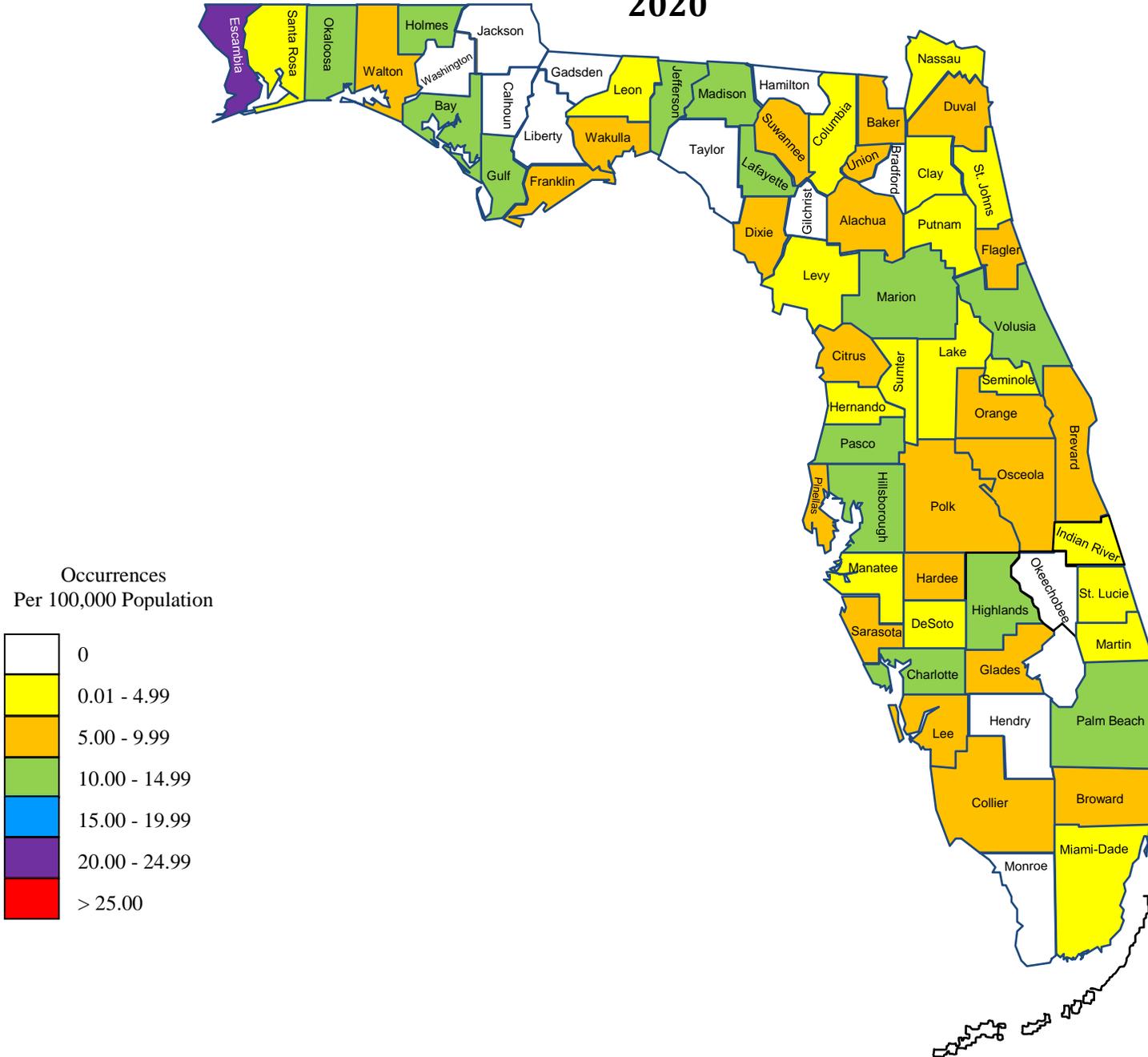
January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	109
2	Tallahassee	17
3	Live Oak	10
4	Jacksonville	67
5	Leesburg	75
6	St. Petersburg	155
7	Daytona Beach	71
8	Gainesville	24
9	Orlando	103
10	Lakeland	62
11	Miami	98
12	Sarasota	46
13	Tampa	178
14	Panama City	28
15	West Palm Beach	188
16	Florida Keys	0
17	Ft. Lauderdale	151
18	Melbourne	57
19	Ft. Pierce	22
20	Naples	28
21	Ft. Myers	52
22	Port Charlotte	21
23	St. Augustine	17
24	Sanford	16
25	Kissimmee	37
<b>Statewide Totals</b>		<b>1,632</b>

Morphine Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
32	0	2	10	9	11	
2	0	0	1	0	1	
3	0	0	2	0	1	
43	0	0	13	16	14	
64	0	2	19	26	17	
107	0	4	15	40	48	
36	0	0	7	14	15	
9	0	1	2	3	3	
54	0	0	17	21	16	
21	0	1	3	7	10	
57	0	7	12	19	19	
13	0	1	0	5	7	
148	0	8	27	65	48	
6	0	0	0	2	4	
85	0	10	26	30	19	
0	0	0	0	0	0	
91	0	8	23	29	31	
28	0	2	5	7	14	
14	0	1	4	2	7	
18	0	0	5	6	7	
33	0	2	7	8	16	
2	0	0	1	0	1	
12	0	0	4	6	2	
13	0	0	5	4	4	
25	0	2	2	12	9	
<b>916</b>	<b>0</b>	<b>51</b>	<b>210</b>	<b>331</b>	<b>324</b>	

Morphine Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
77	1	2	15	27	32	
15	0	1	2	7	5	
7	0	0	0	4	3	
24	0	1	4	10	9	
11	0	1	2	2	6	
48	0	3	11	17	17	
35	0	1	10	18	6	
15	0	0	2	4	9	
49	1	0	3	8	37	
41	0	4	6	14	17	
41	0	2	2	13	24	
33	0	4	10	13	6	
30	0	1	2	14	13	
22	0	0	6	9	7	
103	1	14	25	36	27	
0	0	0	0	0	0	
60	0	4	7	17	32	
29	1	2	4	9	13	
8	0	0	2	2	4	
10	0	0	3	5	2	
19	1	0	4	5	9	
19	0	0	6	5	8	
5	0	0	0	3	2	
3	0	0	0	1	2	
12	0	0	2	3	7	
<b>716</b>	<b>5</b>	<b>40</b>	<b>128</b>	<b>246</b>	<b>297</b>	

# Morphine Deaths by County 2020



## Fentanyl Deaths

January – December 2020

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 Fentanyl		
Total	Cause	Present
199	162	37
29	23	6
15	12	3
588	534	54
213	195	18
591	570	21
301	285	16
51	43	8
405	346	59
134	123	11
334	301	33
224	211	13
339	331	8
48	38	10
634	572	62
12	11	1
642	611	31
279	244	35
158	134	24
76	71	5
288	269	19
26	22	4
77	66	11
45	42	3
98	86	12
<b>5,806</b>	<b>5,302</b>	<b>504</b>

Deaths with Fentanyl Only		
Total	Cause	Present
17	14	3
1	1	0
1	1	0
54	50	4
11	10	1
46	43	3
8	8	0
9	6	3
30	19	11
8	7	1
4	1	3
8	8	0
50	50	0
5	1	4
31	17	14
1	1	0
15	11	4
11	10	1
16	11	5
4	4	0
7	5	2
0	0	0
2	1	1
4	4	0
10	6	4
<b>353</b>	<b>289</b>	<b>64</b>

Deaths with Fentanyl in Combination with Other Drugs		
Total	Cause	Present
182	148	34
28	22	6
14	11	3
534	484	50
202	185	17
545	527	18
293	277	16
42	37	5
375	327	48
126	116	10
330	300	30
216	203	13
289	281	8
43	37	6
603	555	48
11	10	1
627	600	27
268	234	34
142	123	19
72	67	5
281	264	17
26	22	4
75	65	10
41	38	3
88	80	8
<b>5,453</b>	<b>5,013</b>	<b>440</b>

## Fentanyl Deaths by Age

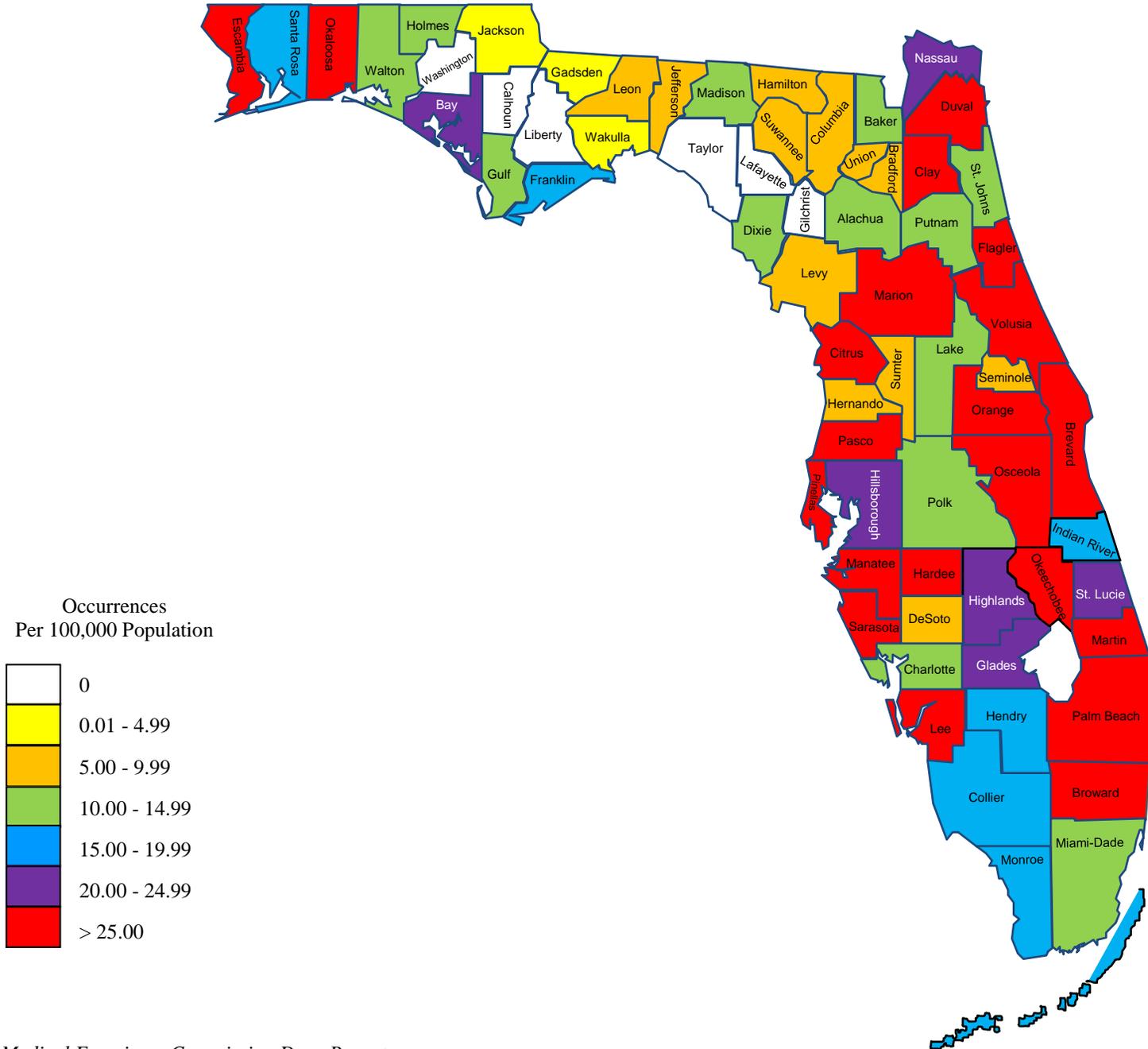
January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	199
2	Tallahassee	29
3	Live Oak	15
4	Jacksonville	588
5	Leesburg	213
6	St. Petersburg	591
7	Daytona Beach	301
8	Gainesville	51
9	Orlando	405
10	Lakeland	134
11	Miami	334
12	Sarasota	224
13	Tampa	339
14	Panama City	48
15	West Palm Beach	634
16	Florida Keys	12
17	Ft. Lauderdale	642
18	Melbourne	279
19	Ft. Pierce	158
20	Naples	76
21	Ft. Myers	288
22	Port Charlotte	26
23	St. Augustine	77
24	Sanford	45
25	Kissimmee	98
<b>Statewide Totals</b>		<b>5,806</b>

Fentanyl Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
162	1	13	41	68	39
23	0	2	4	10	7
12	0	0	3	5	4
534	2	37	140	252	103
195	1	13	52	82	47
570	2	28	145	240	155
285	0	12	81	118	74
43	1	3	14	21	4
346	1	31	87	140	87
123	1	14	43	31	34
301	1	38	71	104	87
211	0	18	52	104	37
331	1	30	86	137	77
38	0	3	9	20	6
572	2	65	180	208	117
11	0	0	4	6	1
611	1	54	152	231	173
244	1	21	62	100	60
134	0	8	39	62	25
71	1	7	20	27	16
269	3	17	65	119	65
22	0	0	10	8	4
66	0	5	23	28	10
42	0	7	12	15	8
86	0	12	16	45	13
<b>5,302</b>	<b>19</b>	<b>438</b>	<b>1,411</b>	<b>2,181</b>	<b>1,253</b>

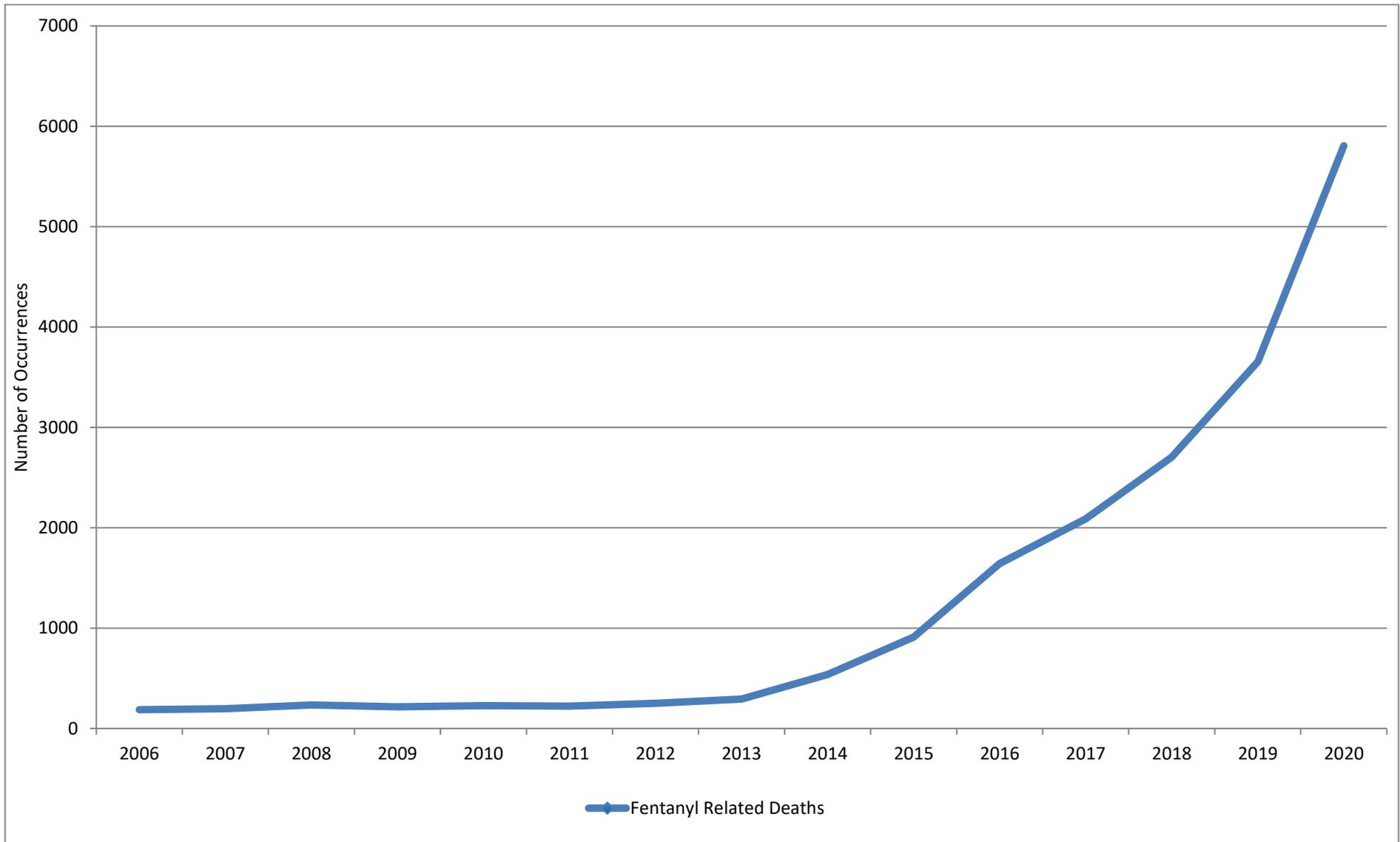
Fentanyl Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
37	0	2	10	9	16
6	0	1	1	3	1
3	0	0	1	0	2
54	2	2	17	22	11
18	0	1	2	11	4
21	1	0	1	12	7
16	0	2	4	5	5
8	0	1	2	2	3
59	5	2	9	14	29
11	0	0	1	4	6
33	1	3	7	11	11
13	0	0	3	8	2
8	0	0	2	3	3
10	0	1	4	1	4
62	2	5	8	19	28
1	0	0	1	0	0
31	2	3	4	11	11
35	0	5	4	11	15
24	1	1	6	8	8
5	0	0	2	3	0
19	0	2	8	4	5
4	0	0	1	0	3
11	0	1	1	5	4
3	0	1	0	1	1
12	0	0	1	3	8
<b>504</b>	<b>14</b>	<b>33</b>	<b>100</b>	<b>170</b>	<b>187</b>

# Fentanyl Deaths by County 2020



# Historical Overview of Fentanyl Occurrences<sup>1</sup>

(Present and Cause)  
2006 to 2020



<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 2019 versus 2020

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>	
<p><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></p>	

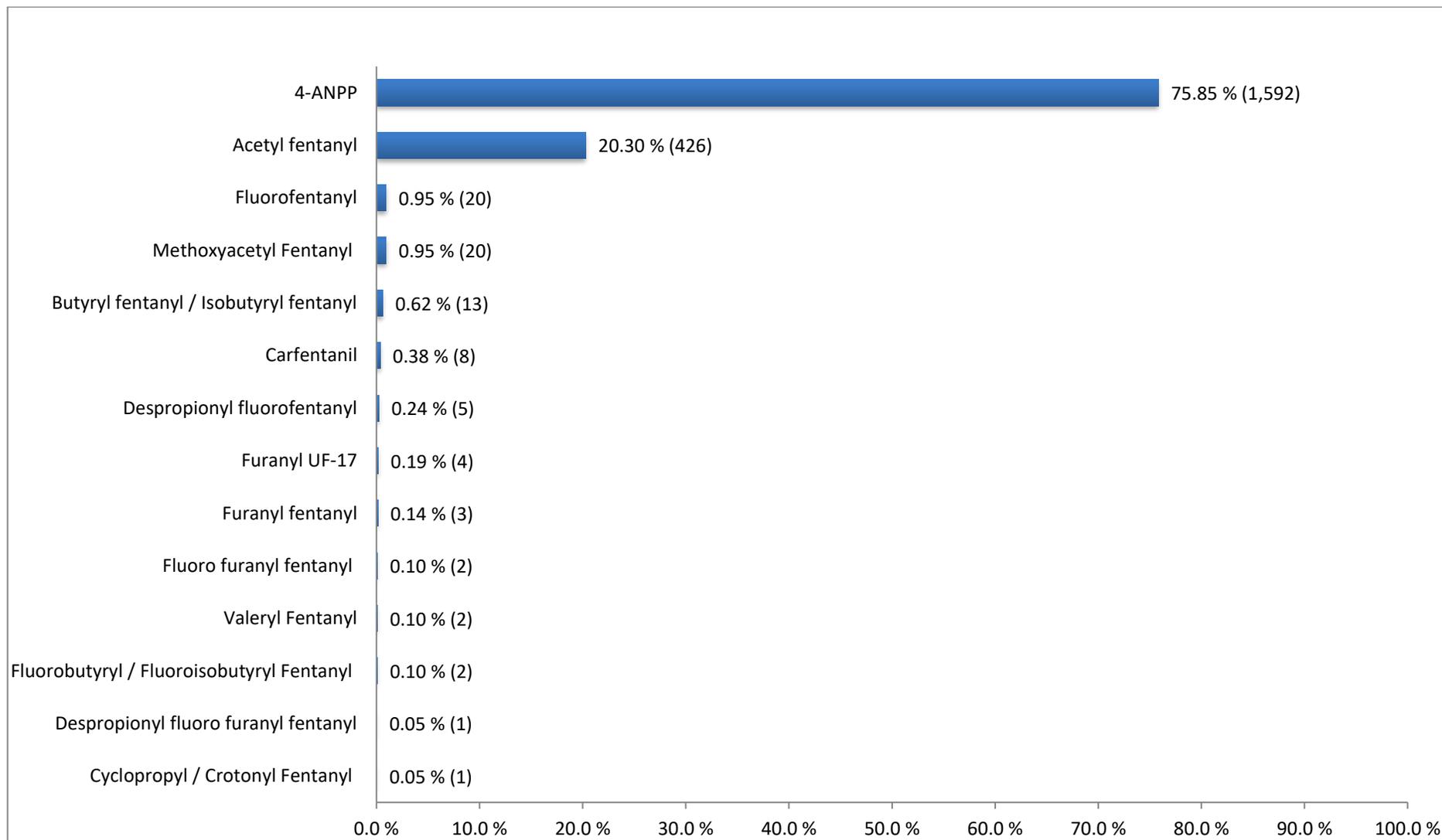
Total Prescription Drug Deaths in ME Deaths (Present and Cause)		
2019	2020	Percent Change
223	357	60.1%
73	81	11.0%
34	55	61.8%
676	801	18.5%
327	343	4.9%
695	933	34.2%
236	403	70.8%
87	129	48.3%
547	635	16.1%
192	258	34.4%
615	656	6.7%
289	356	23.2%
399	568	42.4%
139	138	-0.7%
687	841	22.4%
27	26	-3.7%
548	802	46.4%
364	420	15.4%
190	256	34.7%
122	144	18.0%
319	409	28.2%
64	60	-6.3%
88	131	48.9%
93	70	-24.7%
108	166	53.7%
<b>7,142</b>	<b>9,038</b>	<b>26.5%</b>
<p><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></p>		

Accidental Deaths with Prescription Drugs (Present and Cause)		
2019	2020	Percent Change
164	272	65.9%
39	45	15.4%
18	31	72.2%
489	637	30.3%
214	273	27.6%
540	751	39.1%
165	334	102.4%
52	83	59.6%
398	501	25.9%
110	190	72.7%
378	448	18.5%
204	272	33.3%
250	450	80.0%
86	77	-10.5%
522	672	28.7%
17	19	11.8%
453	707	56.1%
279	328	17.6%
126	178	41.3%
85	100	17.6%
236	334	41.5%
42	38	-9.5%
57	97	70.2%
71	56	-21.1%
72	124	72.2%
<b>5,067</b>	<b>7,017</b>	<b>38.5%</b>
<p><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></p>		

Accidental Deaths Caused by Prescription Drugs		
2019	2020	Percent Change
126	209	65.9%
19	24	26.3%
10	20	100.0%
424	574	35.4%
170	235	38.2%
473	671	41.9%
127	297	133.9%
28	56	100.0%
288	368	27.8%
62	155	150.0%
259	328	26.6%
162	243	50.0%
208	402	93.3%
42	47	11.9%
452	600	32.7%
14	15	7.1%
407	660	62.2%
247	277	12.1%
94	144	53.2%
71	83	16.9%
199	297	49.2%
21	26	23.8%
42	81	92.9%
55	53	-3.6%
58	98	69.0%
<b>4,058</b>	<b>5,963</b>	<b>46.9%</b>
<p><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></p>		

## Frequency of Occurrence of Fentanyl Analogs

January – December 2020



*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 by Age

January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	3
2	Tallahassee	6
3	Live Oak	2
4	Jacksonville	83
5	Leesburg	31
6	St. Petersburg	57
7	Daytona Beach	158
8	Gainesville	5
9	Orlando	179
10	Lakeland	21
11	Miami	139
12	Sarasota	41
13	Tampa	7
14	Panama City	14
15	West Palm Beach	382
16	Florida Keys	0
17	Ft. Lauderdale	367
18	Melbourne	117
19	Ft. Pierce	51
20	Naples	14
21	Ft. Myers	191
22	Port Charlotte	2
23	St. Augustine	57
24	Sanford	5
25	Kissimmee	47
<b>Statewide Totals</b>		<b>1,979</b>

Fentanyl Analogs Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
2	0	1	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
60	0	8	19	24	9
30	0	0	7	16	7
7	0	1	1	4	1
14	0	0	4	4	6
5	0	0	1	4	0
11	0	0	3	5	3
13	0	1	5	4	3
39	0	3	7	17	12
14	0	0	6	7	1
7	0	1	4	2	0
14	0	2	4	7	1
147	0	18	53	45	31
0	0	0	0	0	0
363	1	31	96	136	99
72	0	3	21	29	19
29	0	3	10	11	5
2	0	0	0	2	0
7	0	0	2	2	3
2	0	0	2	0	0
2	0	1	1	0	0
5	0	3	2	0	0
3	0	0	0	3	0
<b>848</b>	<b>1</b>	<b>76</b>	<b>248</b>	<b>322</b>	<b>201</b>

Fentanyl Analogs Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
1	0	0	0	1	0
6	0	1	1	2	2
2	0	0	0	2	0
23	0	1	12	9	1
1	0	0	0	1	0
50	0	3	17	16	14
144	0	4	47	59	34
0	0	0	0	0	0
168	1	18	45	64	40
8	0	1	3	3	1
100	0	10	27	32	31
27	0	3	10	13	1
0	0	0	0	0	0
0	0	0	0	0	0
235	1	34	80	86	34
0	0	0	0	0	0
4	0	0	1	1	2
45	0	8	7	17	13
22	0	1	6	10	5
12	0	1	4	5	2
184	2	12	39	95	36
0	0	0	0	0	0
55	0	5	20	21	9
0	0	0	0	0	0
44	0	7	5	25	7
<b>1,131</b>	<b>4</b>	<b>109</b>	<b>324</b>	<b>462</b>	<b>232</b>



## Cocaine Deaths

January – December 2020

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 Cocaine		
Total	Cause	Present
93	67	26
27	23	4
6	2	4
335	245	90
87	66	21
284	207	77
127	100	27
48	32	16
290	208	82
77	54	23
449	285	164
157	104	53
216	128	88
26	17	9
407	182	225
12	7	5
427	324	103
158	102	56
89	45	44
58	47	11
128	65	63
17	2	15
53	11	42
33	28	5
71	49	22
<b>3,675</b>	<b>2,400</b>	<b>1,275</b>

Deaths with Cocaine Only		
Total	Cause	Present
8	7	1
10	10	0
0	0	0
28	18	10
11	7	4
21	12	9
5	1	4
8	6	2
45	26	19
14	12	2
42	13	29
14	8	6
33	15	18
4	3	1
15	7	8
2	0	2
30	20	10
13	10	3
5	2	3
3	1	2
10	2	8
1	0	1
4	1	3
6	4	2
12	6	6
<b>344</b>	<b>191</b>	<b>153</b>

Deaths with Cocaine in Combination with Other Drugs		
Total	Cause	Present
85	60	25
17	13	4
6	2	4
307	227	80
76	59	17
263	195	68
122	99	23
40	26	14
245	182	63
63	42	21
407	272	135
143	96	47
183	113	70
22	14	8
392	175	217
10	7	3
397	304	93
145	92	53
84	43	41
55	46	9
118	63	55
16	2	14
49	10	39
27	24	3
59	43	16
<b>3,331</b>	<b>2,209</b>	<b>1,122</b>

## Cocaine Deaths by Age

January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	93
2	Tallahassee	27
3	Live Oak	6
4	Jacksonville	335
5	Leesburg	87
6	St. Petersburg	284
7	Daytona Beach	127
8	Gainesville	48
9	Orlando	290
10	Lakeland	77
11	Miami	449
12	Sarasota	157
13	Tampa	216
14	Panama City	26
15	West Palm Beach	407
16	Florida Keys	12
17	Ft. Lauderdale	427
18	Melbourne	158
19	Ft. Pierce	89
20	Naples	58
21	Ft. Myers	128
22	Port Charlotte	17
23	St. Augustine	53
24	Sanford	33
25	Kissimmee	71
<b>Statewide Totals</b>		<b>3,675</b>

Cocaine Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
67	0	4	9	23	31
23	0	2	3	7	11
2	0	0	1	0	1
245	0	12	48	108	77
66	0	2	17	27	20
207	1	12	41	77	76
100	0	5	24	47	24
32	0	0	4	15	13
208	1	11	49	79	68
54	0	6	13	18	17
285	0	23	45	97	120
104	0	3	22	52	27
128	0	9	23	52	44
17	0	0	3	7	7
182	1	14	56	70	41
7	0	0	1	4	2
324	1	21	69	123	110
102	0	5	19	36	42
45	0	5	9	21	10
47	1	6	8	18	14
65	0	4	16	22	23
2	0	0	0	2	0
11	0	0	5	3	3
28	0	1	7	11	9
49	0	2	11	26	10
<b>2,400</b>	<b>5</b>	<b>147</b>	<b>503</b>	<b>945</b>	<b>800</b>

Cocaine Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
26	0	1	8	7	10
4	0	0	0	2	2
4	0	0	1	0	3
90	0	5	26	37	22
21	0	1	3	10	7
77	1	5	13	32	26
27	0	2	5	9	11
16	0	2	3	6	5
82	0	10	13	36	23
23	0	3	6	10	4
164	2	9	27	63	63
53	2	6	14	23	8
88	1	6	15	30	36
9	0	2	2	2	3
225	0	18	74	82	51
5	0	0	1	3	1
103	0	7	18	47	31
56	0	2	10	24	20
44	0	6	12	16	10
11	0	2	5	3	1
63	0	5	16	25	17
15	0	1	7	6	1
42	0	4	12	17	9
5	0	2	1	0	2
22	1	1	6	6	8
<b>1,275</b>	<b>7</b>	<b>100</b>	<b>298</b>	<b>496</b>	<b>374</b>



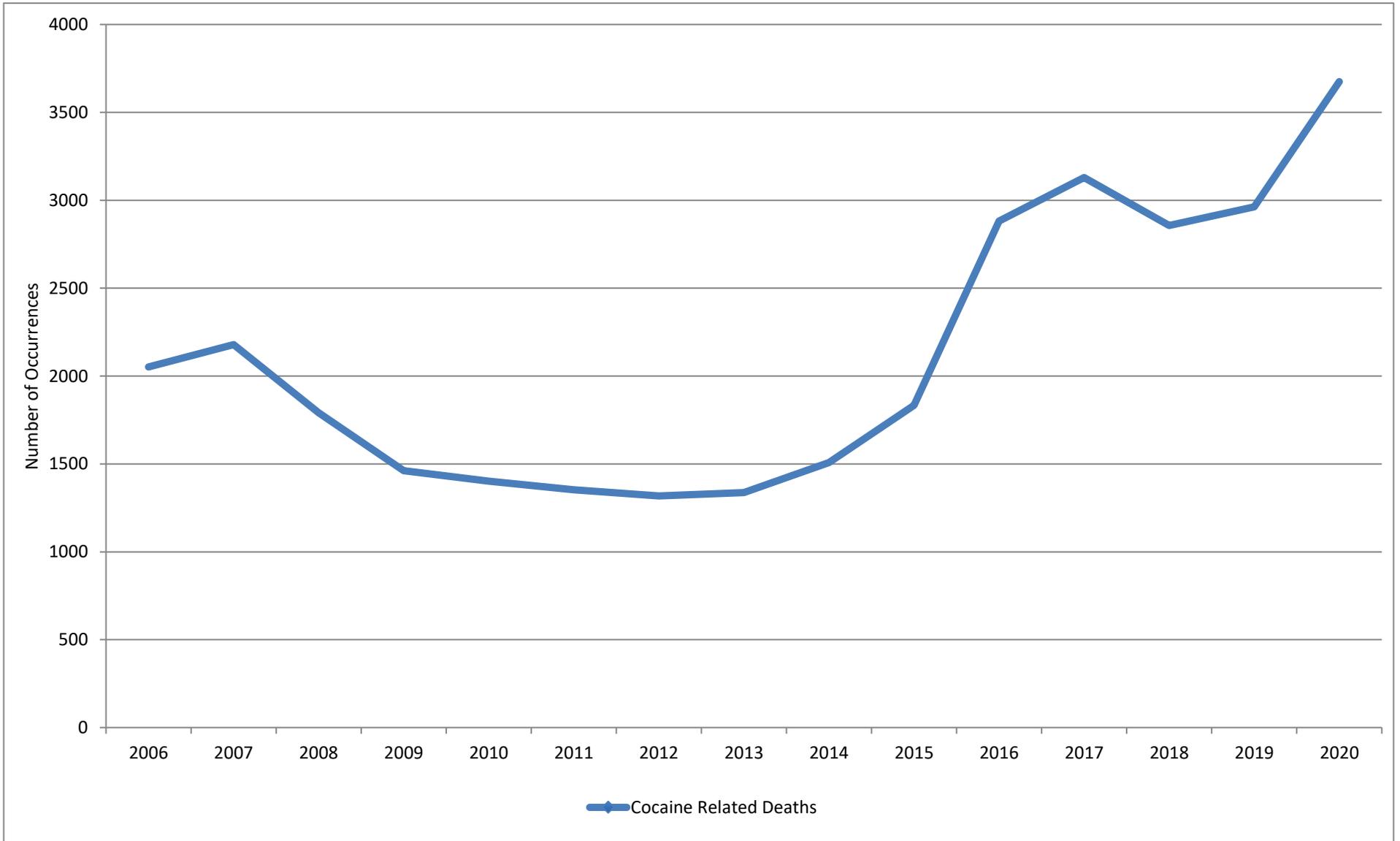
**Cocaine Related Deaths by Medical Examiner District**  
(Present and Cause)  
2006 to 2020

District	Area of Florida	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Pensacola	78	76	56	33	36	34	34	31	56	80	57	58	71	73	93
2	Tallahassee	51	40	27	30	25	36	25	23	20	18	32	15	11	20	27
3	Live Oak	16	10	13	16	9	8	13	10	6	5	10	4	12	7	6
4	Jacksonville	246	248	165	125	115	113	119	119	107	146	266	359	251	279	335
5	Leesburg	21	45	67	56	52	48	46	57	62	54	128	109	84	77	87
6	St. Petersburg	185	173	154	139	134	112	125	100	98	101	157	187	225	250	284
7	Daytona Beach	64	84	51	58	44	43	36	37	34	37	51	88	102	76	127
8	Gainesville	47	42	32	39	39	34	30	29	30	31	41	43	35	46	48
9	Orlando	178	190	179	145	128	124	120	137	181	203	230	234	266	265	290
10	Lakeland	53	41	40	35	42	29	27	37	33	33	53	70	67	50	77
11	Miami	182	281	201	155	198	184	198	226	234	289	439	401	363	418	449
12	Sarasota	106	105	75	59	57	54	60	60	84	134	147	132	96	117	157
13	Tampa	130	158	146	54	83	96	59	74	65	84	108	109	140	140	216
14	Panama City	32	31	17	20	9	9	10	11	13	15	5	15	20	30	26
15	West Palm Beach	191	168	143	126	106	91	87	105	143	173	405	417	338	343	407
16	Florida Keys	16	27	15	14	11	7	13	4	6	13	20	20	11	15	12
17	Ft. Lauderdale	150	157	146	135	127	115	129	102	99	152	328	321	236	277	427
18	Melbourne	80	62	68	59	49	38	52	53	60	86	103	128	114	130	158
19	Ft. Pierce	45	46	47	35	20	40	24	34	50	49	71	88	69	66	89
20	Naples	34	29	15	21	13	23	16	10	29	23	40	32	45	61	58
21	Ft. Myers	96	79	67	48	53	73	56	51	63	71	99	152	146	98	128
22	Port Charlotte	14	19	14	9	5	7	9	2	10	12	9	13	10	12	17
23	St. Augustine	17	33	27	19	23	15	11	11	1	9	23	39	33	24	53
24	Sanford	20	35	26	32	24	20	19	14	24	16	37	41	50	44	33
7125	Kissimmee											23	54	61	44	71
<b>Statewide Total</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>	<b>3,675</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)  
2006 to 2020



## Heroin Deaths

January – December 2020

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 Heroin		
Total	Cause	Present
63	59	4
5	3	2
5	4	1
35	34	1
46	44	2
55	46	9
44	42	2
4	3	1
37	37	0
19	15	4
43	41	2
15	15	0
119	116	3
12	10	2
138	70	68
2	2	0
118	89	29
2	1	1
3	1	2
24	22	2
22	22	0
3	3	0
9	8	1
7	7	0
14	14	0
<b>844</b>	<b>708</b>	<b>136</b>

Deaths with Heroin Only		
Total	Cause	Present
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	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	0
<b>0</b>	<b>0</b>	<b>0</b>

Deaths with Heroin in Combination with Other Drugs		
Total	Cause	Present
63	59	4
5	3	2
5	4	1
35	34	1
46	44	2
55	46	9
44	42	2
4	3	1
37	37	0
19	15	4
43	41	2
15	15	0
119	116	3
12	10	2
138	70	68
2	2	0
118	89	29
2	1	1
3	1	2
24	22	2
22	22	0
3	3	0
9	8	1
7	7	0
14	14	0
<b>844</b>	<b>708</b>	<b>136</b>

## Heroin Deaths by Age

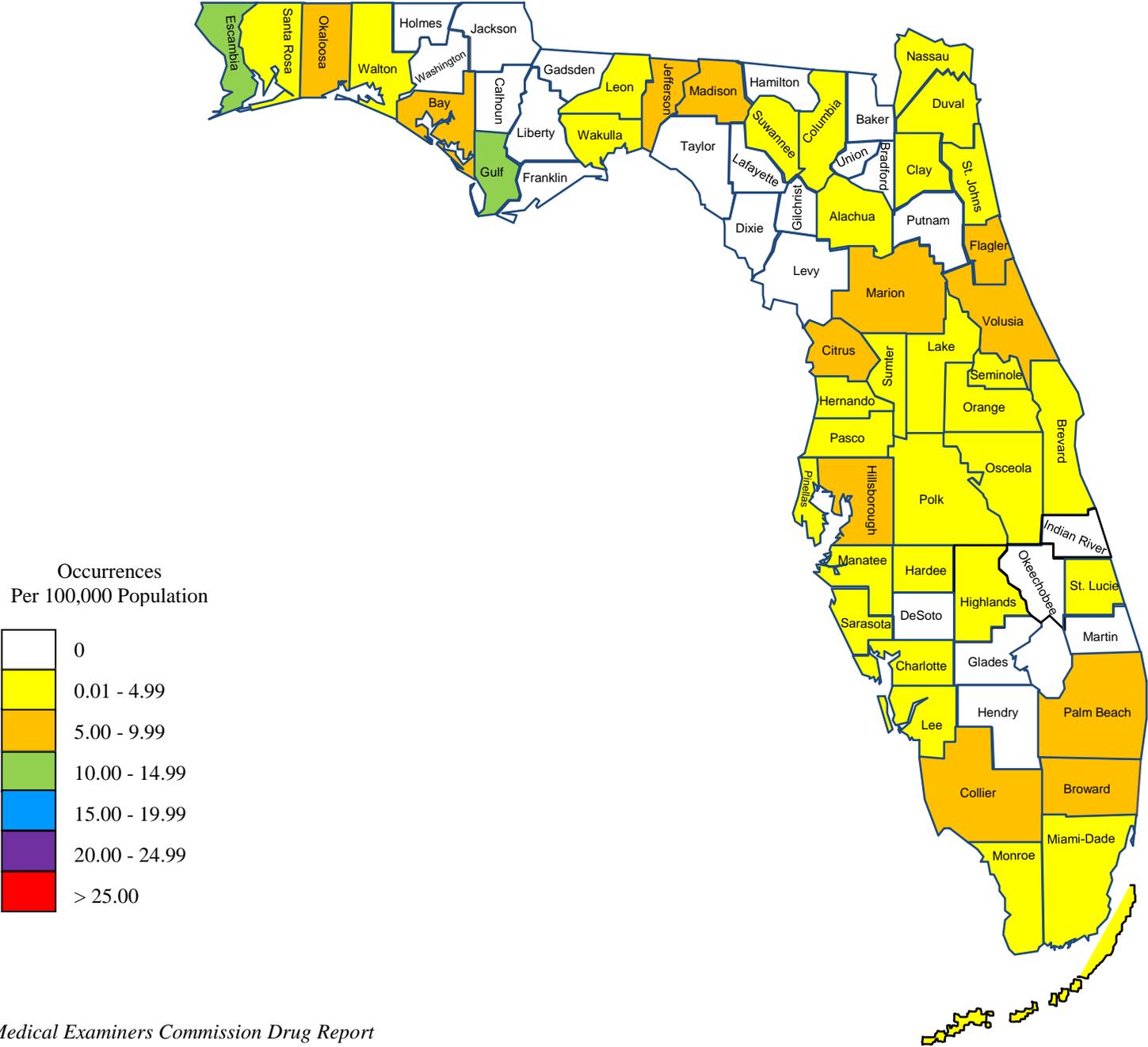
January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	63
2	Tallahassee	5
3	Live Oak	5
4	Jacksonville	35
5	Leesburg	46
6	St. Petersburg	55
7	Daytona Beach	44
8	Gainesville	4
9	Orlando	37
10	Lakeland	19
11	Miami	43
12	Sarasota	15
13	Tampa	119
14	Panama City	12
15	West Palm Beach	138
16	Florida Keys	2
17	Ft. Lauderdale	118
18	Melbourne	2
19	Ft. Pierce	3
20	Naples	24
21	Ft. Myers	22
22	Port Charlotte	3
23	St. Augustine	9
24	Sanford	7
25	Kissimmee	14
<b>Statewide Totals</b>		<b>844</b>

Heroin Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
59	1	2	15	21	20
3	0	1	0	0	2
4	0	0	2	1	1
34	0	0	14	16	4
44	0	2	14	19	9
46	0	3	7	21	15
42	0	1	11	18	12
3	0	0	0	2	1
37	0	0	13	14	10
15	0	1	6	4	4
41	0	3	11	18	9
15	0	3	4	5	3
116	0	8	26	52	30
10	0	0	5	3	2
70	0	9	26	25	10
2	0	0	2	0	0
89	0	9	25	30	25
1	0	0	0	1	0
1	0	0	0	1	0
22	0	1	7	7	7
22	0	2	5	5	10
3	0	0	1	1	1
8	0	0	3	5	0
7	0	0	4	2	1
14	0	1	1	9	3
<b>708</b>	<b>1</b>	<b>46</b>	<b>202</b>	<b>280</b>	<b>179</b>

Heroin Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
4	0	0	2	2	0
2	0	0	1	1	0
1	0	0	0	0	1
1	0	0	0	1	0
2	0	0	2	0	0
9	0	2	3	3	1
2	0	0	1	1	0
1	0	0	0	1	0
0	0	0	0	0	0
4	0	0	1	2	1
2	0	0	0	0	2
0	0	0	0	0	0
3	0	0	1	2	0
2	0	0	1	1	0
68	1	13	19	26	9
0	0	0	0	0	0
29	0	3	5	12	9
1	0	0	1	0	0
2	0	0	1	0	1
2	0	0	2	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	1	0
0	0	0	0	0	0
0	0	0	0	0	0
<b>136</b>	<b>1</b>	<b>18</b>	<b>40</b>	<b>53</b>	<b>24</b>

# Heroin Deaths by County 2020



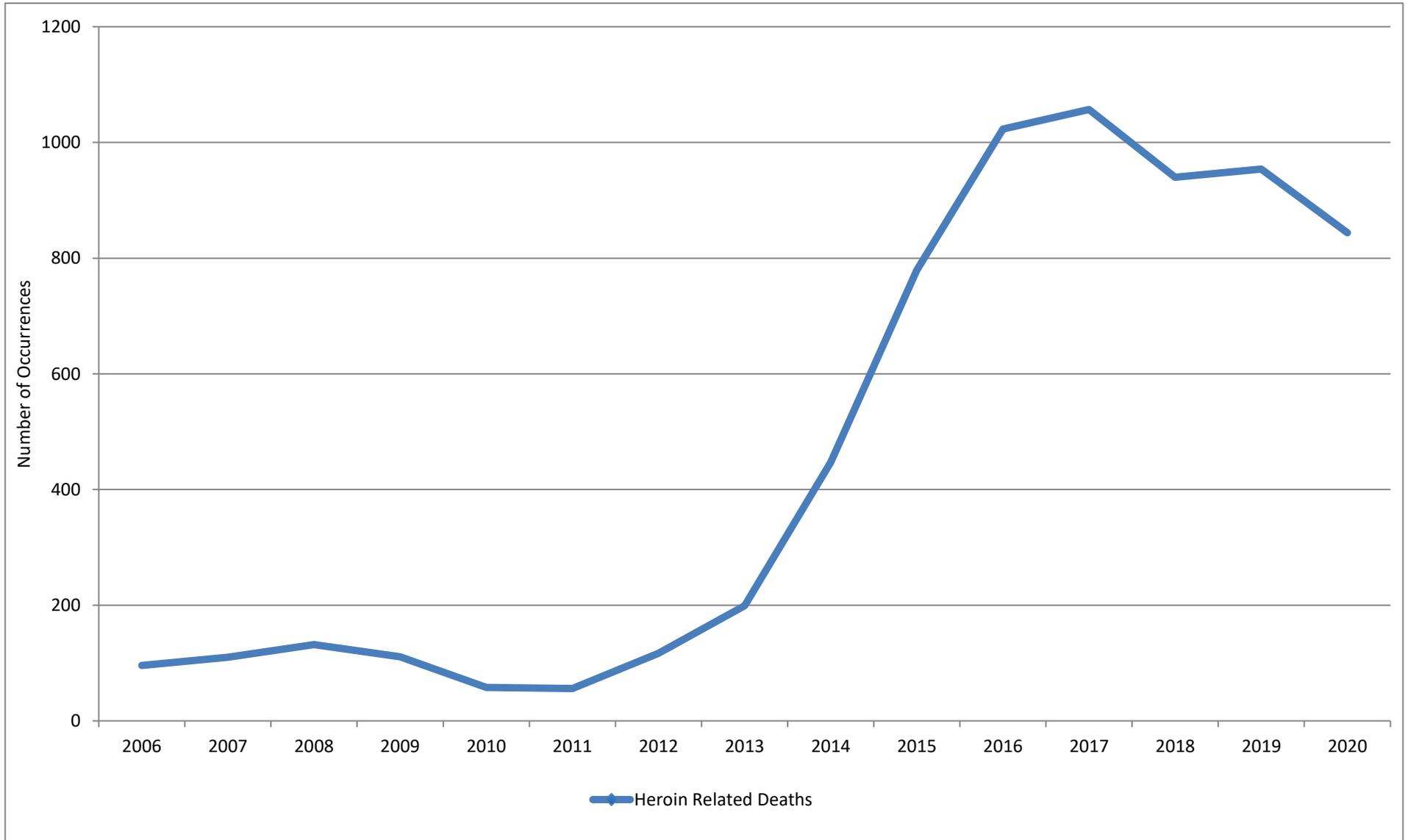
**Heroin Related Deaths by Medical Examiner District**  
(Present and Cause)  
2006 to 2020

District	Area of Florida	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1	Pensacola	1	0	1	2	0	0	1	3	12	28	34	30	35	35	63
2	Tallahassee	0	0	0	0	0	1	0	1	2	0	1	2	1	4	5
3	Live Oak	0	0	0	0	0	0	0	1	0	1	0	2	0	0	5
354	Jacksonville	4	8	3	4	1	3	14	15	16	45	81	98	60	50	35
546	Leesburg	0	0	5	1	0	1	3	2	16	8	40	34	44	56	46
655	St. Petersburg	7	12	5	9	3	1	1	4	7	14	18	22	56	73	55
744	Daytona Beach	1	2	0	3	1	0	1	3	4	20	21	37	75	34	44
84	Gainesville	0	0	0	0	0	0	2	1	2	3	2	4	2	5	4
937	Orlando	7	16	16	24	10	18	26	41	83	108	68	59	54	58	37
1019	Lakeland	2	0	0	2	1	0	1	4	7	10	11	10	5	11	19
1143	Miami	20	26	38	30	26	15	33	40	60	92	139	97	59	68	43
1215	Sarasota	14	4	19	4	2	2	8	19	55	68	32	22	17	20	15
13119	Tampa	7	11	5	2	1	2	2	3	22	35	52	75	114	77	119
1412	Panama City	0	1	0	0	1	0	0	2	2	4	8	4	7	18	12
15138	West Palm Beach	8	10	7	7	4	6	6	20	51	165	205	215	174	205	138
16	Florida Keys	1	0	1	1	0	0	1	1	0	1	7	4	0	1	2
17	Ft. Lauderdale	13	4	17	8	5	3	9	11	28	80	180	186	110	133	118
18	Melbourne	1	1	1	2	0	0	0	2	7	12	21	25	18	8	2
19	Ft. Pierce	3	3	3	1	1	1	2	3	7	8	7	13	4	3	3
20	Naples	4	1	1	0	0	0	0	2	14	11	15	15	14	17	24
21	Ft. Myers	2	4	7	9	0	1	4	12	30	43	30	34	35	22	22
22	Port Charlotte	1	0	0	1	0	0	1	1	3	2	3	1	3	4	3
23	St. Augustine	0	0	0	0	1	0	1	1	1	2	6	14	5	11	9
24	Sanford	0	7	3	1	1	2	1	7	18	19	27	33	31	23	7
25	Kissimmee											15	21	17	18	14
<b>Statewide Totals</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>	<b>844</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)  
2006 to 2020



## Methamphetamine Deaths

January – December 2020

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
183	129	54
34	20	14
22	9	13
200	119	81
156	119	37
283	214	69
125	88	37
34	27	7
82	45	37
141	121	20
66	36	30
98	69	29
126	93	33
71	35	36
35	11	24
1	1	0
60	43	17
124	53	71
33	20	13
23	18	5
89	56	33
19	13	6
41	22	19
10	7	3
24	18	6
<b>2,080</b>	<b>1,386</b>	<b>694</b>

Deaths with Methamphetamine Only		
Total	Cause	Present
2	1	1
3	1	2
2	1	1
2	2	0
1	1	0
0	0	0
0	0	0
1	1	0
2	0	2
6	6	0
0	0	0
1	1	0
7	4	3
2	0	2
0	0	0
1	1	0
4	1	3
2	0	2
0	0	0
0	0	0
1	0	1
0	0	0
0	0	0
0	0	0
2	1	1
<b>39</b>	<b>21</b>	<b>18</b>

Deaths with Methamphetamine in Combination with Other Drugs		
Total	Cause	Present
181	128	53
31	19	12
20	8	12
198	117	81
155	118	37
283	214	69
125	88	37
33	26	7
80	45	35
135	115	20
66	36	30
97	68	29
119	89	30
69	35	34
35	11	24
0	0	0
56	42	14
122	53	69
33	20	13
23	18	5
88	56	32
19	13	6
41	22	19
10	7	3
22	17	5
<b>2,041</b>	<b>1,365</b>	<b>676</b>

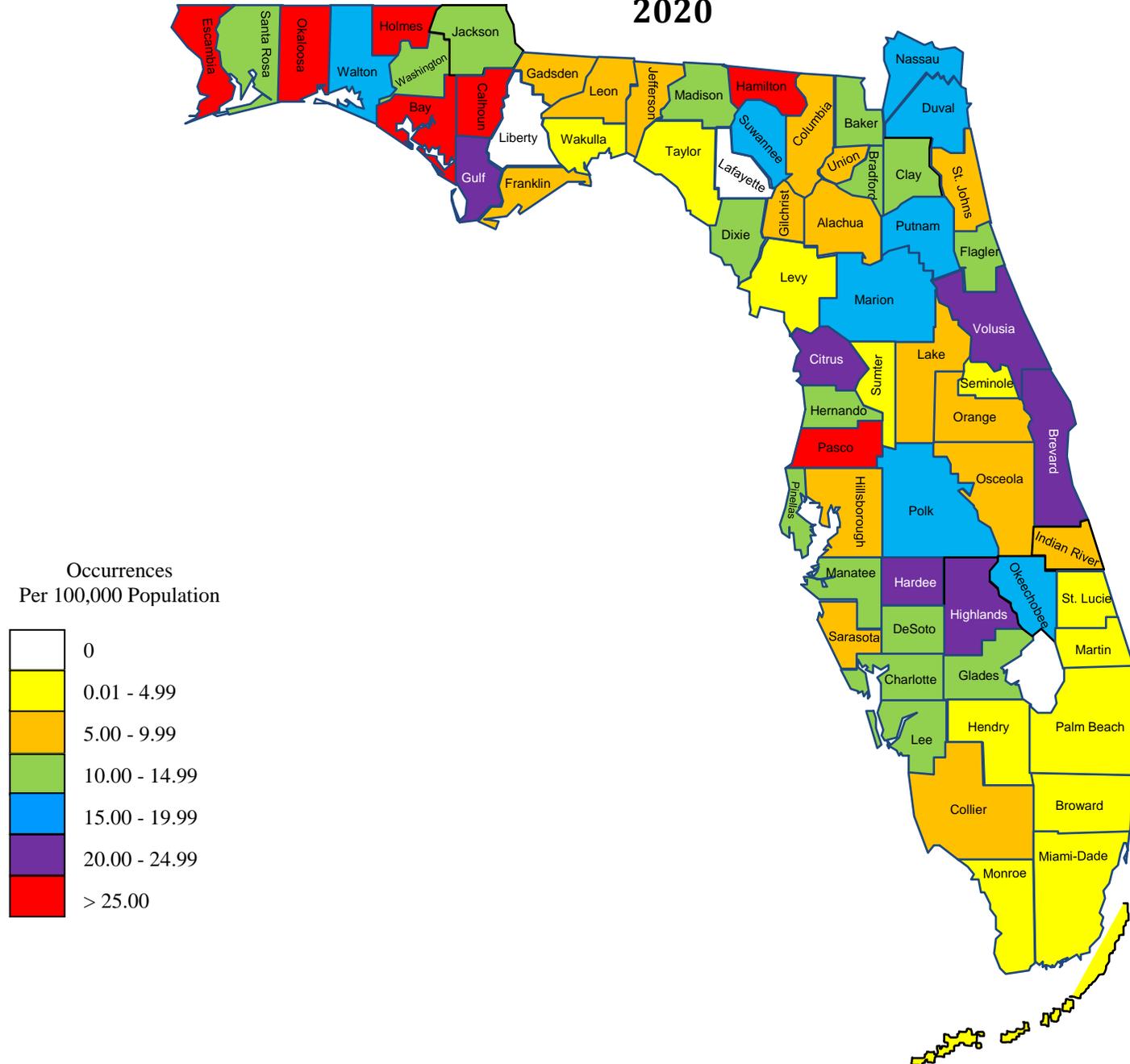
## Methamphetamine Deaths by Age January – December 2020

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	183
2	Tallahassee	34
3	Live Oak	22
4	Jacksonville	200
5	Leesburg	156
6	St. Petersburg	283
7	Daytona Beach	125
8	Gainesville	34
9	Orlando	82
10	Lakeland	141
11	Miami	66
12	Sarasota	98
13	Tampa	126
14	Panama City	71
15	West Palm Beach	35
16	Florida Keys	1
17	Ft. Lauderdale	60
18	Melbourne	124
19	Ft. Pierce	33
20	Naples	23
21	Ft. Myers	89
22	Port Charlotte	19
23	St. Augustine	41
24	Sanford	10
25	Kissimmee	24
<b>Statewide Totals</b>		<b>2,080</b>

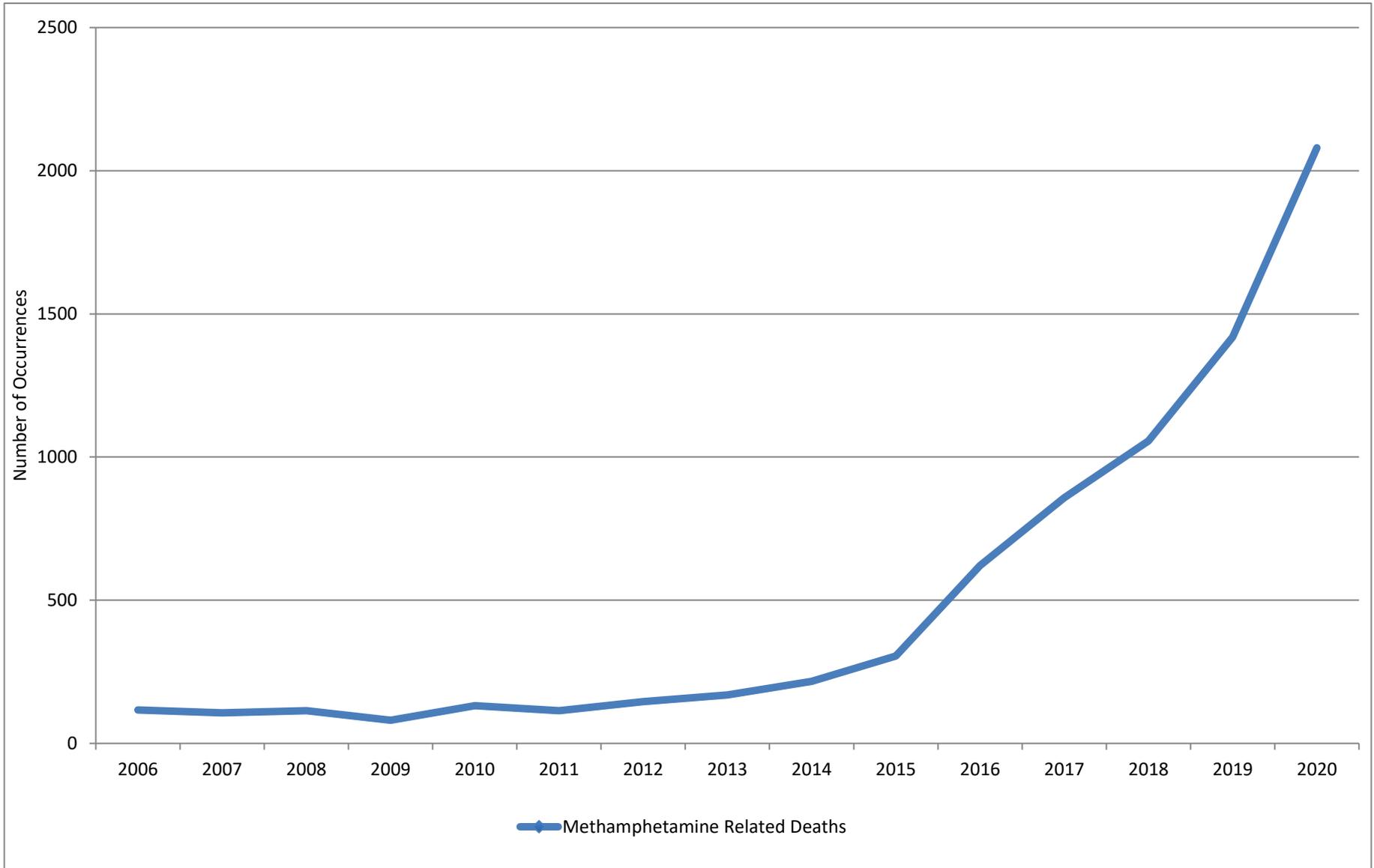
Methamphetamine Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
129	1	9	29	56	34
20	0	0	6	10	4
9	0	0	1	4	4
119	1	8	30	70	10
119	1	4	29	54	31
214	3	5	49	102	55
88	0	5	23	43	17
27	0	3	3	15	6
45	0	4	15	13	13
121	0	12	26	43	40
36	0	1	11	16	8
69	0	3	17	38	11
93	0	5	16	52	20
35	0	1	5	17	12
11	0	1	2	8	0
1	0	0	0	0	1
43	1	8	14	16	4
53	1	5	11	24	12
20	0	2	5	10	3
18	0	1	8	6	3
56	1	1	9	28	17
13	0	0	7	5	1
22	0	2	8	5	7
7	0	1	2	3	1
18	0	1	3	10	4
<b>1,386</b>	<b>9</b>	<b>82</b>	<b>329</b>	<b>648</b>	<b>318</b>

Methamphetamine Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
54	1	6	13	22	12
14	1	0	4	7	2
13	0	2	3	4	4
81	0	7	27	35	12
37	0	1	10	20	6
69	0	8	15	33	13
37	0	5	9	15	8
7	0	1	4	2	0
37	0	6	13	10	8
20	0	2	13	4	1
30	0	3	6	19	2
29	0	2	7	16	4
33	0	4	11	14	4
36	0	4	6	18	8
24	0	5	10	7	2
0	0	0	0	0	0
17	0	0	7	5	5
71	0	7	16	22	26
13	1	0	5	5	2
5	0	0	1	3	1
33	0	4	11	16	2
6	0	0	2	0	4
19	0	0	6	11	2
3	0	0	2	1	0
6	0	0	0	4	2
<b>694</b>	<b>3</b>	<b>67</b>	<b>201</b>	<b>293</b>	<b>130</b>

# Methamphetamine Deaths by County 2020

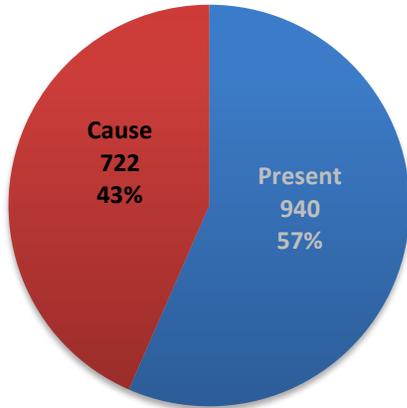


# Historical Overview of Methamphetamine Occurrences (Present and Cause) 2006 to 2020

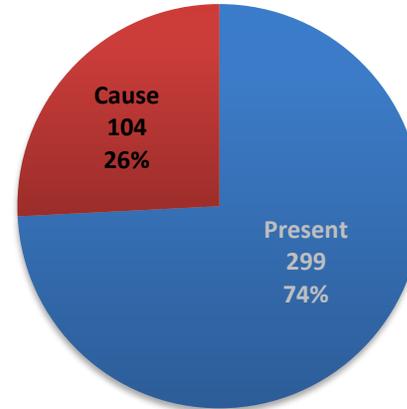


## 2020 Drug Detected at Death: Cause vs. Present

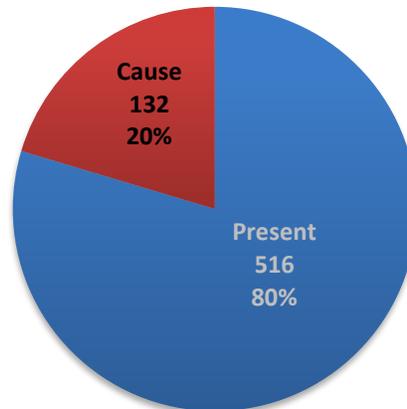
**Alprazolam Deaths**  
**Total Occurrences = 1,662**



**Diazepam Deaths**  
**Total Occurrences = 403**

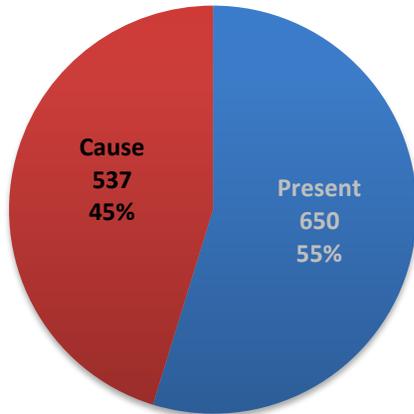


**Clonazepam Deaths**  
**Total Occurrences = 648**

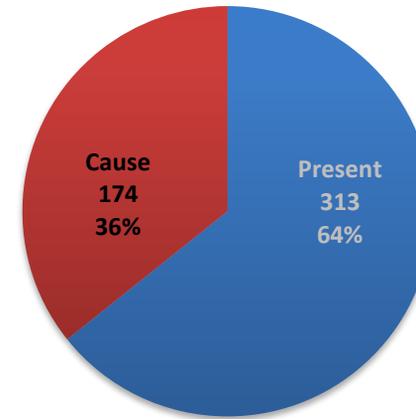


## 2020 Drug Detected at Death: Cause vs. Present

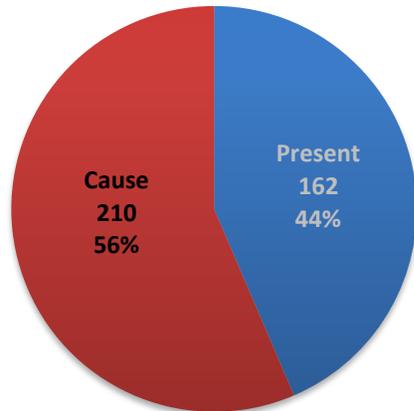
**Oxycodone Deaths**  
Total Occurrences = 1,187



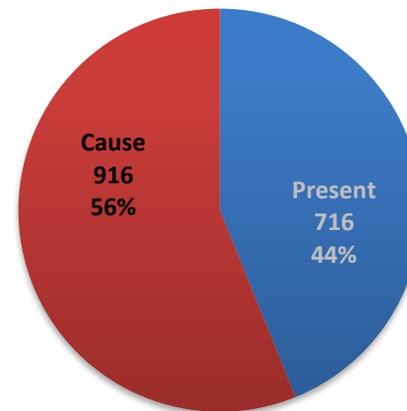
**Hydrocodone Deaths**  
Total Occurrences = 487



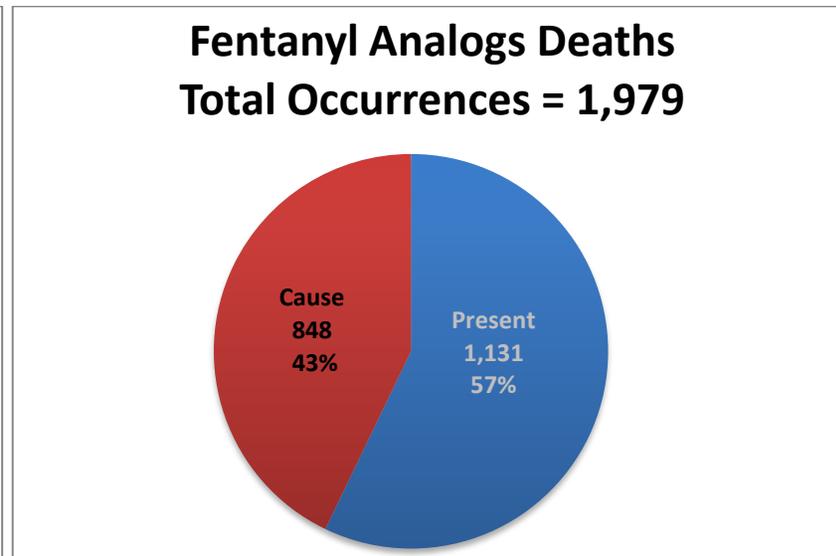
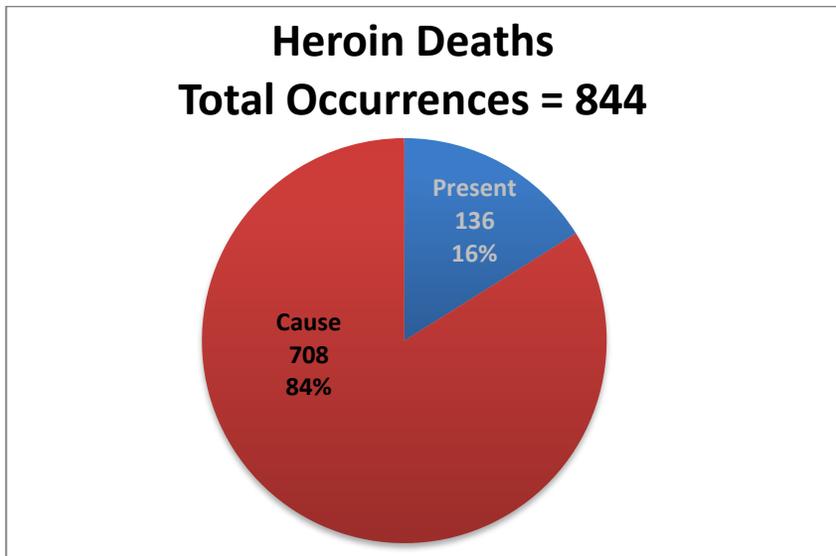
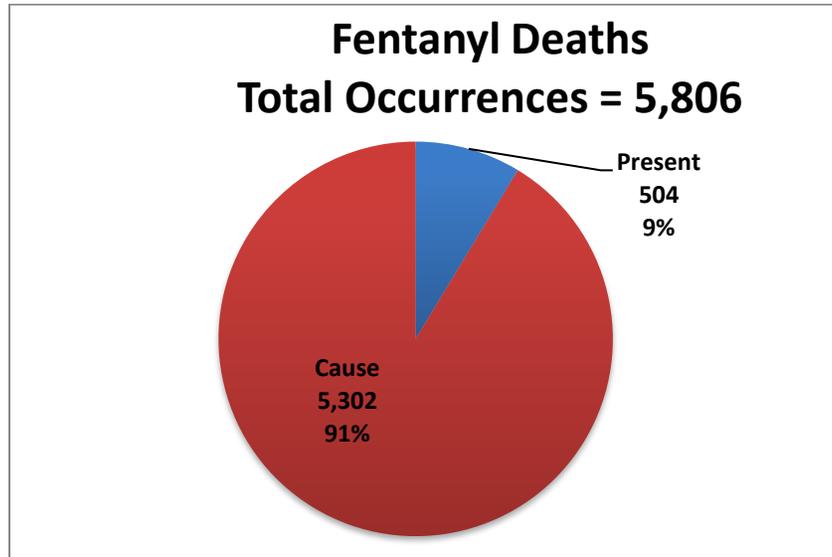
**Methadone Deaths**  
Total Occurrences = 372



**Morphine Deaths**  
Total Occurrences = 1,632

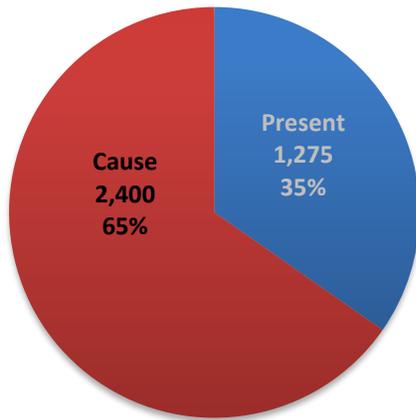


## 2020 Drug Detected at Death: Cause vs. Present

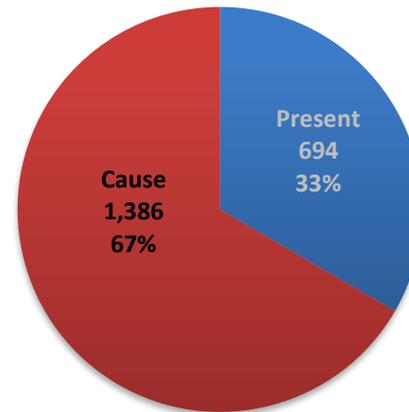


## 2020 Drug Detected at Death: Cause vs. Present

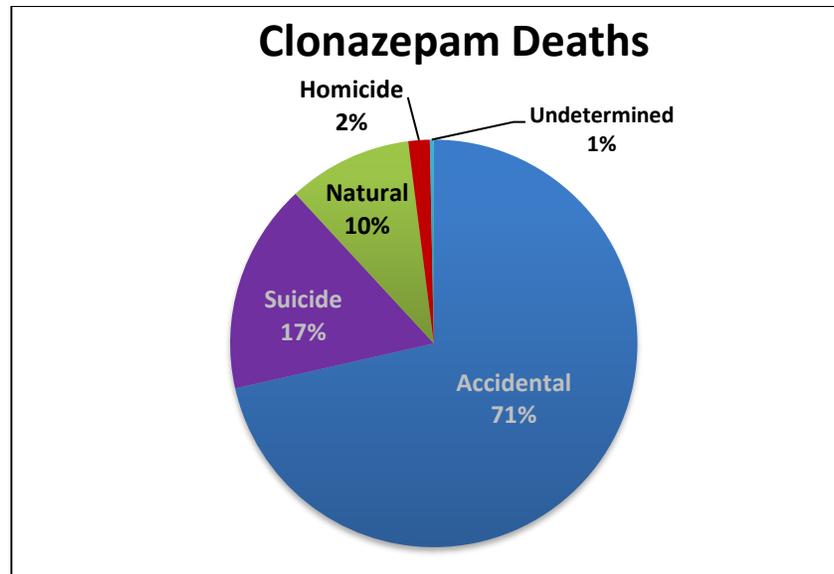
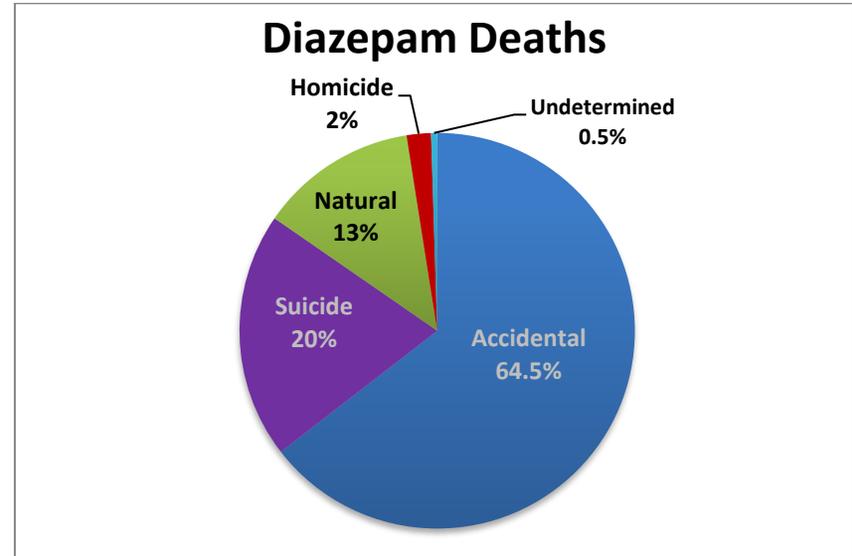
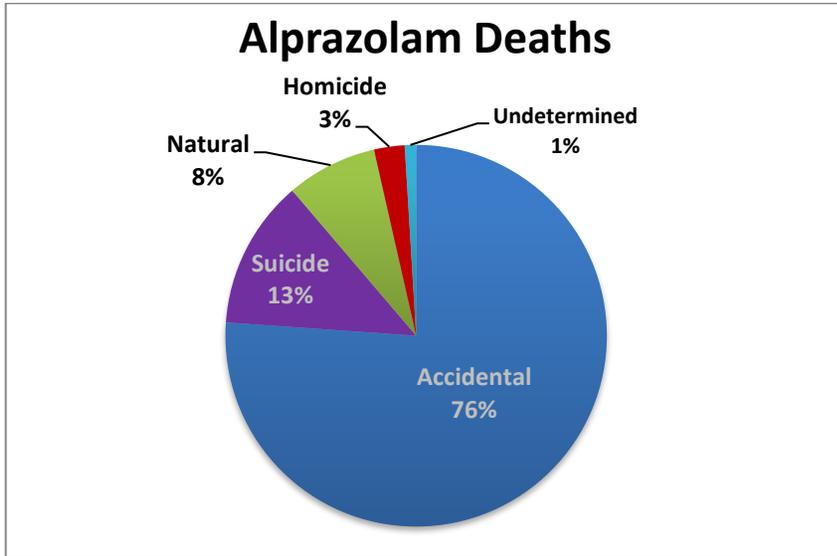
**Cocaine Deaths**  
Total Occurrences = 3,675



**Methamphetamine Deaths**  
Total Occurrences = 2,080

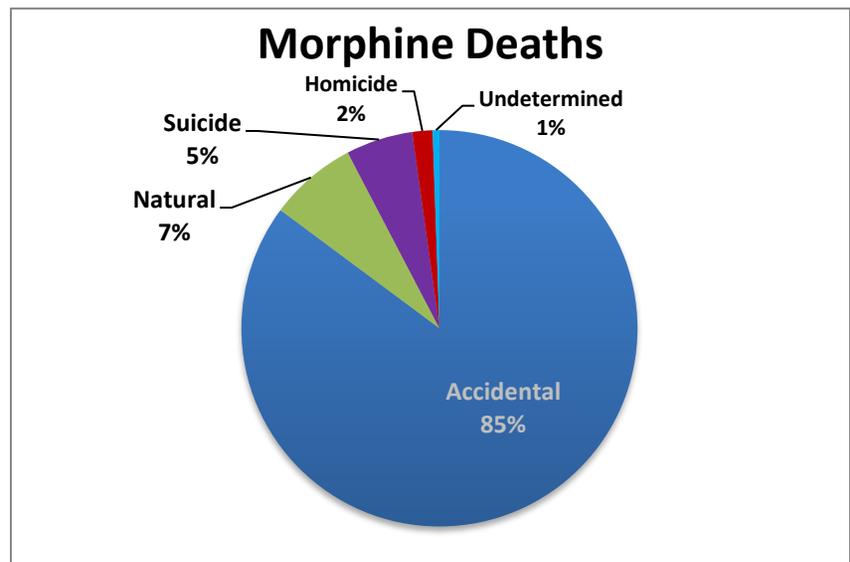
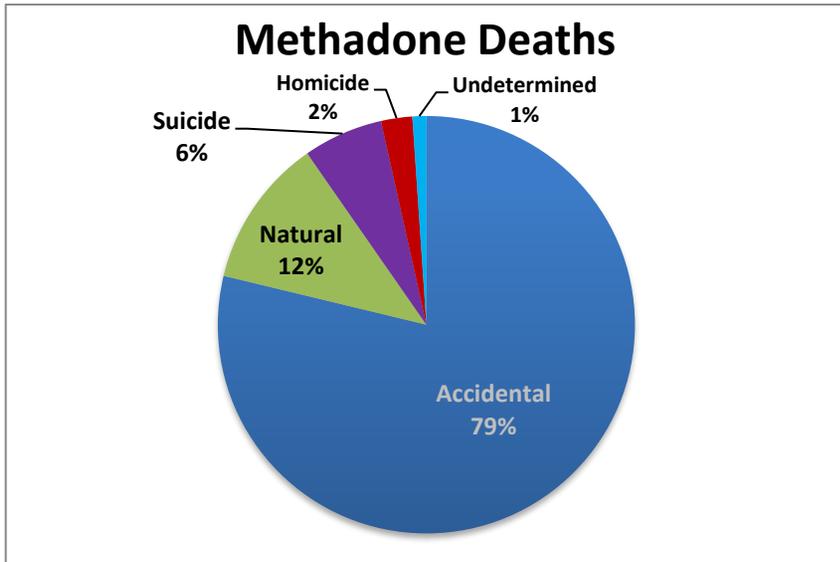
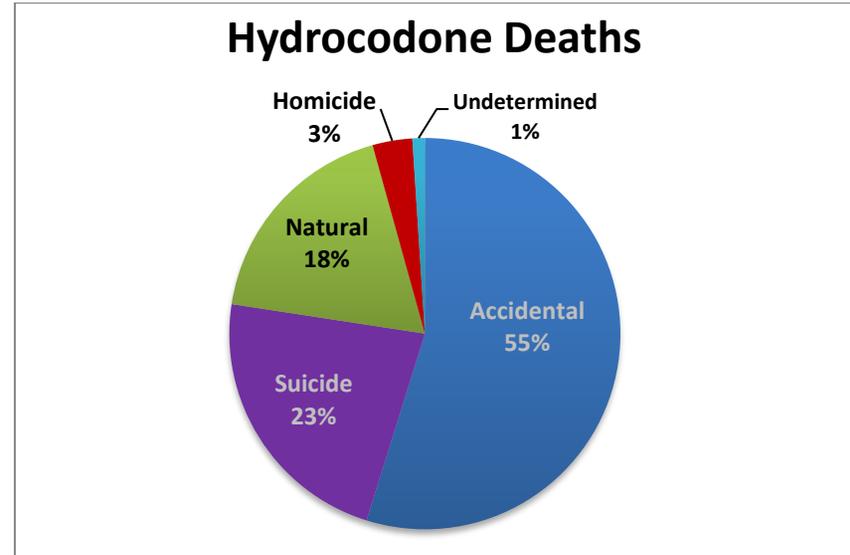
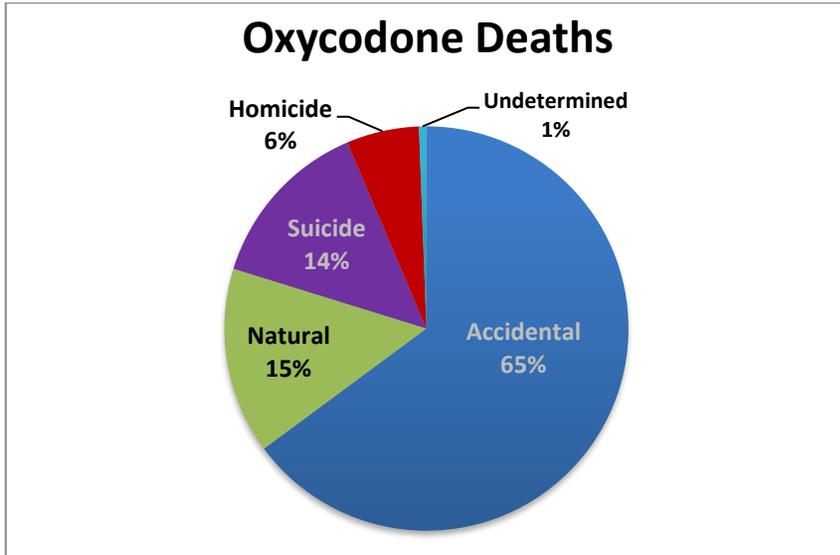


## 2020 Manner of Death for Reported Drug Occurrences



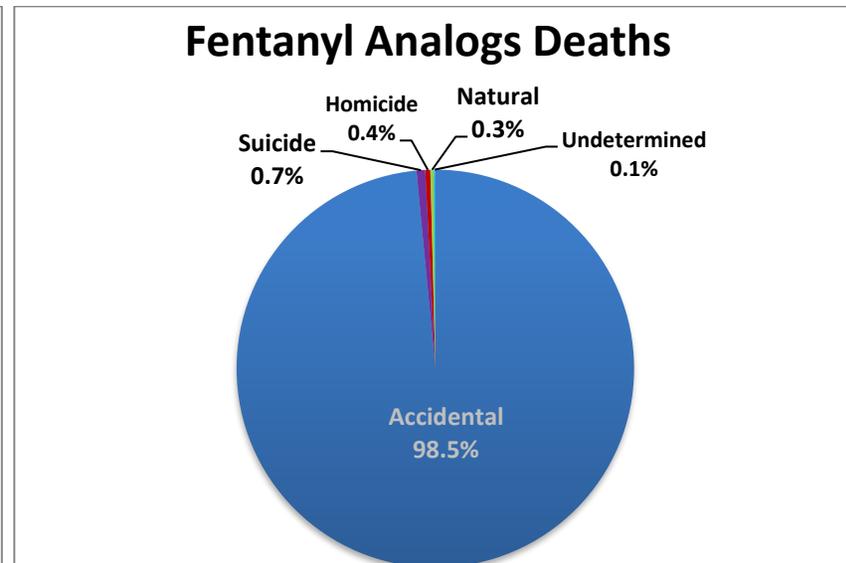
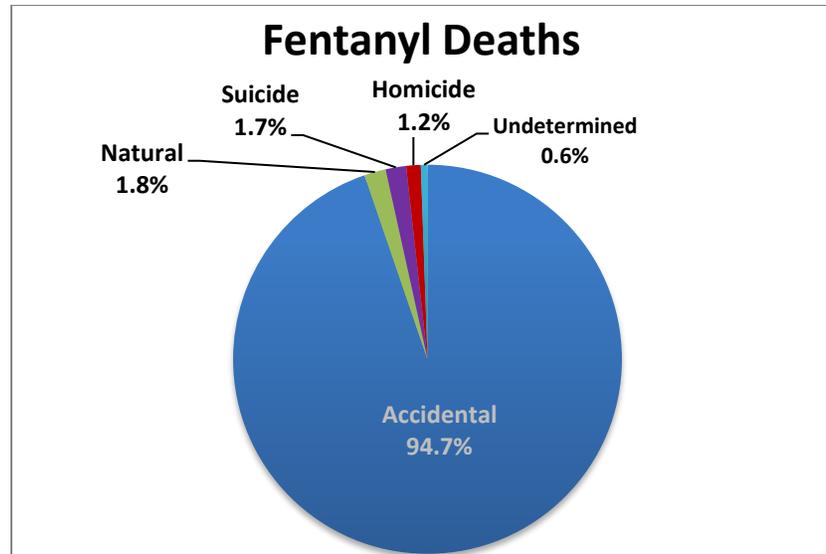
Note: Percentages may not sum to 100 percent because of rounding.

## 2020 Manner of Death for Reported Drug Occurrences



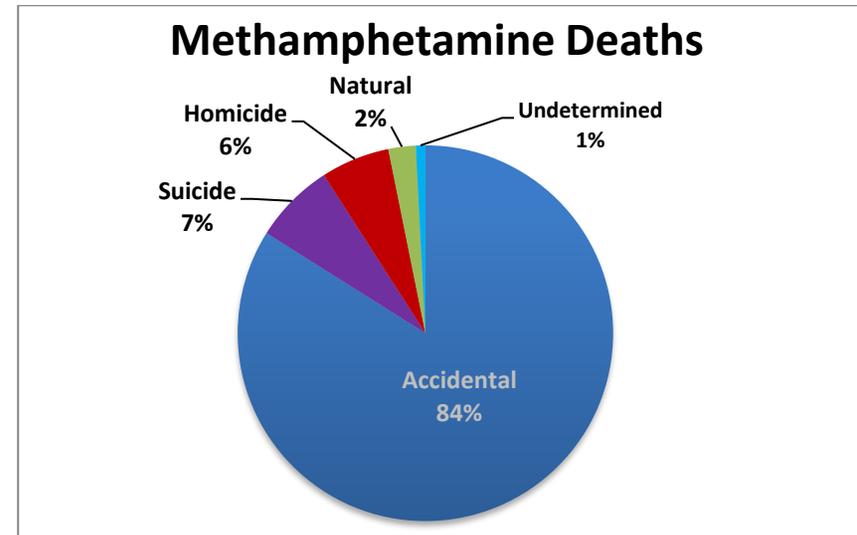
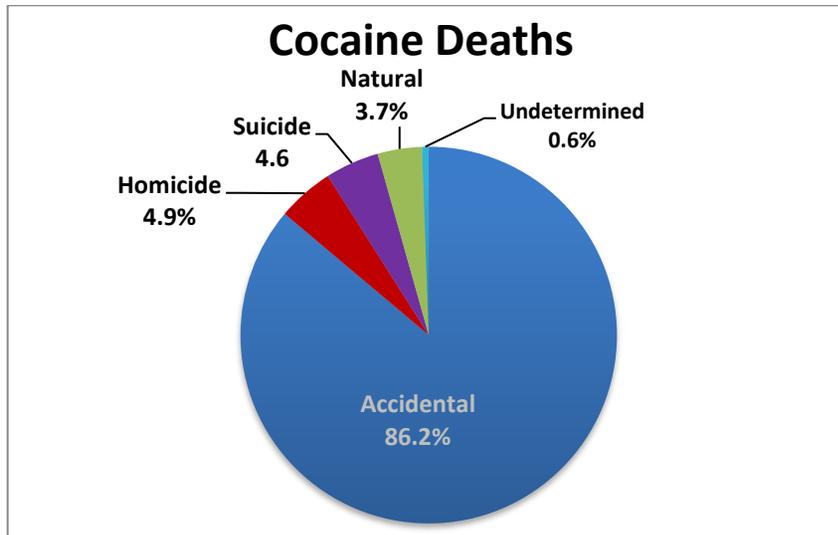
Note: Percentages may not sum to 100 percent because of rounding.

## 2020 Manner of Death for Reported Drug Occurrences



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

## 2020 Manner of Death for Reported Drug Occurrences



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

## **Analytes**

Below are specific analytes that were identified in the decedents:

### **Cathinones**

- N-Ethylpentylone
- Alpha-PVP
- Methylone
- Butylone
- Alpha - PHP
- Alpha PiHP
- Eutylone
- Ethylone

### **Synthetic Cannabinoids**

- 5-fluoro-MDMB-PICA
- 5-Fluoro-MDMB-Pinaca/5-Fluoro-EMB-Pinaca
- 4F-MDMB-BUTINACA
- AB-PINACA
- ADB-FUBINACA
- MDMB-FUBINACA
- 3,3-dimethylbutanoic acid
- 5-fluoro-PIC-ACID

### **Phenethylamines/Piperazines**

- 3,4-Methylenedioxyamphetamine
- 3,4-Methylenedioxymethamphetamine
- Ethylamphetamine
- M-Chlorophenylpiperazine
- 3,4-Methylenedioxy-N-Ethylamphetamine

## 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.”

**Gabapentin** – An anti-epileptic drug also called an anticonvulsant to treat neuropathic pain (nerve pain) caused by herpes virus.

**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 (painkiller). Vicodin and Lortab are two common drugs containing hydrocodone.

**Hydromorphone** – A narcotic analgesic (painkiller) 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.”

## Glossary (Continued)

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

**Methadone** – A synthetic narcotic analgesic (painkiller) 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 (painkiller) 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 (N2O)** – 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 (painkiller). 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 (painkiller) that is often prescribed as Opana, Numorphan and Numorphone.

**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 man-made 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.