

# Drugs Identified in Deceased Persons by Florida Medical Examiners



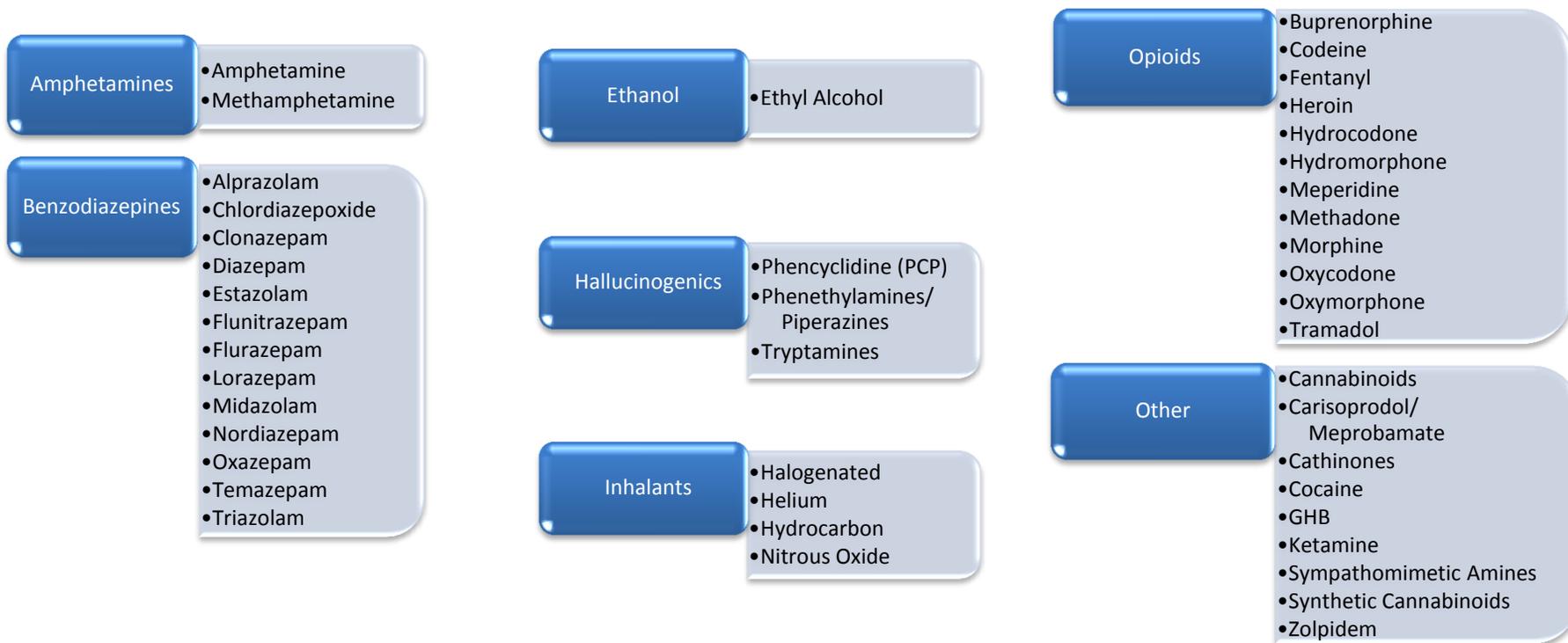
2015 Annual Report

## Data Collection

The State of Florida's Bureau of Vital Statistics reported 194,304 deaths in Florida during 2015. Of the 24,740 deaths investigated by the state's medical examiners, toxicology results determined that the drugs listed below were present at the time of death in 9,784 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 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 9,784 deaths had more than one drug occurrence.

When reporting the data, the state'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.

Data were collected on the following drugs:



## Highlights

- ✓ Total drug-related deaths increased by 13.9 percent (1,197 more) when compared with 2014.
- ✓ 5,364 (12.4 percent more than 2014) 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.
- ✓ 2,530 (22.7 percent more than 2014) 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) continued to be found more often than illicit drugs, both as the cause of death and present at death. Prescription drugs account for 67.7 percent of all drug occurrences in this report when ethyl alcohol is excluded.
- ✓ The five most frequently occurring drugs found in decedents were ethyl alcohol (4,762), benzodiazepines (4,604, including 1,439 alprazolam occurrences), cocaine (1,834), cannabinoids (1,720), and morphine (1,483). The increase in positive cannabinoid findings is due to the increased surveillance by medical examiner offices and not a direct reflection of the increased use of cannabis by decedents.
- ✓ The drugs that caused the most deaths were benzodiazepines (1,140, including 588 alprazolam deaths and 163 diazepam deaths), cocaine (967), morphine (895), ethyl alcohol (810), heroin (733), fentanyl (705), oxycodone (565), methadone (290), and hydrocodone (236). Heroin (94.1 percent), fentanyl (77.4 percent), methadone (64.0 percent), morphine (60.4 percent), cocaine (52.7 percent), and oxycodone (52.3 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 74.3 percent and deaths caused by heroin increased by 79.7 percent when compared with 2014.
- ✓ Occurrences of fentanyl increased by 69.3 percent and deaths caused by fentanyl increased by 77.6 percent when compared with 2014.
- ✓ Occurrences of methadone (8.3 percent) and hydrocodone (9.1 percent) decreased when compared with 2014. Also, deaths caused by methadone (22 less) and hydrocodone (14 less) decreased when compared to 2014.
- ✓ Occurrences of morphine increased by 24.3 percent and deaths caused by morphine (190 more) increased when compared to 2014.
- ✓ Occurrences of oxycodone increased by 10.5 percent and deaths caused by oxycodone increased by 20.2 percent when compared with 2014.
- ✓ Occurrences of tramadol decreased by 18.9 percent and deaths caused by tramadol (7 less) decreased when compared to 2014.
- ✓ Occurrences of cocaine increased by 21.6 percent and deaths caused by cocaine increased by 34.3 percent when compared with 2014.
- ✓ Alprazolam (Xanax), diazepam (Valium), and nordiazepam dominate the category of benzodiazepines. Occurrences of alprazolam increased by 9.3 percent, diazepam increased by 3.1 percent, and nordiazepam decreased by 0.9 percent when compared to 2014. Alprazolam, diazepam, and nordiazepam 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 (40.6 percent) and amphetamine (26.1 percent) increased when compared to 2014. Deaths caused by methamphetamine (68 more than 2014) and amphetamine (20 more than 2014) increased in 2015.
- ✓ Reporting of occurrences of illicit fentanyl analogs was not specifically requested by the Commission in 2015. Due to the rapid rise of deaths associated with fentanyl analogs, many districts voluntarily reported data; however, the data is not complete. A total of 96 occurrences of fentanyl analogs were reported for 2015, with the majority identified as acetyl fentanyl (65 percent). Refer to page 34 of the report for a representation of the frequency of occurrence of fentanyl analogs. Reporting of fentanyl analogs by all districts will begin with the 2016 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  
Leon  
Liberty  
Jefferson  
Taylor  
Wakulla

### District 3 \*Covered by

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

### District 4

Duval  
Nassau  
Clay

### District 5

Citrus  
Hernando  
Lake  
Marion  
Sumter

### District 6

Pinellas  
Pasco

### District 7

Volusia

### District 8

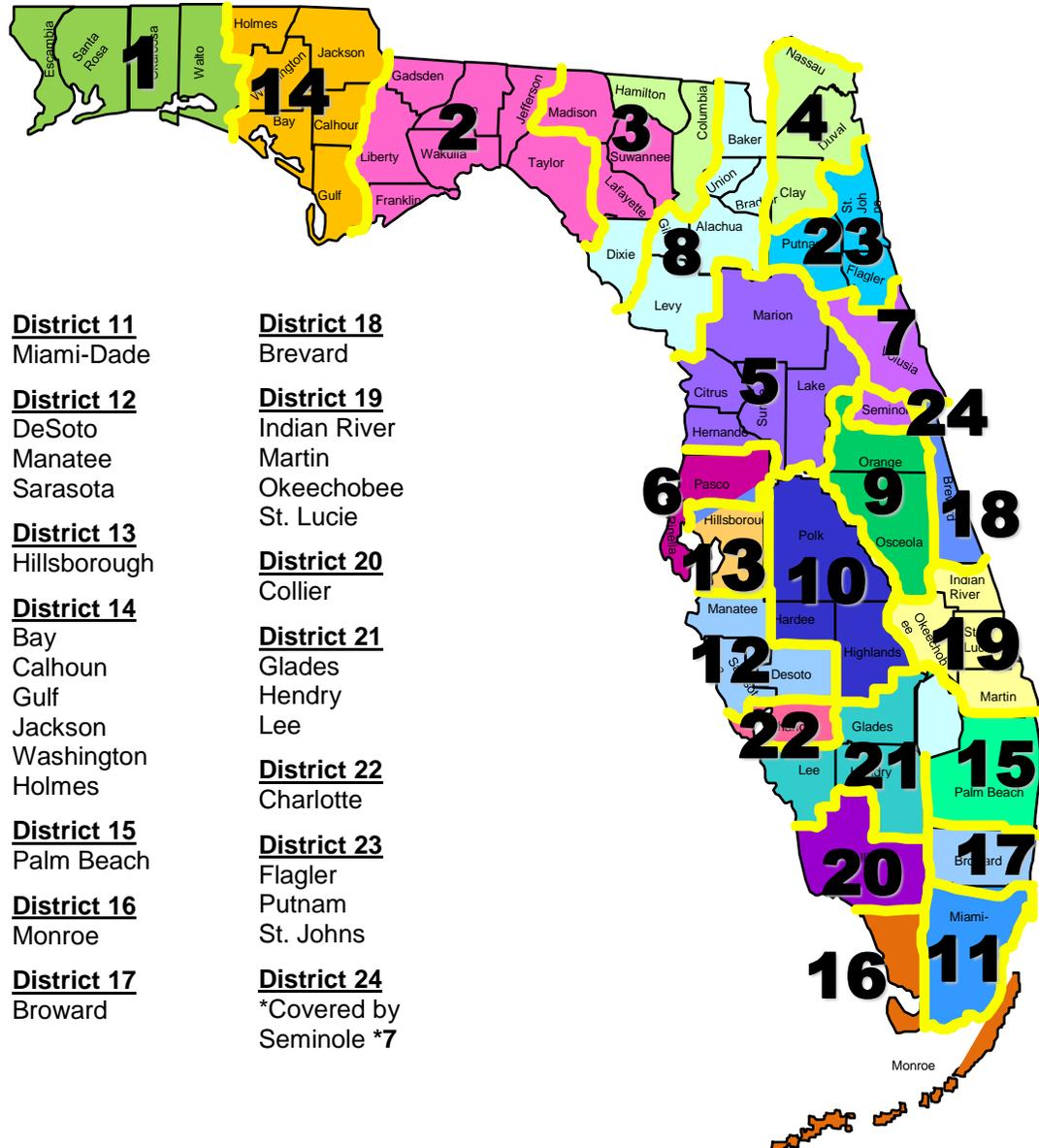
Alachua  
Baker  
Bradford  
Gilchrist  
Levy  
Union

### District 9

Orange  
Osceola

### District 10

Hardee  
Highlands  
Polk



District 11  
Miami-Dade

District 12  
DeSoto  
Manatee  
Sarasota

District 13  
Hillsborough

District 14  
Bay  
Calhoun  
Gulf  
Jackson  
Washington  
Holmes

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 \*7

## Summary of Drug Occurrences in Decedents 2015

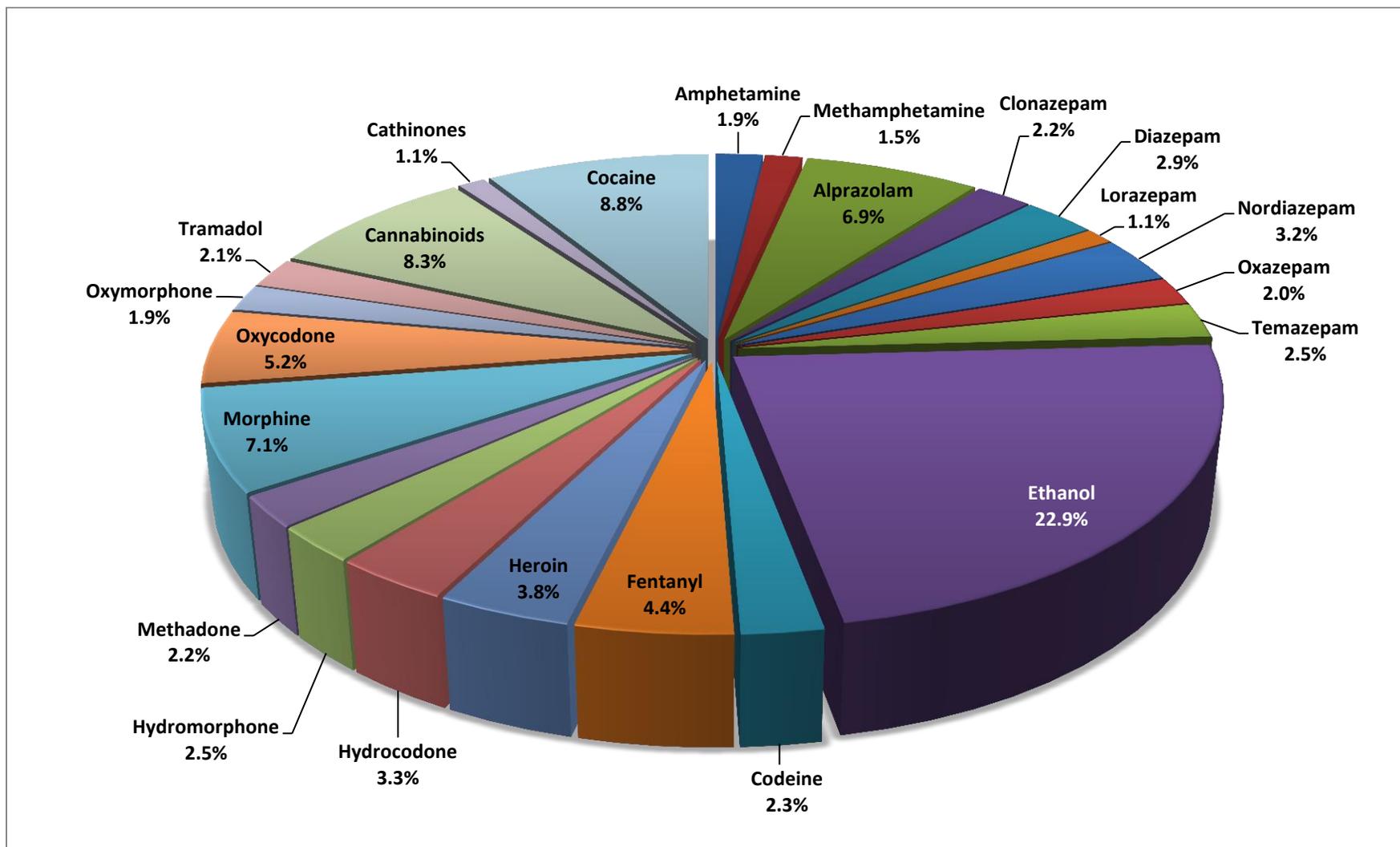
	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
<b>Amphetamines</b>	Amphetamine	87	300	387
	Methamphetamine	156	149	305
<b>Benzodiazepines</b>	Alprazolam	588	851	1,439
	Chlordiazepoxide	12	95	107
	Clonazepam	69	386	455
	Diazepam	163	441	604
	Estazolam	0	2	2
	Flunitrazepam	0	1	1
	Flurazepam	0	8	8
	Lorazepam	28	208	236
	Midazolam	7	154	161
	Nordiazepam	117	555	672
	Oxazepam	61	344	405
	Temazepam	95	416	511
	Triazolam	0	3	3
<b>Ethanol</b>		810	3,952	4,762
<b>Hallucinogenics</b>	Phencyclidine (PCP)	2	0	2
	Phenethylamines/Piperazines	12	10	22
	Tryptamines	2	0	2

## Summary of Drug Occurrences in Decedents (continued)

	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
<b>Inhalants</b>	Halogenated	42	8	50
	Helium	20	0	20
	Hydrocarbon	10	1	11
	Nitrous Oxide	2	0	2
<b>Opioids</b>	Buprenorphine	18	53	71
	Codeine	73	405	478
	Fentanyl	705	206	911
	Heroin	733	46	779
	Hydrocodone	236	444	680
	Hydromorphone	167	354	521
	Meperidine	1	7	8
	Methadone	290	163	453
	Morphine	895	588	1,483
	Oxycodone	565	516	1,081
	Oxymorphone	105	284	389
	Tramadol	108	331	439
	<b>Other</b>	Cannabinoids	6	1,714
Carisoprodol/Meprobamate		35	94	129
Cathinones		84	139	223
Cocaine		967	867	1,834
GHB		3	2	5
Ketamine		6	40	46
Sympathomimetic Amines		7	14	21
Synthetic Cannabinoids		11	12	23
Zolpidem		50	152	202

*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 slight over-reporting of morphine-related deaths. Many deaths were found to have several drugs contributing to the death, and 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 2015



<sup>1</sup>The following drugs individually constituted less than 1 percent of drug frequencies and are not included: chlordiazepoxide, estazolam, flunitrazepam, flurazepam, midazolam, triazolam, all hallucinogenics, all inhalants, buprenorphine, meperidine, carisoprodol/meprobamate, GHB, ketamine, sympathomimetic amines, synthetic cannabinoids, and zolpidem.

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

## Comparison of Drug Occurrences in Decedents 2014 to 2015

DRUG PRESENT IN BODY		2014	2015	PERCENTAGE CHANGE
<b>Amphetamines</b>	Amphetamine	307	387	26.1%
	Methamphetamine	217	305	40.6%
<b>Benzodiazepines</b>	Alprazolam	1,316	1,439	9.3%
	Chlordiazepoxide	92	107	16.3%
	Clonazepam	382	455	19.1%
	Diazepam	586	604	3.1%
	Estazolam	2	2	*
	Flunitrazepam	0	1	*
	Flurazepam	9	8	*
	Lorazepam	191	236	23.6%
	Midazolam	163	161	-1.2%
	Nordiazepam	678	672	-0.9%
	Oxazepam	385	405	5.2%
	Temazepam	477	511	7.1%
	Triazolam	1	3	*
<b>Ethanol</b>		4,270	4,762	11.5%
<b>Hallucinogenics</b>	Phencyclidine (PCP)	2	2	*
	Phenethylamines/Piperazines	17	22	*
	Tryptamines	1	2	*

\*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, and therefore, the count of specific drugs listed is greater than the number of deaths.

## Comparison of Drug Occurrences in Decedents (continued)

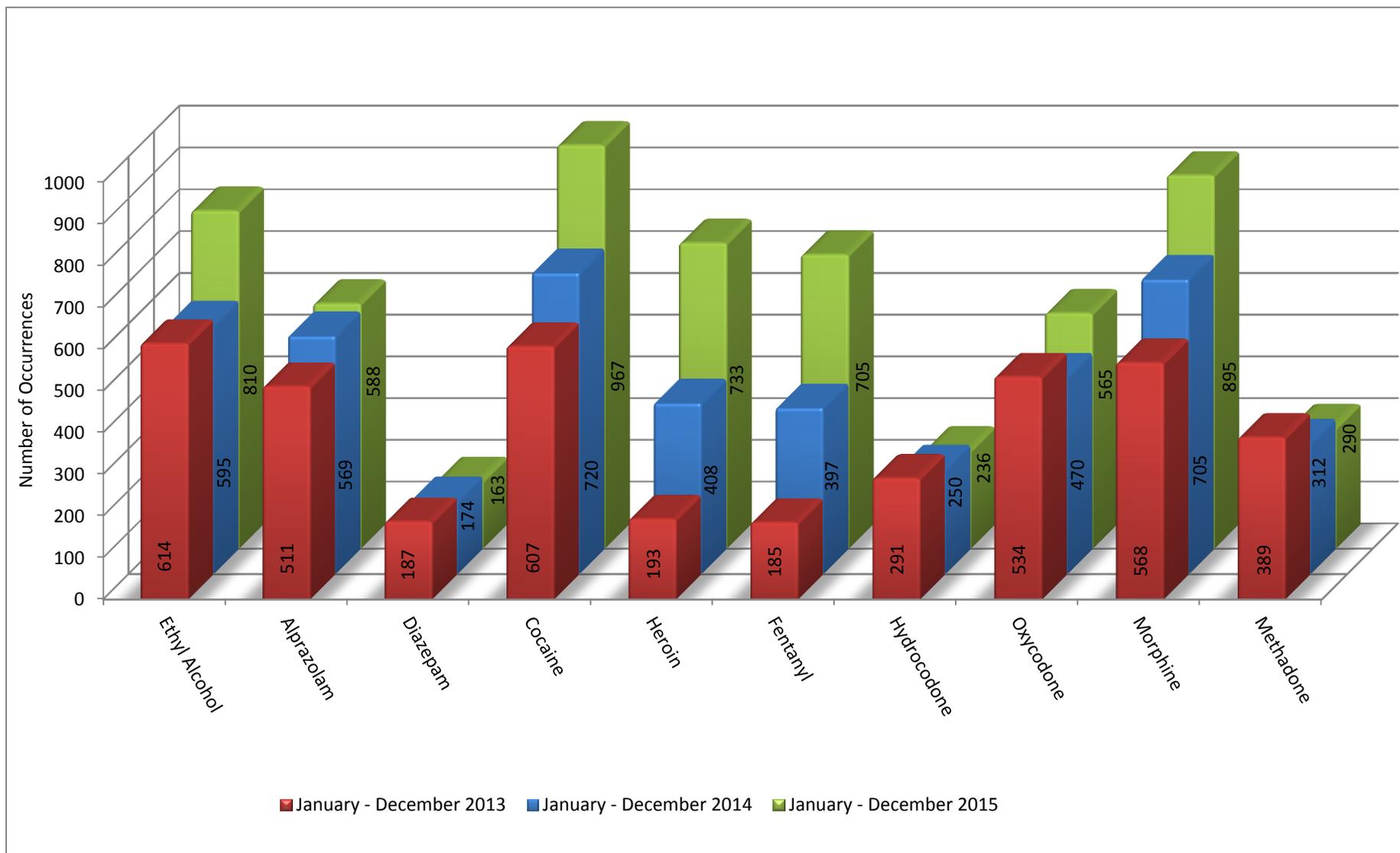
	DRUG PRESENT IN BODY	2014	2015	PERCENTAGE CHANGE
<b>Inhalants</b>	Halogenated	33	50	51.5%
	Helium	30	20	*
	Hydrocarbon	16	11	*
	Nitrous Oxide	1	2	*
<b>Opioids</b>	Buprenorphine	35	71	102.9%
	Codeine	304	478	57.2%
	Fentanyl	538	911	69.3%
	Heroin	447	779	74.3%
	Hydrocodone	748	680	-9.1%
	Hydromorphone	444	521	17.3%
	Meperidine	14	8	*
	Methadone	494	453	-8.3%
	Morphine	1,193	1,483	24.3%
	Oxycodone	978	1,081	10.5%
	Oxymorphone	275	389	41.5%
	Tramadol	541	439	-18.9%
<b>Other</b>	Cannabinoids	1,092	1,720	57.5%
	Carisoprodol/Meprobamate	198	129	-34.8%
	Cathinones	134	223	66.4%
	Cocaine	1,508	1,834	21.6%
	GHB	2	5	*
	Ketamine	31	46	48.4% <sup>1</sup>
	Sympathomimetic Amines	25	21	*
	Synthetic Cannabinoids	9	23	*
Zolpidem	229	202	-11.8%	

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

<sup>1</sup>The increase in ketamine occurrences is largely due to the clinical use of ketamine as a sedative and anesthetic in the hospital.

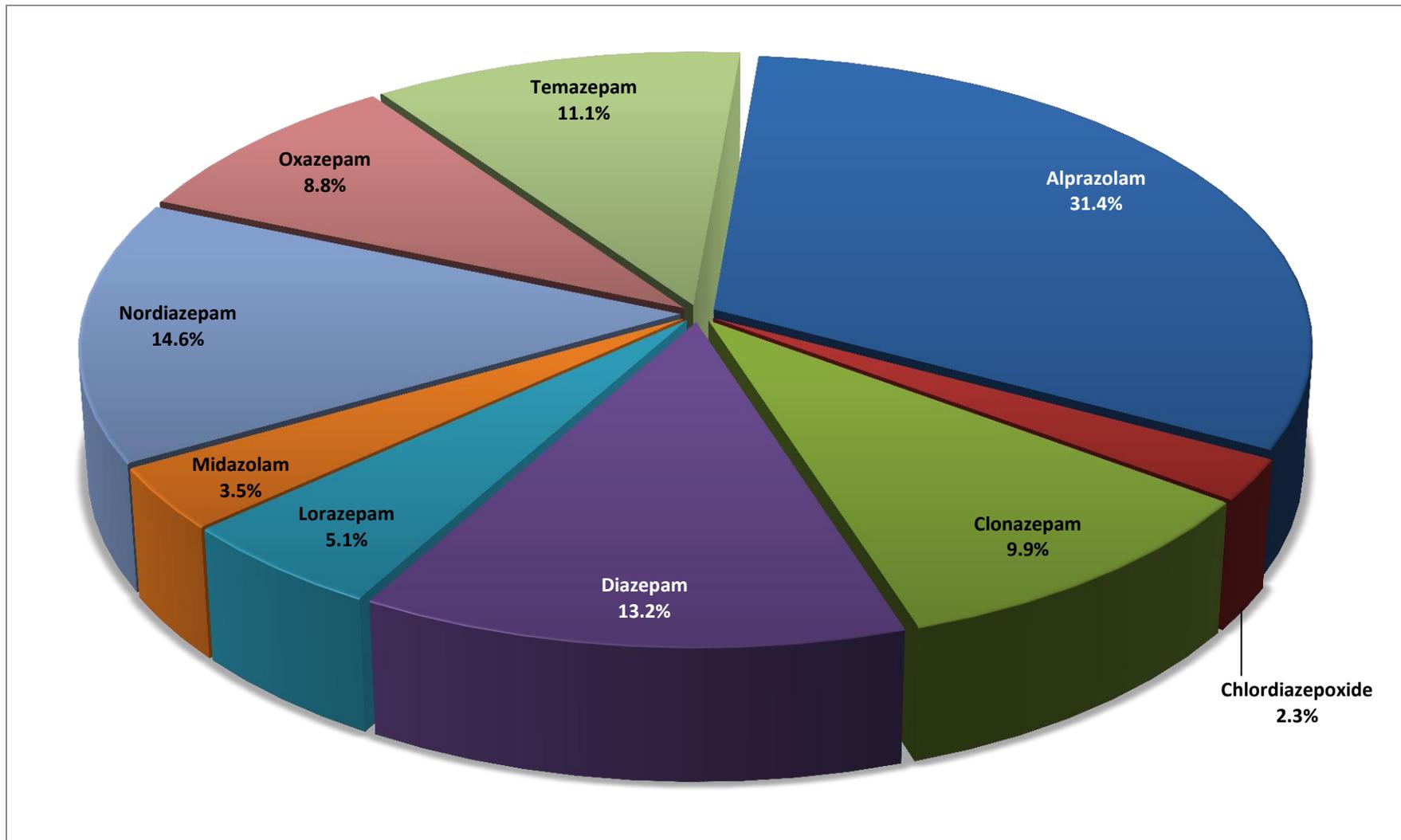
Note: Many deaths were found to have several drugs contributing to the death, and therefore, the count of specific drugs listed is greater than the number of deaths.

## Comparison of Drug Caused Deaths 2013 to 2015



Note: Not all drugs are included in the above chart.

## Frequency of Occurrence of Benzodiazepines January – December 2015



*Note: Benzodiazepines not included individually constituted less than 1 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 2015

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
<b>Statewide Totals</b>	

Total Deaths with Alprazolam		
Total	Cause	Present
71	41	30
9	3	6
13	5	8
87	38	49
37	10	27
136	78	58
41	8	33
12	2	10
99	27	72
75	26	49
204	47	157
80	44	36
127	47	80
27	13	14
89	56	33
12	3	9
93	69	24
70	30	40
33	4	29
26	10	16
32	10	22
23	7	16
14	4	10
29	6	23
<b>1,439</b>	<b>588</b>	<b>851</b>

Deaths with Alprazolam Only		
Total	Cause	Present
3	0	3
0	0	0
1	0	1
5	1	4
1	0	1
17	5	12
2	1	1
3	0	3
9	2	7
2	0	2
21	2	19
6	1	5
25	5	20
2	0	2
1	1	0
1	0	1
5	2	3
4	0	4
1	0	1
1	0	1
3	1	2
2	1	1
0	0	0
3	0	3
<b>118</b>	<b>22</b>	<b>96</b>

Deaths with Alprazolam in Combination with Other Drugs		
Total	Cause	Present
68	41	27
9	3	6
12	5	7
82	37	45
36	10	26
119	73	46
39	7	32
9	2	7
90	25	65
73	26	47
183	45	138
74	43	31
102	42	60
25	13	12
88	55	33
11	3	8
88	67	21
66	30	36
32	4	28
25	10	15
29	9	20
21	6	15
14	4	10
26	6	20
<b>1,321</b>	<b>566</b>	<b>755</b>

## Alprazolam Deaths by Age

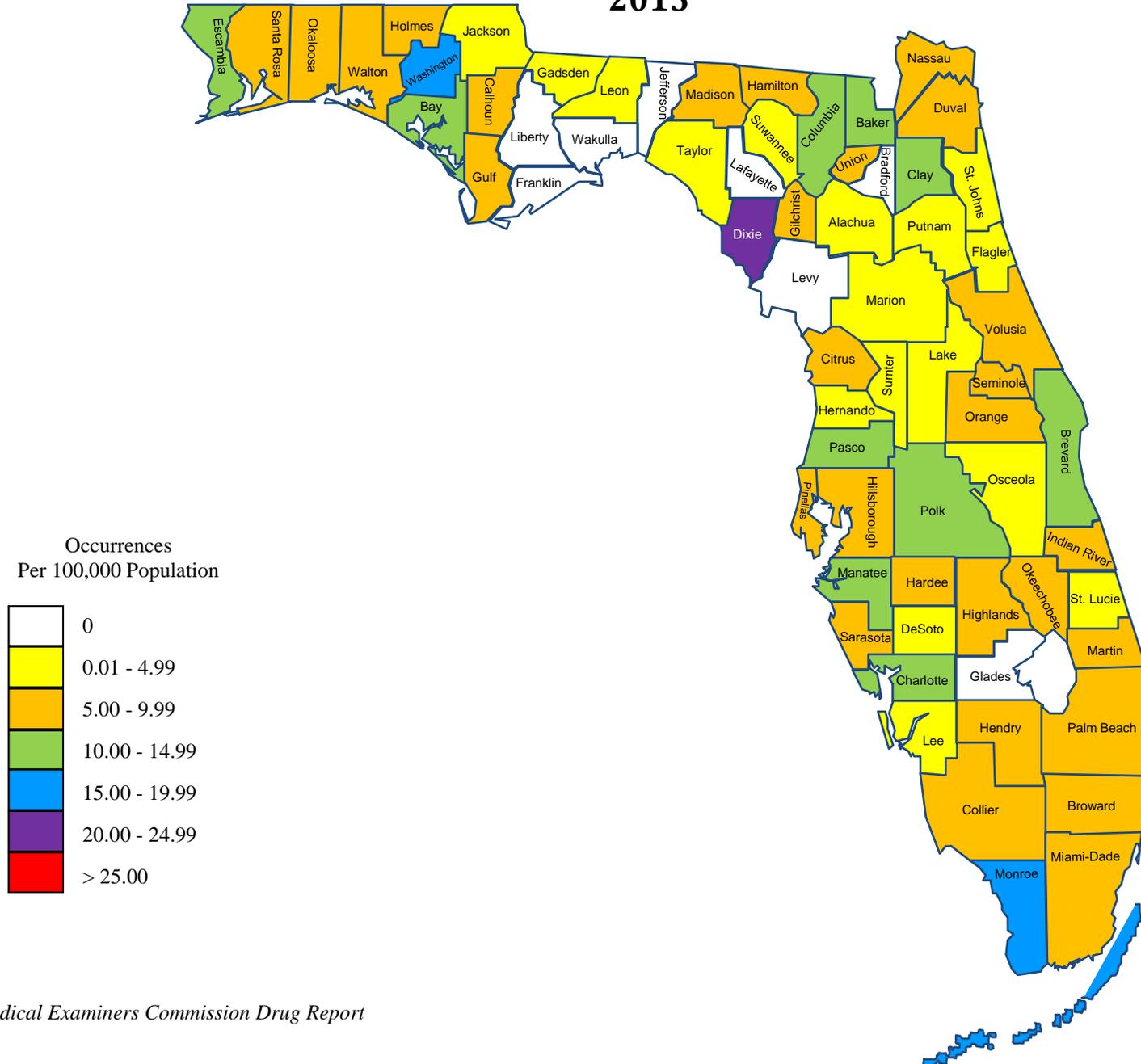
January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	71
2	Tallahassee	9
3	Live Oak	13
4	Jacksonville	87
5	Leesburg	37
6	St. Petersburg	136
7	Daytona Beach	41
8	Gainesville	12
9	Orlando	99
10	Lakeland	75
11	Miami	204
12	Sarasota	80
13	Tampa	127
14	Panama City	27
15	West Palm Beach	89
16	Florida Keys	12
17	Ft. Lauderdale	93
18	Melbourne	70
19	Ft. Pierce	33
20	Naples	26
21	Ft. Myers	32
22	Port Charlotte	23
23	St. Augustine	14
24	Sanford	29
<b>Statewide Totals</b>		<b>1,439</b>

Alprazolam Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
41	0	2	10	17	12	
3	0	0	0	1	2	
5	0	1	0	3	1	
38	0	4	12	10	12	
10	0	2	2	5	1	
78	0	6	14	19	39	
8	0	2	0	4	2	
2	0	0	0	1	1	
27	1	4	6	8	8	
26	1	1	7	10	7	
47	0	7	9	16	15	
44	0	3	14	16	11	
47	0	3	9	21	14	
13	0	0	1	3	9	
56	0	7	13	17	19	
3	0	0	0	3	0	
69	1	11	14	23	20	
30	0	2	7	12	9	
4	0	0	1	2	1	
10	0	1	2	3	4	
10	0	0	3	3	4	
7	0	1	0	3	3	
4	0	0	1	1	2	
6	0	2	0	1	3	
<b>588</b>	<b>3</b>	<b>59</b>	<b>125</b>	<b>202</b>	<b>199</b>	

Alprazolam Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
30	1	6	4	8	11	
6	0	1	0	3	2	
8	0	0	1	2	5	
49	2	4	10	13	20	
27	0	8	5	5	9	
58	2	6	6	12	32	
33	0	3	5	11	14	
10	0	2	1	0	7	
72	1	11	10	26	24	
49	0	8	8	18	15	
157	2	26	28	36	65	
36	0	3	5	8	20	
80	1	10	9	20	40	
14	0	2	4	4	4	
33	0	10	6	10	7	
9	0	0	3	3	3	
24	0	2	3	6	13	
40	1	2	4	12	21	
29	0	5	3	11	10	
16	0	0	4	2	10	
22	0	1	5	8	8	
16	0	0	2	7	7	
10	0	2	1	4	3	
23	0	1	4	7	11	
<b>851</b>	<b>10</b>	<b>113</b>	<b>131</b>	<b>236</b>	<b>361</b>	

# Alprazolam Deaths by County 2015



## Diazepam Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Diazepam		
Total	Cause	Present
21	8	13
8	1	7
4	1	3
61	14	47
24	0	24
59	41	18
25	3	22
9	4	5
37	0	37
13	1	12
58	3	55
36	18	18
30	16	14
16	4	12
43	15	28
8	1	7
19	9	10
41	13	28
32	0	32
17	5	12
18	5	13
4	1	3
14	0	14
7	0	7
<b>604</b>	<b>163</b>	<b>441</b>

Deaths with Diazepam Only		
Total	Cause	Present
1	0	1
0	0	0
0	0	0
1	0	1
0	0	0
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
6	0	6
1	0	1
0	0	0
2	0	2
4	0	4
2	0	2
1	1	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
2	0	2
<b>21</b>	<b>1</b>	<b>20</b>

Deaths with Diazepam in Combination with Other Drugs		
Total	Cause	Present
20	8	12
8	1	7
4	1	3
60	14	46
24	0	24
58	41	17
25	3	22
9	4	5
37	0	37
13	1	12
52	3	49
35	18	17
30	16	14
14	4	10
39	15	24
6	1	5
18	8	10
41	13	28
32	0	32
17	5	12
18	5	13
4	1	3
14	0	14
5	0	5
<b>583</b>	<b>162</b>	<b>421</b>

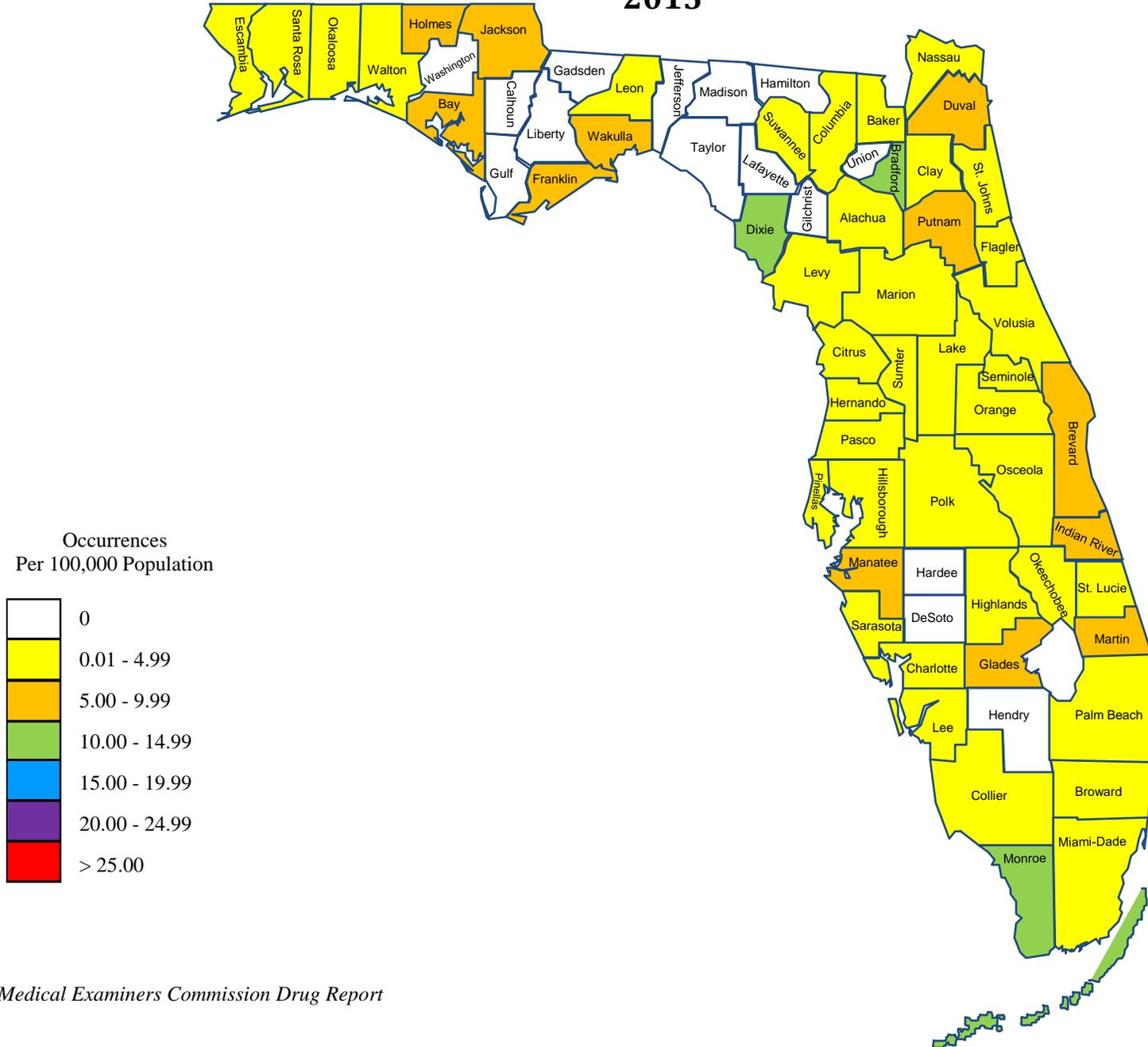
## Diazepam Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	21
2	Tallahassee	8
3	Live Oak	4
4	Jacksonville	61
5	Leesburg	24
6	St. Petersburg	59
7	Daytona Beach	25
8	Gainesville	9
9	Orlando	37
10	Lakeland	13
11	Miami	58
12	Sarasota	36
13	Tampa	30
14	Panama City	16
15	West Palm Beach	43
16	Florida Keys	8
17	Ft. Lauderdale	19
18	Melbourne	41
19	Ft. Pierce	32
20	Naples	17
21	Ft. Myers	18
22	Port Charlotte	4
23	St. Augustine	14
24	Sanford	7
<b>Statewide Totals</b>		<b>604</b>

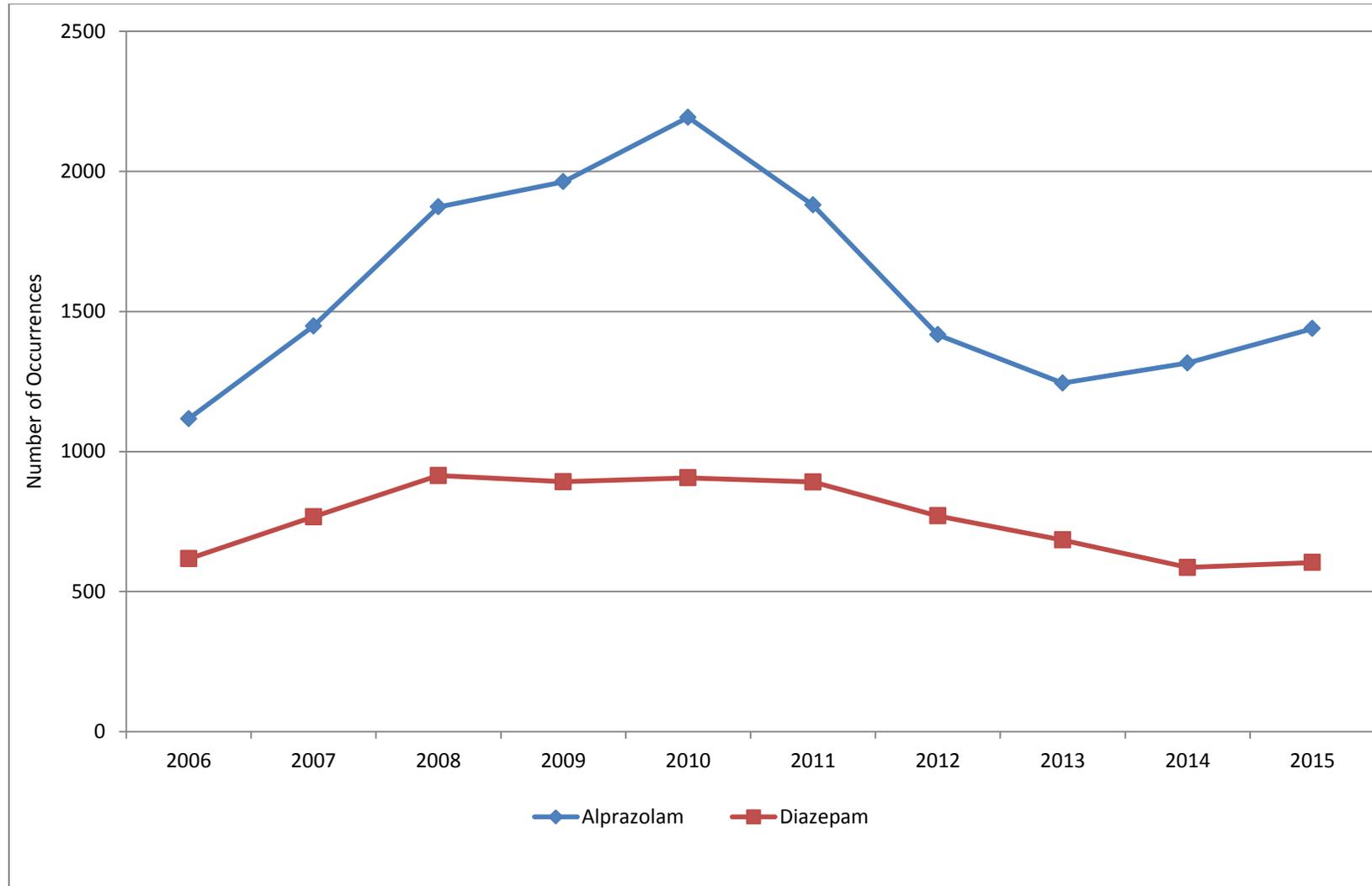
Diazepam Caused Death						
<i>Age of Decedent</i>						
Total	< 18	18-25	26-34	35-50	>50	
8	0	0	2	3	3	
1	0	0	0	1	0	
1	0	0	0	0	1	
14	0	1	1	5	7	
0	0	0	0	0	0	
41	0	1	5	15	20	
3	0	0	1	0	2	
4	0	0	0	2	2	
0	0	0	0	0	0	
1	0	0	0	1	0	
3	0	0	0	1	2	
18	0	0	0	7	11	
16	0	0	2	7	7	
4	0	0	0	1	3	
15	0	0	3	4	8	
1	0	0	0	1	0	
9	0	0	2	0	7	
13	0	0	1	5	7	
0	0	0	0	0	0	
5	0	0	0	0	5	
5	0	0	0	2	3	
1	0	0	0	0	1	
0	0	0	0	0	0	
0	0	0	0	0	0	
<b>163</b>	<b>0</b>	<b>2</b>	<b>17</b>	<b>55</b>	<b>89</b>	

Diazepam Present at Death						
<i>Age of Decedent</i>						
Total	<18	18-25	26-34	35-50	>50	
13	1	0	3	4	5	
7	0	0	2	4	1	
3	0	0	0	1	2	
47	0	0	7	14	26	
24	0	1	1	10	12	
18	0	0	3	4	11	
22	0	0	2	9	11	
5	0	0	0	3	2	
37	1	0	7	9	20	
12	0	1	1	4	6	
55	1	2	4	10	38	
18	0	1	2	2	13	
14	0	0	1	4	9	
12	1	1	2	2	6	
28	0	1	3	11	13	
7	1	0	2	1	3	
10	0	1	2	2	5	
28	1	0	1	7	19	
32	0	2	3	5	22	
12	0	0	2	1	9	
13	0	1	1	4	7	
3	0	0	0	1	2	
14	0	0	2	3	9	
7	0	1	1	2	3	
<b>441</b>	<b>6</b>	<b>12</b>	<b>52</b>	<b>117</b>	<b>254</b>	

# Diazepam Deaths by County 2015



# Occurrences of Alprazolam and Diazepam (Present and Cause) 2006 to 2015



## Oxycodone Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Oxycodone		
Total	Cause	Present
34	21	13
15	8	7
10	7	3
83	45	38
42	22	20
106	60	46
32	18	14
25	17	8
72	28	44
42	19	23
78	31	47
47	27	20
70	36	34
20	7	13
80	47	33
20	5	15
61	44	17
76	47	29
63	32	31
20	13	7
39	13	26
21	7	14
11	6	5
14	5	9
<b>1,081</b>	<b>565</b>	<b>516</b>

Deaths with Oxycodone Only		
Total	Cause	Present
3	1	2
1	0	1
3	2	1
8	4	4
7	3	4
12	5	7
0	0	0
5	1	4
9	0	9
6	2	4
6	0	6
6	2	4
3	1	2
2	0	2
9	2	7
1	0	1
8	5	3
4	1	3
4	0	4
0	0	0
5	0	5
0	0	0
0	0	0
1	0	1
<b>103</b>	<b>29</b>	<b>74</b>

Deaths with Oxycodone in Combination with Other Drugs		
Total	Cause	Present
31	20	11
14	8	6
7	5	2
75	41	34
35	19	16
94	55	39
32	18	14
20	16	4
63	28	35
36	17	19
72	31	41
41	25	16
67	35	32
18	7	11
71	45	26
19	5	14
53	39	14
72	46	26
59	32	27
20	13	7
34	13	21
21	7	14
11	6	5
13	5	8
<b>978</b>	<b>536</b>	<b>442</b>

## Oxycodone Deaths by Age

January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	34
2	Tallahassee	15
3	Live Oak	10
4	Jacksonville	83
5	Leesburg	42
6	St. Petersburg	106
7	Daytona Beach	32
8	Gainesville	25
9	Orlando	72
10	Lakeland	42
11	Miami	78
12	Sarasota	47
13	Tampa	70
14	Panama City	20
15	West Palm Beach	80
16	Florida Keys	20
17	Ft. Lauderdale	61
18	Melbourne	76
19	Ft. Pierce	63
20	Naples	20
21	Ft. Myers	39
22	Port Charlotte	21
23	St. Augustine	11
24	Sanford	14
<b>Statewide Totals</b>		<b>1,081</b>

Oxycodone Caused Death						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
21	0	1	2	11	7	
8	1	1	3	1	2	
7	0	0	1	3	3	
45	0	1	10	18	16	
22	0	1	2	9	10	
60	0	2	4	19	35	
18	0	2	5	5	6	
17	0	1	5	7	4	
28	0	2	6	6	14	
19	1	0	2	10	6	
31	0	3	8	6	14	
27	0	1	1	12	13	
36	0	1	5	10	20	
7	0	0	0	2	5	
47	0	6	8	16	17	
5	0	0	1	4	0	
44	0	4	8	14	18	
47	1	1	6	21	18	
32	0	1	2	12	17	
13	0	0	2	3	8	
13	0	2	3	4	4	
7	0	0	1	3	3	
6	0	2	1	2	1	
5	1	1	0	0	3	
<b>565</b>	<b>4</b>	<b>33</b>	<b>86</b>	<b>198</b>	<b>244</b>	

Oxycodone Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
13	0	1	3	4	5	
7	0	0	0	1	6	
3	0	0	1	0	2	
38	0	2	6	14	16	
20	0	1	4	4	11	
46	0	1	7	7	31	
14	0	0	1	7	6	
8	0	0	2	3	3	
44	0	2	3	17	22	
23	0	0	1	9	13	
47	0	2	8	11	26	
20	0	0	4	6	10	
34	0	3	2	7	22	
13	0	0	3	1	9	
33	0	2	8	10	13	
15	0	1	3	3	8	
17	0	2	1	3	11	
29	0	1	6	7	15	
31	0	1	5	9	16	
7	0	0	2	2	3	
26	1	2	2	8	13	
14	0	0	0	7	7	
5	0	0	1	1	3	
9	0	1	2	3	3	
<b>516</b>	<b>1</b>	<b>22</b>	<b>75</b>	<b>144</b>	<b>274</b>	



## Hydrocodone Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Hydrocodone		
Total	Cause	Present
45	13	32
10	3	7
12	4	8
72	21	51
27	12	15
65	28	37
31	9	22
13	4	9
59	13	46
35	10	25
34	10	24
28	11	17
46	16	30
18	4	14
26	16	10
9	2	7
21	12	9
39	21	18
21	6	15
15	6	9
17	4	13
5	2	3
13	4	9
19	5	14
<b>680</b>	<b>236</b>	<b>444</b>

Deaths with Hydrocodone Only		
Total	Cause	Present
7	1	6
3	1	2
2	0	2
5	0	5
3	0	3
7	1	6
2	0	2
5	0	5
19	1	18
3	0	3
2	0	2
1	0	1
5	0	5
3	0	3
3	0	3
2	0	2
3	0	3
1	0	1
2	0	2
4	0	4
6	1	5
0	0	0
5	2	3
1	0	1
<b>94</b>	<b>7</b>	<b>87</b>

Deaths with Hydrocodone in Combination with Other Drugs		
Total	Cause	Present
38	12	26
7	2	5
10	4	6
67	21	46
24	12	12
58	27	31
29	9	20
8	4	4
40	12	28
32	10	22
32	10	22
27	11	16
41	16	25
15	4	11
23	16	7
7	2	5
18	12	6
38	21	17
19	6	13
11	6	5
11	3	8
5	2	3
8	2	6
18	5	13
<b>586</b>	<b>229</b>	<b>357</b>

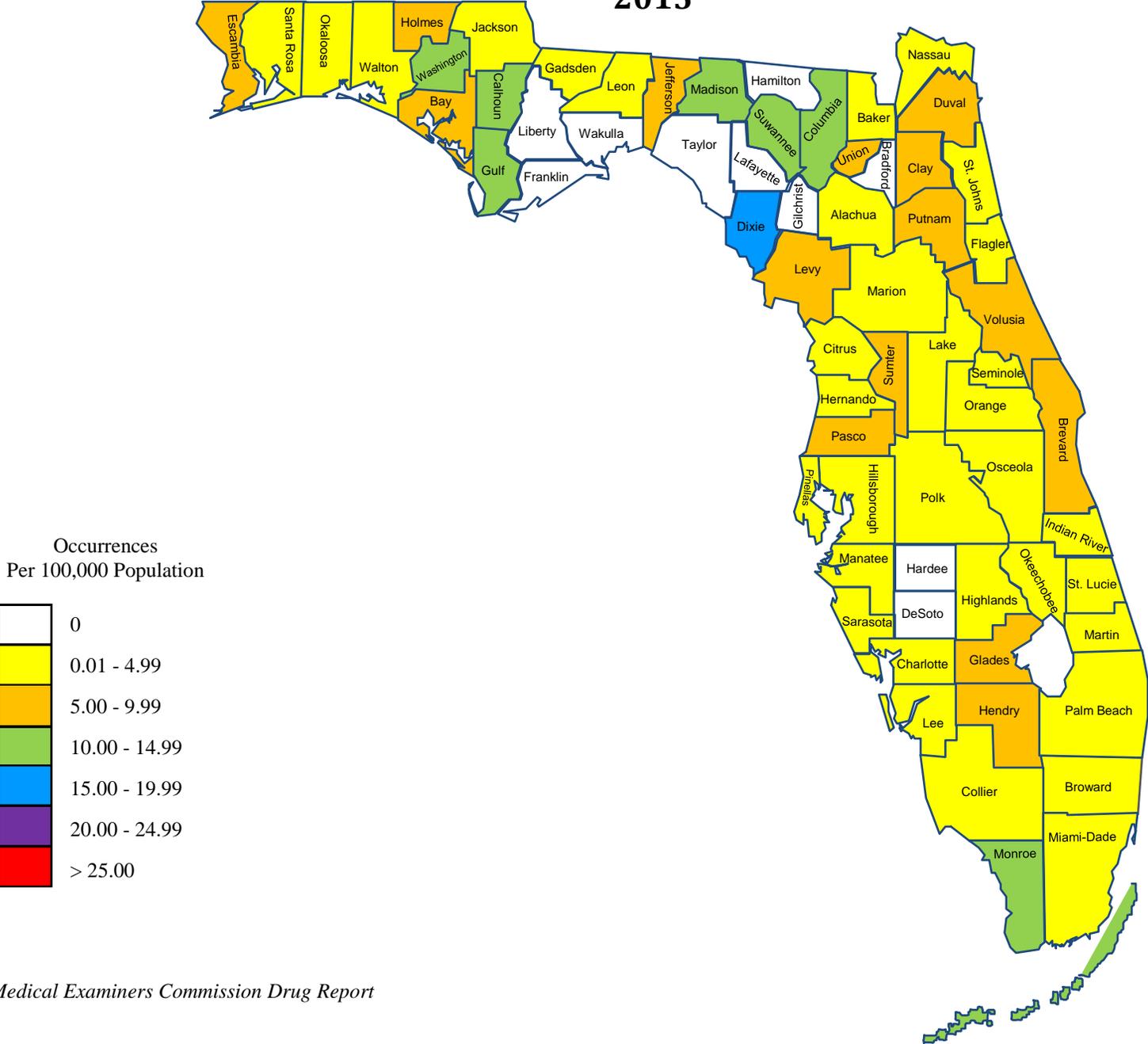
## Hydrocodone Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	45
2	Tallahassee	10
3	Live Oak	12
4	Jacksonville	72
5	Leesburg	27
6	St. Petersburg	65
7	Daytona Beach	31
8	Gainesville	13
9	Orlando	59
10	Lakeland	35
11	Miami	34
12	Sarasota	28
13	Tampa	46
14	Panama City	18
15	West Palm Beach	26
16	Florida Keys	9
17	Ft. Lauderdale	21
18	Melbourne	39
19	Ft. Pierce	21
20	Naples	15
21	Ft. Myers	17
22	Port Charlotte	5
23	St. Augustine	13
24	Sanford	19
<b>Statewide Totals</b>		<b>680</b>

Hydrocodone Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
13	0	1	3	2	7
3	0	0	0	2	1
4	0	0	0	3	1
21	0	3	3	5	10
12	0	0	0	5	7
28	0	1	4	9	14
9	0	1	1	2	5
4	0	0	0	1	3
13	0	0	2	3	8
10	0	0	2	2	6
10	0	1	2	3	4
11	0	0	0	5	6
16	0	0	3	5	8
4	0	0	0	2	2
16	0	0	0	4	12
2	0	0	0	2	0
12	0	0	1	5	6
21	0	0	2	10	9
6	1	0	1	1	3
6	0	0	1	1	4
4	0	0	2	0	2
2	0	0	0	1	1
4	0	0	0	2	2
5	0	0	1	1	3
<b>236</b>	<b>1</b>	<b>7</b>	<b>28</b>	<b>76</b>	<b>124</b>

Hydrocodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
32	0	4	7	9	12
7	0	0	1	4	2
8	0	0	1	2	5
51	0	2	6	16	27
15	0	1	1	5	8
37	0	1	2	8	26
22	0	1	1	10	10
9	0	0	0	1	8
46	0	0	3	10	33
25	0	1	1	9	14
24	0	0	3	8	13
17	0	0	4	5	8
30	0	3	3	7	17
14	0	0	2	2	10
10	1	0	1	5	3
7	0	0	0	1	6
9	0	0	1	1	7
18	0	1	0	5	12
15	0	1	1	6	7
9	0	0	0	4	5
13	0	0	0	6	7
3	0	0	0	0	3
9	0	0	1	1	7
14	0	0	2	3	9
<b>444</b>	<b>1</b>	<b>15</b>	<b>41</b>	<b>128</b>	<b>259</b>

# Hydrocodone Deaths by County 2015



## Methadone Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Methadone		
Total	Cause	Present
29	18	11
5	3	2
6	3	3
32	21	11
33	17	16
56	47	9
18	14	4
15	10	5
40	20	20
14	10	4
12	4	8
25	17	8
42	32	10
5	1	4
15	13	2
4	1	3
15	12	3
23	13	10
21	9	12
5	4	1
19	8	11
5	3	2
4	3	1
10	7	3
<b>453</b>	<b>290</b>	<b>163</b>

Deaths with Methadone Only		
Total	Cause	Present
3	2	1
1	1	0
1	0	1
3	2	1
2	1	1
7	7	0
3	2	1
3	2	1
3	0	3
0	0	0
0	0	0
2	1	1
11	6	5
1	0	1
1	1	0
1	0	1
1	0	1
1	0	1
4	1	3
0	0	0
2	1	1
0	0	0
1	0	1
2	1	1
<b>53</b>	<b>28</b>	<b>25</b>

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
26	16	10
4	2	2
5	3	2
29	19	10
31	16	15
49	40	9
15	12	3
12	8	4
37	20	17
14	10	4
12	4	8
23	16	7
31	26	5
4	1	3
14	12	2
3	1	2
14	12	2
22	13	9
17	8	9
5	4	1
17	7	10
5	3	2
3	3	0
8	6	2
<b>400</b>	<b>262</b>	<b>138</b>

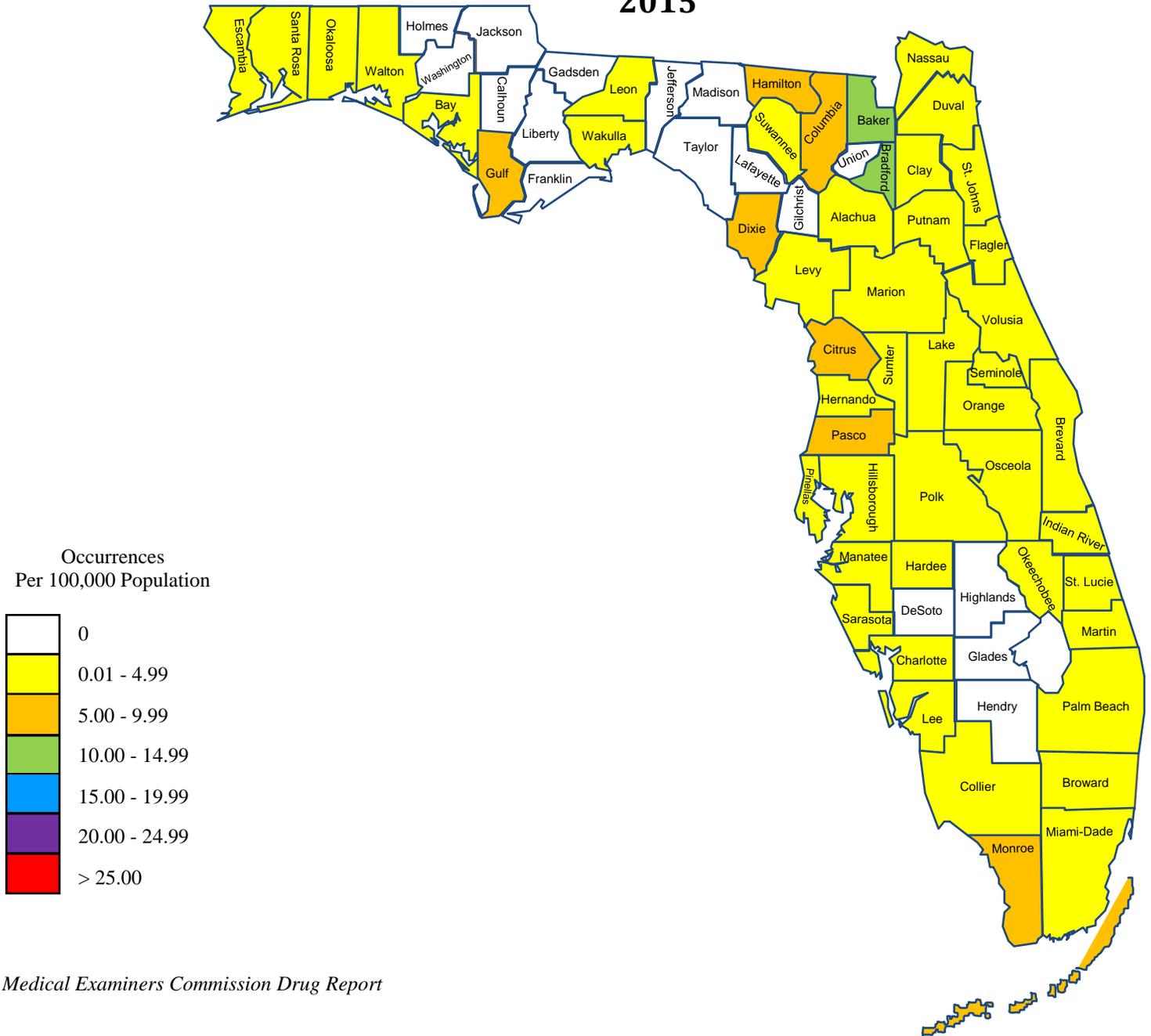
## Methadone Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	29
2	Tallahassee	5
3	Live Oak	6
4	Jacksonville	32
5	Leesburg	33
6	St. Petersburg	56
7	Daytona Beach	18
8	Gainesville	15
9	Orlando	40
10	Lakeland	14
11	Miami	12
12	Sarasota	25
13	Tampa	42
14	Panama City	5
15	West Palm Beach	15
16	Florida Keys	4
17	Ft. Lauderdale	15
18	Melbourne	23
19	Ft. Pierce	21
20	Naples	5
21	Ft. Myers	19
22	Port Charlotte	5
23	St. Augustine	4
24	Sanford	10
<b>Statewide Totals</b>		<b>453</b>

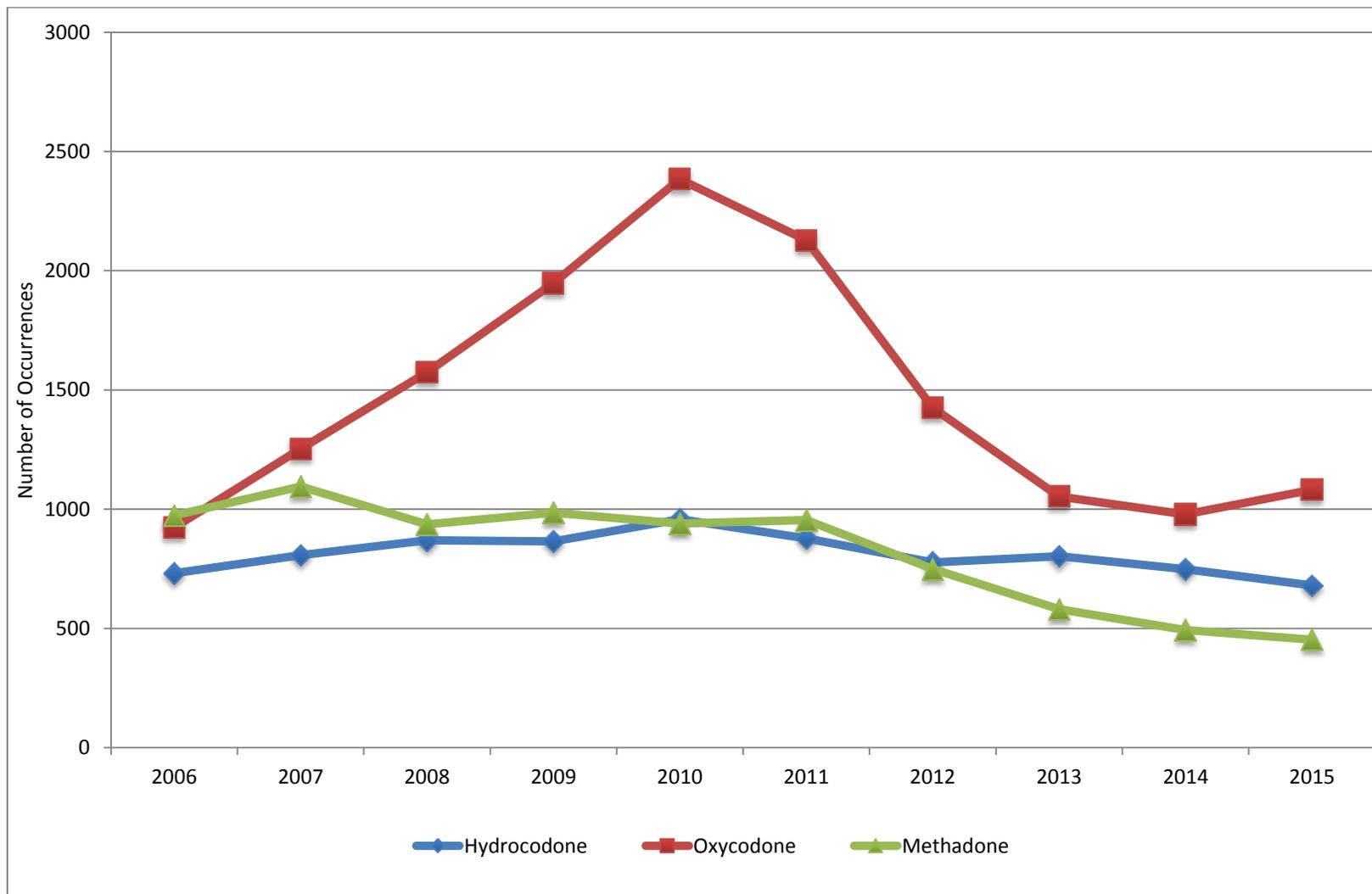
Methadone Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
18	0	1	4	7	6	
3	0	0	0	2	1	
3	0	0	0	2	1	
21	1	0	6	8	6	
17	0	1	4	9	3	
47	0	5	11	16	15	
14	0	1	2	6	5	
10	0	1	1	6	2	
20	0	2	4	8	6	
10	0	0	2	4	4	
4	0	0	1	3	0	
17	0	0	0	9	8	
32	0	1	7	11	13	
1	0	0	0	0	1	
13	0	1	1	6	5	
1	0	0	0	1	0	
12	0	0	3	4	5	
13	0	2	1	5	5	
9	0	0	2	4	3	
4	0	0	1	1	2	
8	0	1	2	2	3	
3	0	0	1	1	1	
3	0	0	0	1	2	
7	1	1	0	0	5	
<b>290</b>	<b>2</b>	<b>17</b>	<b>53</b>	<b>116</b>	<b>102</b>	

Methadone Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
11	0	0	2	5	4	
2	0	0	0	2	0	
3	0	0	1	1	1	
11	0	0	4	2	5	
16	0	3	2	9	2	
9	0	1	2	2	4	
4	0	0	0	4	0	
5	0	0	0	3	2	
20	1	0	4	4	11	
4	0	0	0	1	3	
8	0	0	1	1	6	
8	0	0	0	4	4	
10	0	0	1	4	5	
4	0	1	0	1	2	
2	0	0	0	0	2	
3	0	0	1	1	1	
3	0	0	1	2	0	
10	0	0	1	4	5	
12	0	1	1	4	6	
1	0	0	0	1	0	
11	0	0	0	7	4	
2	0	0	0	0	2	
1	0	0	0	0	1	
3	0	0	2	1	0	
<b>163</b>	<b>1</b>	<b>6</b>	<b>23</b>	<b>63</b>	<b>70</b>	

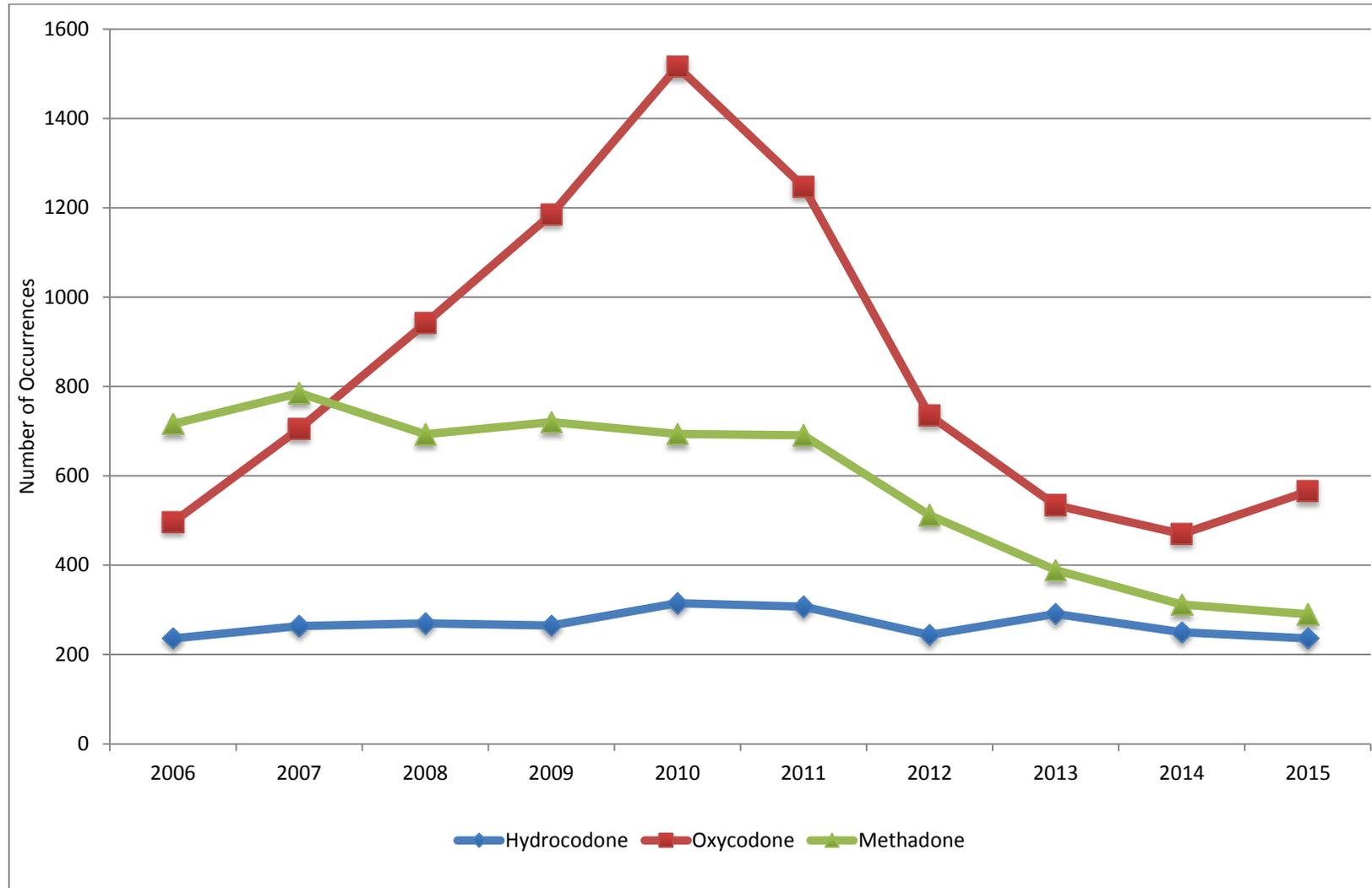
# Methadone Deaths by County 2015



# Occurrences of Hydrocodone, Oxycodone, and Methadone (Present and Cause) 2006 to 2015



## Deaths Caused by Hydrocodone, Oxycodone, and Methadone 2006 to 2015



## Morphine Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Morphine		
Total	Cause	Present
64	43	21
9	1	8
5	2	3
100	71	29
41	23	18
118	60	58
48	31	17
25	8	17
194	128	66
50	21	29
157	94	63
122	53	69
99	58	41
15	4	11
64	48	16
7	5	2
96	77	19
63	44	19
38	23	15
28	21	7
66	46	20
25	5	20
14	7	7
35	22	13
<b>1,483</b>	<b>895</b>	<b>588</b>

Deaths with Morphine Only		
Total	Cause	Present
5	1	4
2	0	2
2	1	1
4	0	4
3	2	1
15	3	12
4	2	2
5	1	4
14	2	12
9	1	8
4	0	4
10	2	8
12	4	8
4	1	3
6	4	2
1	1	0
11	8	3
5	2	3
1	1	0
1	0	1
0	0	0
3	0	3
1	0	1
3	1	2
<b>125</b>	<b>37</b>	<b>88</b>

Deaths with Morphine in Combination with Other Drugs		
Total	Cause	Present
59	42	17
7	1	6
3	1	2
96	71	25
38	21	17
103	57	46
44	29	15
20	7	13
180	126	54
41	20	21
153	94	59
112	51	61
87	54	33
11	3	8
58	44	14
6	4	2
85	69	16
58	42	16
37	22	15
27	21	6
66	46	20
22	5	17
13	7	6
32	21	11
<b>1,358</b>	<b>858</b>	<b>500</b>

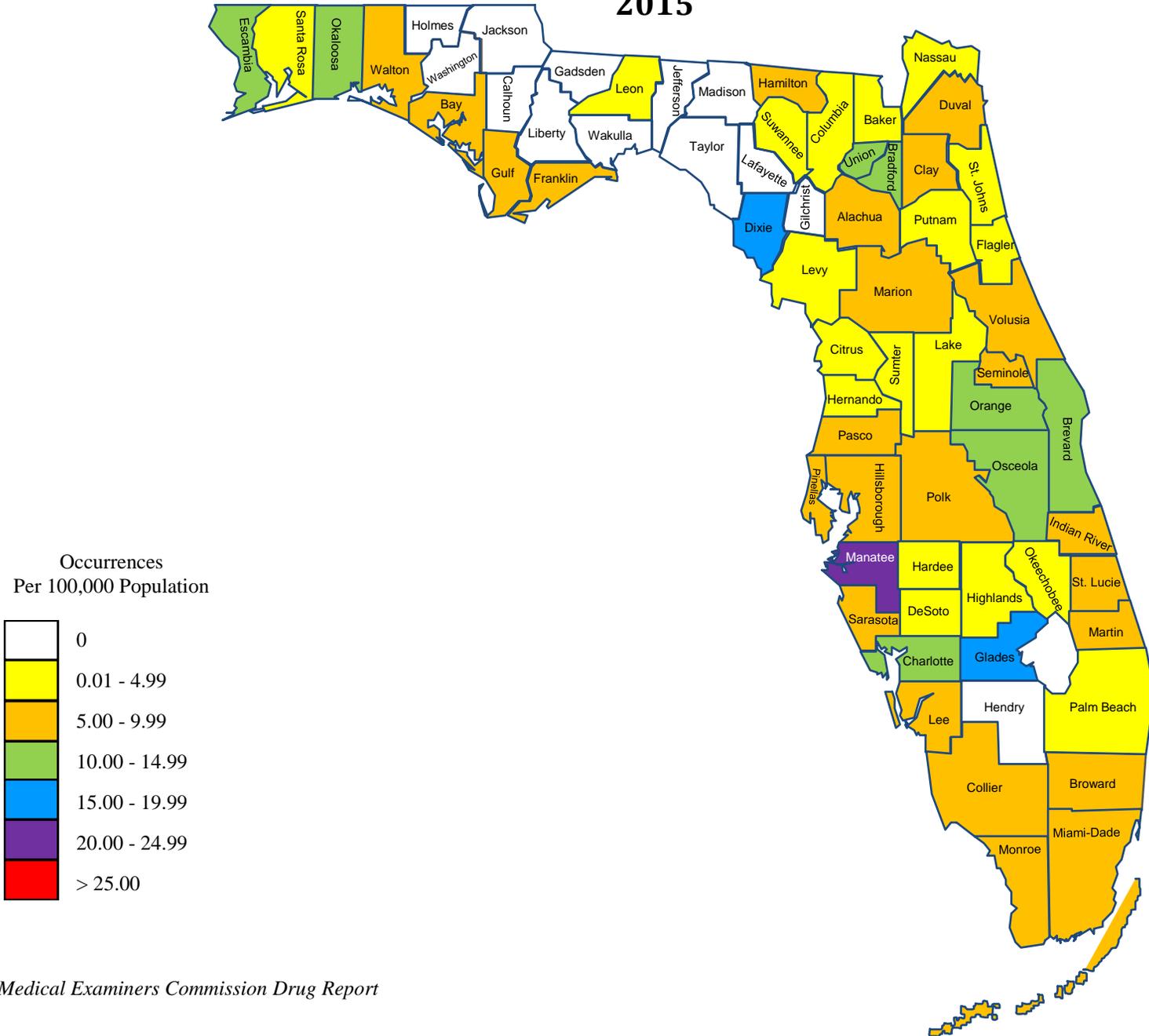
## Morphine Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	64
2	Tallahassee	9
3	Live Oak	5
4	Jacksonville	100
5	Leesburg	41
6	St. Petersburg	118
7	Daytona Beach	48
8	Gainesville	25
9	Orlando	194
10	Lakeland	50
11	Miami	157
12	Sarasota	122
13	Tampa	99
14	Panama City	15
15	West Palm Beach	64
16	Florida Keys	7
17	Ft. Lauderdale	96
18	Melbourne	63
19	Ft. Pierce	38
20	Naples	28
21	Ft. Myers	66
22	Port Charlotte	25
23	St. Augustine	14
24	Sanford	35
<b>Statewide Totals</b>		<b>1,483</b>

Morphine Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
43	1	5	14	14	9	
1	0	0	0	0	1	
2	0	0	0	0	2	
71	0	6	22	32	11	
23	0	3	5	7	8	
60	0	0	9	19	32	
31	0	2	6	13	10	
8	0	1	0	3	4	
128	1	13	35	52	27	
21	0	1	3	8	9	
94	1	15	28	38	12	
53	0	8	16	17	12	
58	0	5	15	22	16	
4	0	0	0	0	4	
48	0	3	6	18	21	
5	0	0	1	3	1	
77	1	11	10	32	23	
44	1	3	4	18	18	
23	0	1	9	5	8	
21	0	2	8	4	7	
46	1	7	12	10	16	
5	0	0	1	3	1	
7	0	2	0	4	1	
22	0	4	7	9	2	
<b>895</b>	<b>6</b>	<b>92</b>	<b>211</b>	<b>331</b>	<b>255</b>	

Morphine Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
21	0	1	13	3	4	
8	0	0	1	1	6	
3	0	0	0	2	1	
29	0	1	5	11	12	
18	0	0	5	5	8	
58	0	5	4	19	30	
17	0	0	3	8	6	
17	0	1	1	7	8	
66	1	5	10	18	32	
29	0	1	7	5	16	
63	1	2	8	12	40	
69	1	10	16	20	22	
41	0	1	3	10	27	
11	0	0	2	2	7	
16	0	2	1	5	8	
2	0	0	1	1	0	
19	0	0	3	5	11	
19	0	1	3	4	11	
15	0	1	0	5	9	
7	0	2	1	1	3	
20	0	2	2	10	6	
20	0	1	1	2	16	
7	0	1	0	1	5	
13	0	1	3	3	6	
<b>588</b>	<b>3</b>	<b>38</b>	<b>93</b>	<b>160</b>	<b>294</b>	

# Morphine Deaths by County 2015



## Fentanyl Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Fentanyl		
Total	Cause	Present
30	27	3
5	1	4
1	1	0
56	48	8
10	7	3
59	49	10
26	14	12
12	9	3
105	67	38
17	14	3
102	82	20
122	111	11
24	15	9
10	9	1
103	90	13
3	3	0
82	77	5
40	26	14
25	8	17
10	7	3
31	19	12
15	7	8
8	3	5
15	11	4
<b>911</b>	<b>705</b>	<b>206</b>

Deaths with Fentanyl Only		
Total	Cause	Present
0	0	0
1	0	1
0	0	0
8	6	2
0	0	0
8	8	0
1	0	1
3	2	1
13	5	8
3	2	1
4	1	3
14	13	1
3	1	2
2	2	0
9	8	1
0	0	0
11	10	1
6	3	3
1	0	1
1	0	1
6	1	5
0	0	0
2	0	2
3	1	2
<b>99</b>	<b>63</b>	<b>36</b>

Deaths with Fentanyl in Combination with Other Drugs		
Total	Cause	Present
30	27	3
4	1	3
1	1	0
48	42	6
10	7	3
51	41	10
25	14	11
9	7	2
92	62	30
14	12	2
98	81	17
108	98	10
21	14	7
8	7	1
94	82	12
3	3	0
71	67	4
34	23	11
24	8	16
9	7	2
25	18	7
15	7	8
6	3	3
12	10	2
<b>812</b>	<b>642</b>	<b>170</b>

## Fentanyl Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	30
2	Tallahassee	5
3	Live Oak	1
4	Jacksonville	56
5	Leesburg	10
6	St. Petersburg	59
7	Daytona Beach	26
8	Gainesville	12
9	Orlando	105
10	Lakeland	17
11	Miami	102
12	Sarasota	122
13	Tampa	24
14	Panama City	10
15	West Palm Beach	103
16	Florida Keys	3
17	Ft. Lauderdale	82
18	Melbourne	40
19	Ft. Pierce	25
20	Naples	10
21	Ft. Myers	31
22	Port Charlotte	15
23	St. Augustine	8
24	Sanford	15
<b>Statewide Totals</b>		<b>911</b>

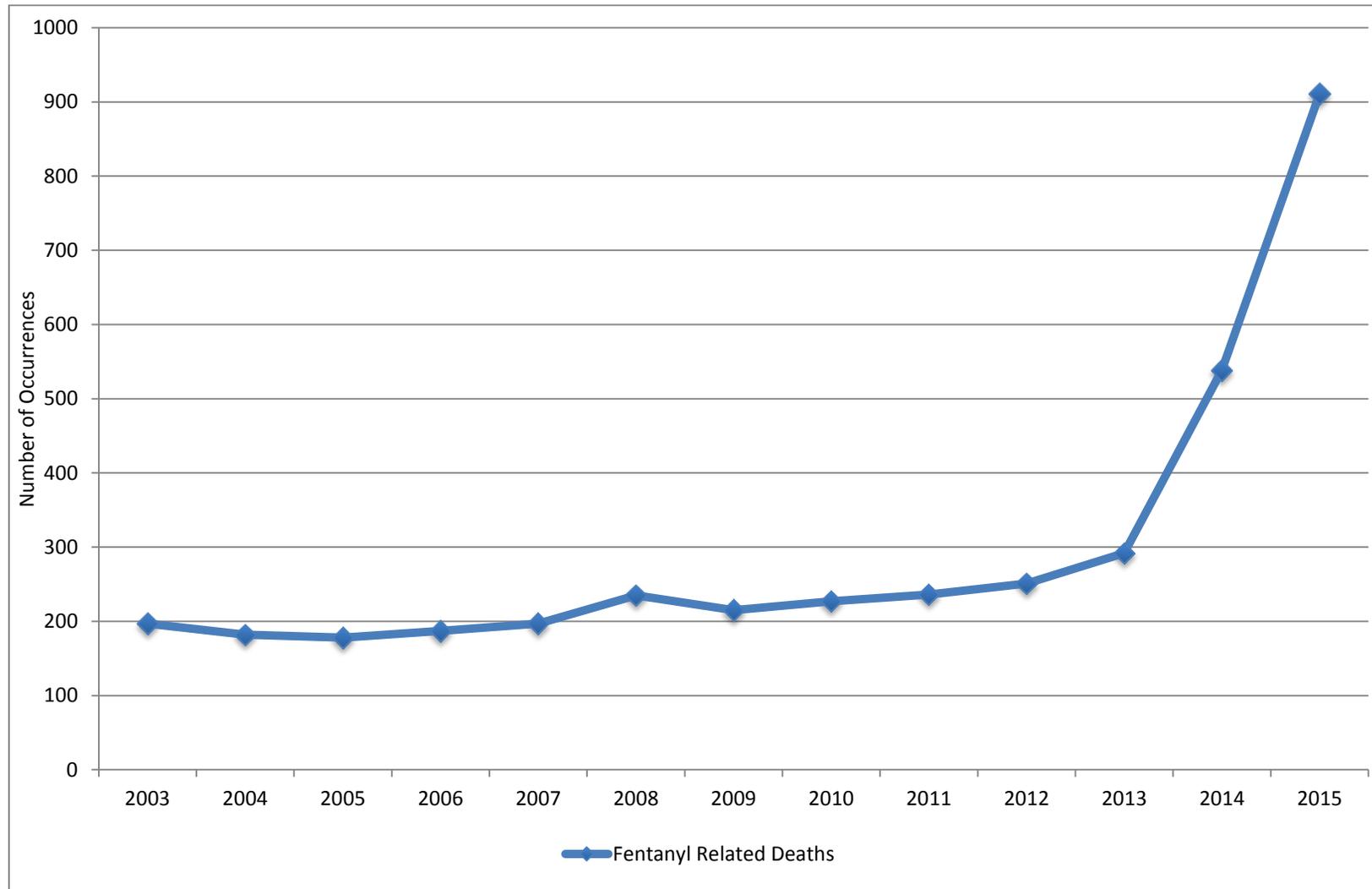
Fentanyl Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
27	0	4	6	11	6	
1	0	0	0	0	1	
1	0	0	0	1	0	
48	0	7	10	19	12	
7	0	1	2	2	2	
49	0	3	14	14	18	
14	0	2	2	5	5	
9	0	1	2	4	2	
67	0	4	22	25	16	
14	0	1	7	3	3	
82	1	8	29	34	10	
111	1	16	34	39	21	
15	0	0	1	8	6	
9	1	1	0	4	3	
90	0	11	37	33	9	
3	0	0	2	1	0	
77	0	11	24	28	14	
26	0	2	6	11	7	
8	0	0	1	4	3	
7	0	2	0	4	1	
19	0	1	2	10	6	
7	0	0	1	4	2	
3	0	0	1	0	2	
11	0	3	4	4	0	
<b>705</b>	<b>3</b>	<b>78</b>	<b>207</b>	<b>268</b>	<b>149</b>	

Fentanyl Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
3	0	1	0	1	1	
4	0	0	0	1	3	
0	0	0	0	0	0	
8	0	0	3	2	3	
3	0	1	0	2	0	
10	0	1	1	2	6	
12	0	2	4	3	3	
3	0	0	1	0	2	
38	1	5	5	10	17	
3	0	0	0	1	2	
20	2	2	3	1	12	
11	0	1	2	4	4	
9	1	1	0	1	6	
1	0	0	1	0	0	
13	0	1	2	5	5	
0	0	0	0	0	0	
5	0	1	1	2	1	
14	0	1	1	5	7	
17	0	1	7	2	7	
3	0	0	2	0	1	
12	0	2	0	2	8	
8	0	0	1	1	6	
5	1	0	0	1	3	
4	0	0	0	0	4	
<b>206</b>	<b>5</b>	<b>20</b>	<b>34</b>	<b>46</b>	<b>101</b>	



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

(Present and Cause)  
2003 to 2015

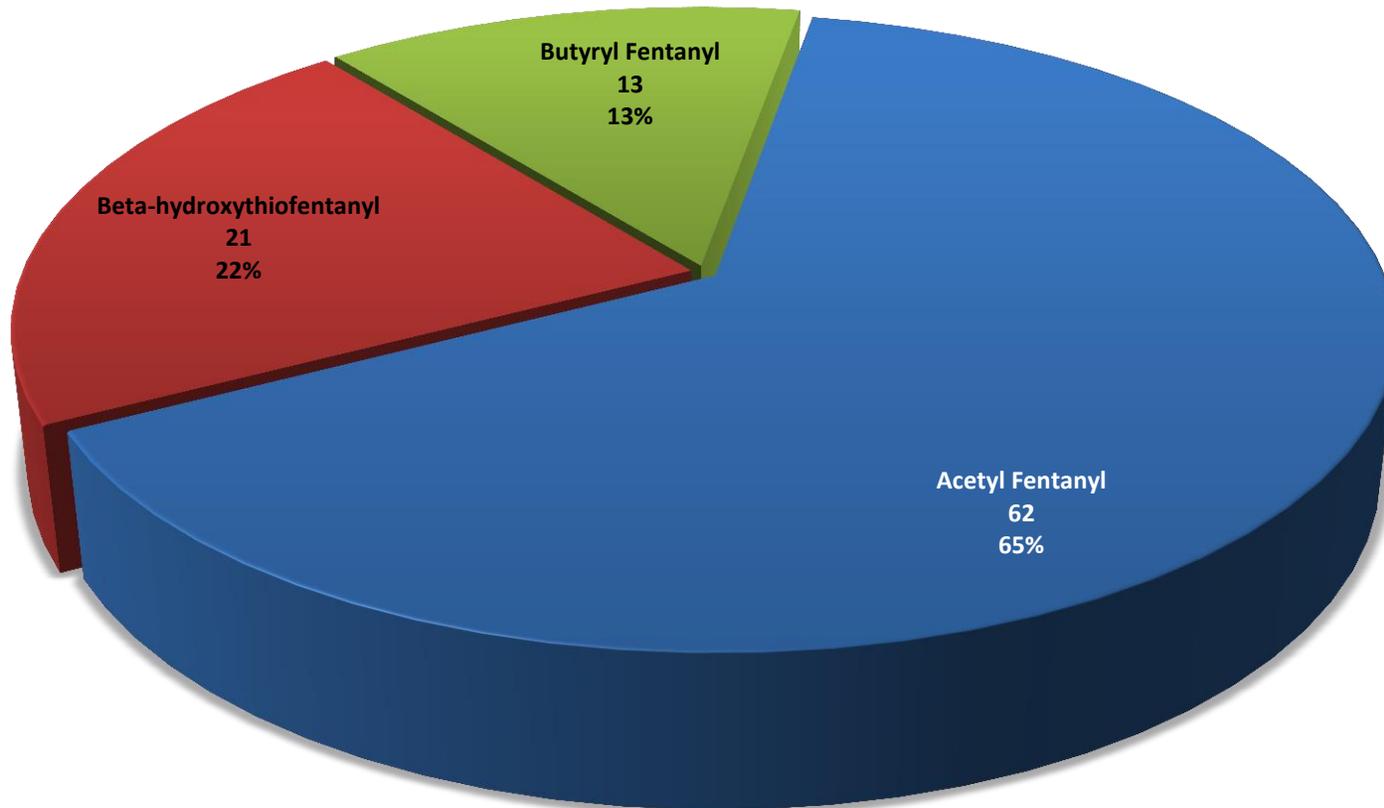


<sup>1</sup>The number of fentanyl occurrences indicated includes occurrences of fentanyl analogs.

## Frequency of Occurrence of Fentanyl Analogs

Total Occurrences = 96

January - December 2015



*Note: While not officially tracked in 2015, several medical examiner offices voluntarily reported data for occurrences of illicit fentanyl analogs.*

## Prescription Drugs in Medical Examiner Deaths 2014 versus 2015

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
<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)		
2014	2015	Percent Change
150	208	38.7%
69	51	-26.1%
36	36	0.0%
306	355	16.0%
239	191	-20.1%
479	472	-1.5%
162	174	7.4%
97	106	9.3%
506	518	2.4%
185	199	7.6%
389	541	39.1%
217	332	53.0%
305	360	18.0%
84	89	6.0%
350	394	12.6%
27	52	92.6%
256	292	14.1%
211	271	28.4%
213	197	-7.5%
73	87	19.2%
203	207	2.0%
70	70	0.0%
83	69	-16.9%
64	93	45.3%
<b>4,774</b>	<b>5,364</b>	<b>12.4%</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)		
2014	2015	Percent Change
85	128	50.6%
34	22	-35.3%
16	22	37.5%
187	220	17.6%
137	103	-24.8%
277	278	0.4%
70	97	38.6%
33	51	54.5%
272	307	12.9%
100	96	-4.0%
174	288	65.5%
126	224	77.8%
159	188	18.2%
40	43	7.5%
201	251	24.9%
13	21	61.5%
167	220	31.7%
115	161	40.0%
100	107	7.0%
45	49	8.9%
101	118	16.8%
35	36	2.9%
43	30	-30.2%
38	44	15.8%
<b>2,568</b>	<b>3,104</b>	<b>20.9%</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		
2014	2015	Percent Change
62	91	46.8%
20	14	-30.0%
10	15	50.0%
134	161	20.1%
84	63	-25.0%
226	212	-6.2%
43	69	60.5%
18	30	66.7%
176	219	24.4%
48	58	20.8%
90	166	84.4%
105	176	67.6%
114	134	17.5%
24	23	-4.2%
155	182	17.4%
9	12	33.3%
136	194	42.6%
76	114	50.0%
64	69	7.8%
37	39	5.4%
57	77	35.1%
12	19	58.3%
21	19	-9.5%
31	35	12.9%
<b>1,752</b>	<b>2,191</b>	<b>25.1%</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>		

## Cocaine Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Cocaine		
Total	Cause	Present
80	31	49
18	6	12
5	1	4
146	64	82
54	30	24
101	63	38
37	17	20
31	20	11
203	124	79
33	20	13
289	115	174
134	89	45
84	28	56
15	3	12
173	109	64
13	4	9
152	113	39
86	53	33
49	26	23
23	14	9
71	22	49
12	3	9
9	1	8
16	11	5
<b>1,834</b>	<b>967</b>	<b>867</b>

Deaths with Cocaine Only		
Total	Cause	Present
14	6	8
2	1	1
1	1	0
22	9	13
15	12	3
14	10	4
7	1	6
10	4	6
32	16	16
6	4	2
44	17	27
11	5	6
21	7	14
5	1	4
16	11	5
5	2	3
20	16	4
12	6	6
6	1	5
6	4	2
4	1	3
2	0	2
2	0	2
3	2	1
<b>280</b>	<b>137</b>	<b>143</b>

Deaths with Cocaine in Combination with Other Drugs		
Total	Cause	Present
66	25	41
16	5	11
4	0	4
124	55	69
39	18	21
87	53	34
30	16	14
21	16	5
171	108	63
27	16	11
245	98	147
123	84	39
63	21	42
10	2	8
157	98	59
8	2	6
132	97	35
74	47	27
43	25	18
17	10	7
67	21	46
10	3	7
7	1	6
13	9	4
<b>1,554</b>	<b>830</b>	<b>724</b>

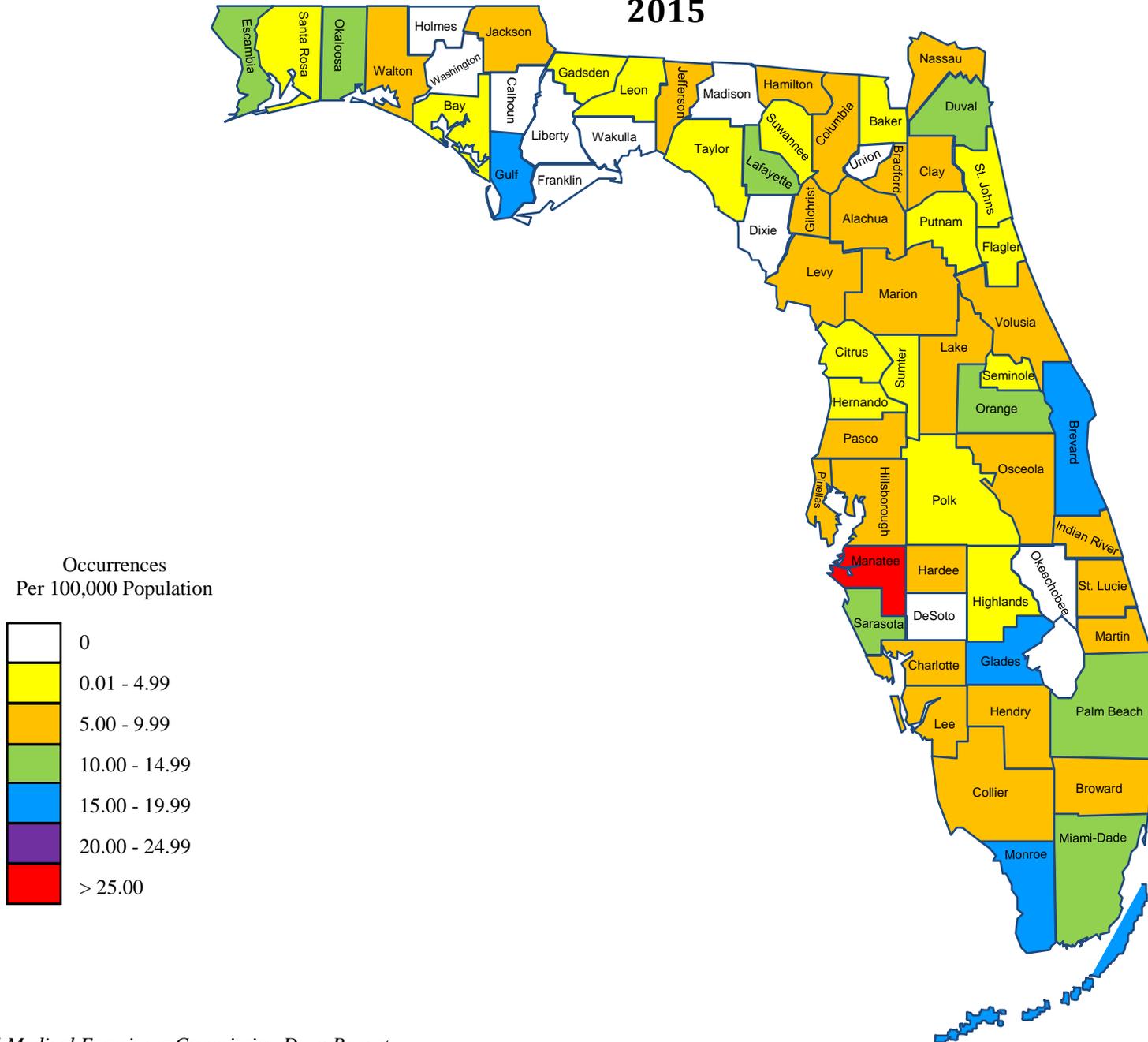
## Cocaine Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	80
2	Tallahassee	18
3	Live Oak	5
4	Jacksonville	146
5	Leesburg	54
6	St. Petersburg	101
7	Daytona Beach	37
8	Gainesville	31
9	Orlando	203
10	Lakeland	33
11	Miami	289
12	Sarasota	134
13	Tampa	84
14	Panama City	15
15	West Palm Beach	173
16	Florida Keys	13
17	Ft. Lauderdale	152
18	Melbourne	86
19	Ft. Pierce	49
20	Naples	23
21	Ft. Myers	71
22	Port Charlotte	12
23	St. Augustine	9
24	Sanford	16
<b>Statewide Totals</b>		<b>1,834</b>

Cocaine Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
31	0	2	7	9	13	
6	0	0	0	2	4	
1	0	0	0	1	0	
64	0	7	16	24	17	
30	0	5	3	14	8	
63	0	5	15	23	20	
17	0	1	3	9	4	
20	0	5	1	9	5	
124	1	11	28	53	31	
20	0	1	6	3	10	
115	0	15	25	41	34	
89	1	6	19	40	23	
28	0	4	2	7	15	
3	0	0	0	2	1	
109	0	10	36	42	21	
4	0	0	0	4	0	
113	0	18	20	38	37	
53	0	1	10	25	17	
26	1	2	6	10	7	
14	1	1	5	3	4	
22	1	4	4	7	6	
3	0	0	0	1	2	
1	0	0	0	0	1	
11	0	0	3	6	2	
<b>967</b>	<b>5</b>	<b>98</b>	<b>209</b>	<b>373</b>	<b>282</b>	

Cocaine Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
49	1	7	7	16	18	
12	0	3	3	4	2	
4	0	1	1	0	2	
82	0	12	19	24	27	
24	0	6	6	7	5	
38	0	1	11	16	10	
20	0	2	1	14	3	
11	0	1	1	6	3	
79	0	10	14	33	22	
13	0	5	3	3	2	
174	2	32	36	55	49	
45	0	3	14	18	10	
56	1	2	7	21	25	
12	0	0	3	7	2	
64	1	16	17	19	11	
9	0	1	5	1	2	
39	1	6	9	12	11	
33	0	4	11	9	9	
23	2	2	5	5	9	
9	0	1	2	3	3	
49	0	4	13	19	13	
9	0	0	1	3	5	
8	0	2	0	5	1	
5	0	1	1	3	0	
<b>867</b>	<b>8</b>	<b>122</b>	<b>190</b>	<b>303</b>	<b>244</b>	

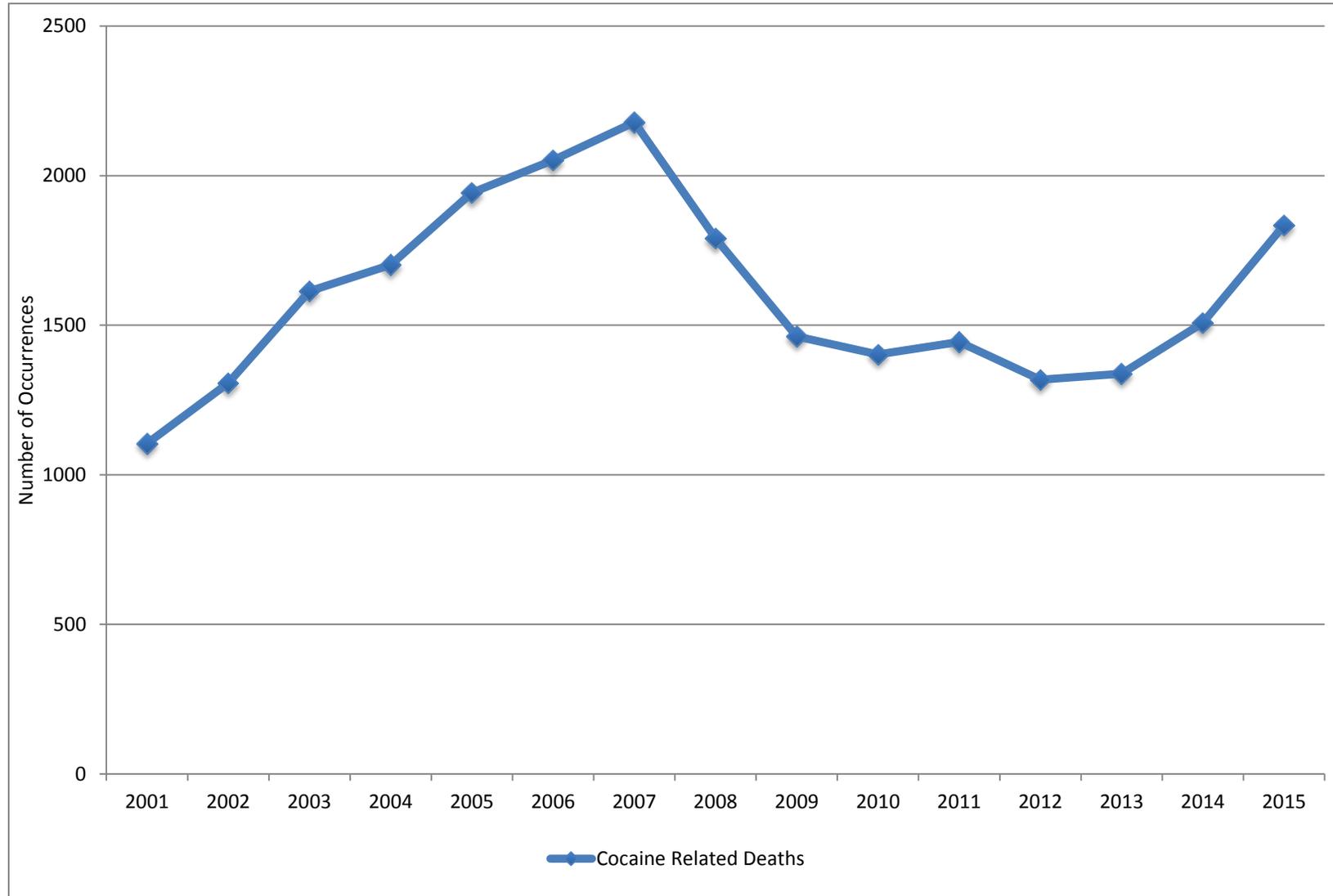
## Cocaine Deaths by County 2015



**Cocaine Related Deaths by Medical Examiner District**  
(Present and Cause)  
2001 to 2015

District	Area of Florida	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Pensacola	23	37	46	59	69	78	76	56	33	36	34	34	31	56	80
2	Tallahassee	28	33	43	38	58	51	40	27	30	25	36	25	23	20	18
3	Live Oak	8	7	13	22	19	16	10	13	16	9	8	13	10	6	5
4	Jacksonville	108	148	184	205	195	246	248	165	125	115	113	119	119	107	146
5	Leesburg	38	47	56	69	60	21	45	67	56	52	48	46	57	62	54
6	St. Petersburg	81	89	116	150	138	185	173	154	139	134	112	125	100	98	101
7	Daytona Beach	37	35	42	43	77	64	84	51	58	44	43	36	37	34	37
8	Gainesville	12	15	45	43	48	47	42	32	39	39	34	30	29	30	31
9	Orlando	94	116	124	136	165	178	190	179	145	128	124	120	137	181	203
10	Lakeland	33	30	43	46	75	53	41	40	35	42	29	27	37	33	33
11	Miami	149	151	189	160	162	182	281	201	155	198	184	198	226	234	289
12	Sarasota	39	46	83	69	83	106	105	75	59	57	54	60	60	84	134
13	Tampa	56	79	81	108	115	130	158	146	54	83	96	59	74	65	84
14	Panama City	20	24	31	22	24	32	31	17	20	9	9	10	11	13	15
15	West Palm Beach	125	113	147	151	197	191	168	143	126	106	182	87	105	143	173
16	Florida Keys	14	16	11	10	18	16	27	15	14	11	7	13	4	6	13
17	Ft. Lauderdale	94	121	138	120	136	150	157	146	135	127	115	129	102	99	152
18	Melbourne	35	48	66	62	84	80	62	68	59	49	38	52	53	60	86
19	Ft. Pierce	39	33	33	43	58	45	46	47	35	20	40	24	34	50	49
20	Naples	17	23	15	21	24	34	29	15	21	13	23	16	10	29	23
21	Ft. Myers	27	55	68	84	78	96	79	67	48	53	73	56	51	63	71
22	Port Charlotte	6	5	3	10	14	14	19	14	9	5	7	9	2	10	12
23	St. Augustine	7	23	24	20	24	17	33	27	19	23	15	11	11	1	9
24	Sanford	15	13	13	11	22	20	35	26	32	24	20	19	14	24	16
<b>Statewide Total</b>		<b>1,105</b>	<b>1,307</b>	<b>1,614</b>	<b>1,702</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>1,444</b>	<b>1,318</b>	<b>1,337</b>	<b>1,508</b>	<b>1,834</b>

# Historical Overview of Cocaine Occurrences (Present and Cause) 2001 to 2015



## Heroin Deaths

January – December 2015

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
<b>Statewide Totals</b>	

Total Deaths with Heroin		
Total	Cause	Present
28	26	2
0	0	0
1	1	0
45	40	5
8	8	0
14	13	1
20	19	1
3	3	0
108	105	3
10	10	0
92	83	9
68	61	7
35	33	2
4	4	0
165	158	7
1	1	0
80	76	4
12	11	1
8	8	0
11	11	0
43	40	3
2	2	0
2	2	0
19	18	1
<b>779</b>	<b>733</b>	<b>46</b>

Deaths with Heroin Only		
Total	Cause	Present
0	0	0
0	0	0
0	0	0
2	2	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
1	1	0
0	0	0
0	0	0
0	0	0
16	16	0
0	0	0
8	8	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
<b>27</b>	<b>27</b>	<b>0</b>

Deaths with Heroin in Combination with Other Drugs		
Total	Cause	Present
28	26	2
0	0	0
1	1	0
43	38	5
8	8	0
14	13	1
20	19	1
3	3	0
108	105	3
10	10	0
91	82	9
68	61	7
35	33	2
4	4	0
149	142	7
1	1	0
72	68	4
12	11	1
8	8	0
11	11	0
43	40	3
2	2	0
2	2	0
19	18	1
<b>752</b>	<b>706</b>	<b>46</b>

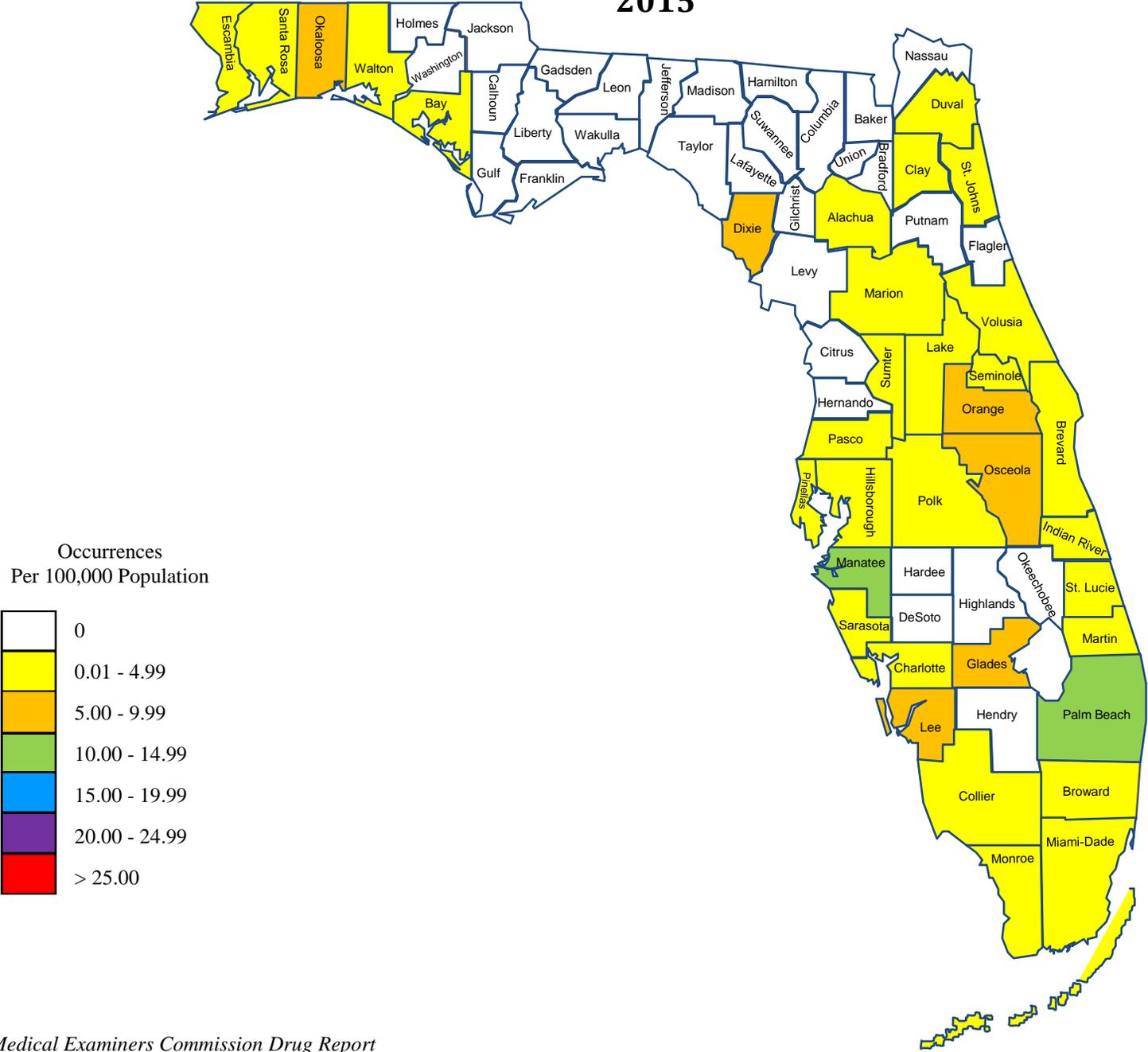
## Heroin Deaths by Age January – December 2015

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	28
2	Tallahassee	0
3	Live Oak	1
4	Jacksonville	45
5	Leesburg	8
6	St. Petersburg	14
7	Daytona Beach	20
8	Gainesville	3
9	Orlando	108
10	Lakeland	10
11	Miami	92
12	Sarasota	68
13	Tampa	35
14	Panama City	4
15	West Palm Beach	165
16	Florida Keys	1
17	Ft. Lauderdale	80
18	Melbourne	12
19	Ft. Pierce	8
20	Naples	11
21	Ft. Myers	43
22	Port Charlotte	2
23	St. Augustine	2
24	Sanford	19
<b>Statewide Totals</b>		<b>779</b>

Heroin Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
26	0	2	12	8	4
0	0	0	0	0	0
1	0	0	0	0	1
40	0	7	12	19	2
8	0	0	3	3	2
13	0	1	5	4	3
19	0	2	7	5	5
3	0	1	2	0	0
105	1	9	31	48	16
10	0	1	3	5	1
83	1	12	28	33	9
61	0	13	25	18	5
33	0	4	10	13	6
4	0	0	2	0	2
158	0	35	54	51	18
1	0	0	1	0	0
76	0	17	15	31	13
11	0	1	3	5	2
8	0	1	5	2	0
11	0	2	6	3	0
40	1	6	12	8	13
2	0	0	1	1	0
2	0	1	0	0	1
18	0	4	6	8	0
<b>733</b>	<b>3</b>	<b>119</b>	<b>243</b>	<b>265</b>	<b>103</b>

Heroin Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
2	0	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
5	0	1	2	1	1
0	0	0	0	0	0
1	0	0	0	0	1
1	0	0	1	0	0
0	0	0	0	0	0
3	0	0	1	2	0
0	0	0	0	0	0
9	0	0	0	5	4
7	0	3	1	3	0
2	0	0	0	1	1
0	0	0	0	0	0
7	0	3	1	3	0
0	0	0	0	0	0
4	0	0	2	1	1
1	0	0	0	1	0
0	0	0	0	0	0
0	0	0	0	0	0
3	0	0	1	1	1
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	1	0	0
<b>46</b>	<b>0</b>	<b>7</b>	<b>11</b>	<b>18</b>	<b>10</b>

# Heroin Deaths by County 2015



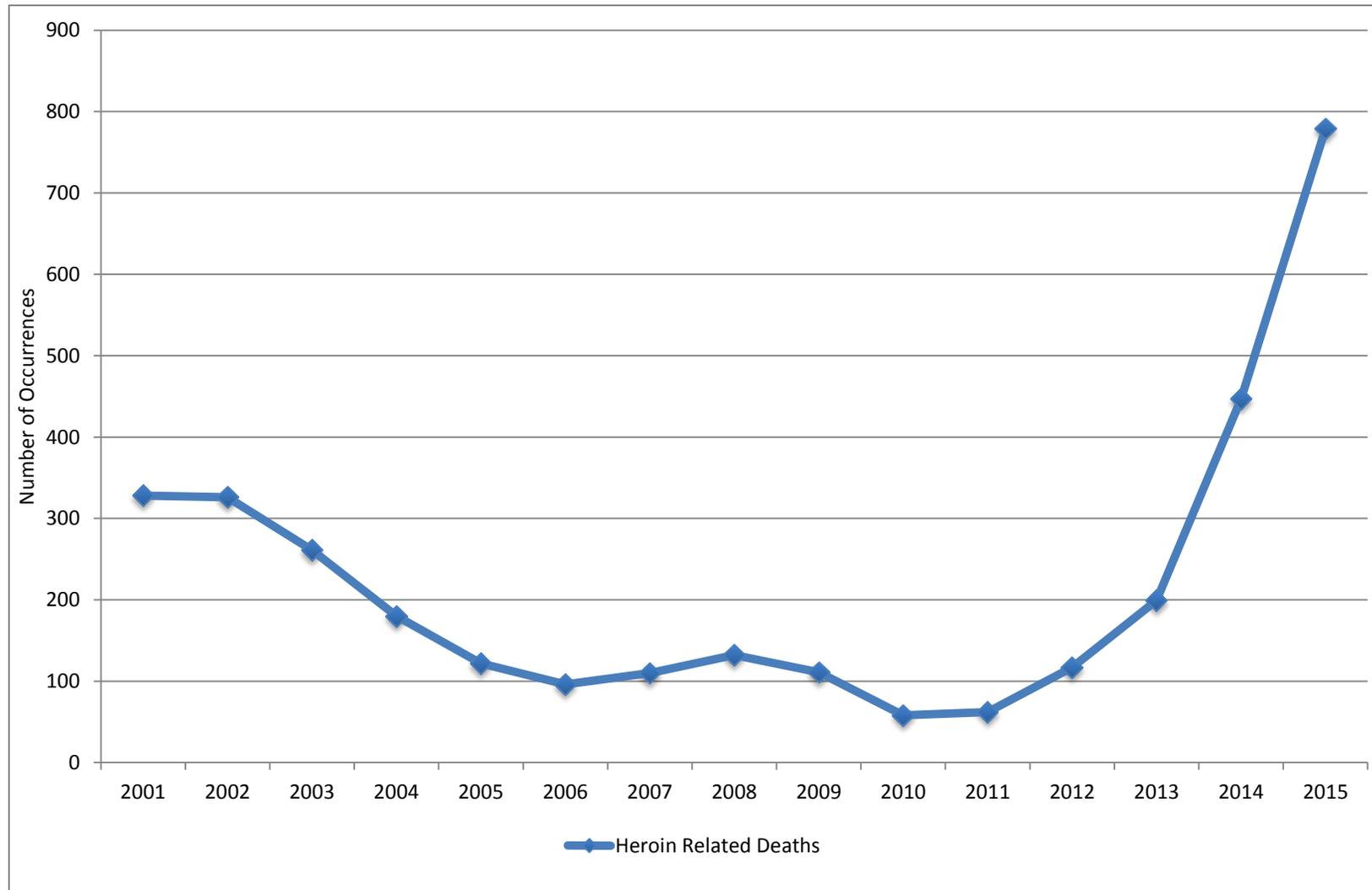
**Heroin Related Deaths by Medical Examiner District<sup>1</sup>**  
 (Present and Cause)  
 2001 to 2015

District	Area of Florida	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Pensacola	1	0	0	0	0	1	0	1	2	0	0	1	3	12	28
2	Tallahassee	1	0	1	0	0	0	0	0	0	0	1	0	1	2	0
3	Live Oak	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Jacksonville	13	17	7	5	5	4	8	3	4	1	3	14	15	16	45
5	Leesburg	1	5	2	1	0	0	0	5	1	0	1	3	2	16	8
6	St. Petersburg	32	33	23	14	13	7	12	5	9	3	1	1	4	7	14
7	Daytona Beach	2	5	6	4	2	1	2	0	3	1	0	1	3	4	20
8	Gainesville	0	0	0	0	0	0	0	0	0	0	0	2	1	2	3
9	Orlando	47	33	38	22	15	7	16	16	24	10	18	26	41	83	108
10	Lakeland	1	2	0	3	2	2	0	0	2	1	0	1	4	7	10
11	Miami	39	46	32	18	22	20	26	38	30	26	15	33	40	60	92
12	Sarasota	5	5	20	15	9	14	4	19	4	2	2	8	19	55	68
13	Tampa	34	34	19	14	6	7	11	5	2	1	2	2	3	22	35
14	Panama City	0	0	0	0	0	0	1	0	0	1	0	0	2	2	4
15	West Palm Beach	68	41	28	29	19	8	10	7	7	4	12	6	20	51	165
16	Florida Keys	4	5	0	1	0	1	0	1	1	0	0	1	1	0	1
17	Ft. Lauderdale	53	50	49	35	17	13	4	17	8	5	3	9	11	28	80
18	Melbourne	6	9	10	3	2	1	1	1	2	0	0	0	2	7	12
19	Ft. Pierce	3	4	3	3	1	3	3	3	1	1	1	2	3	7	8
20	Naples	7	17	3	4	1	4	1	1	0	0	0	0	2	14	11
21	Ft. Myers	5	11	13	4	1	2	4	7	9	0	1	4	12	30	43
22	Port Charlotte	0	5	0	1	3	1	0	0	1	0	0	1	1	3	2
23	St. Augustine	0	1	0	0	0	0	0	0	0	1	0	1	1	1	2
24	Sanford	6	3	7	4	4	0	7	3	1	1	2	1	7	18	19
<b>Statewide Totals</b>		<b>328</b>	<b>326</b>	<b>261</b>	<b>180</b>	<b>122</b>	<b>96</b>	<b>110</b>	<b>132</b>	<b>111</b>	<b>58</b>	<b>62</b>	<b>117</b>	<b>199</b>	<b>447</b>	<b>779</b>

<sup>1</sup>Prior to 2013, only deaths caused by heroin were provided in this chart. The chart has been updated to reflect deaths in which heroin was the cause of death or merely present at the time of death.

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

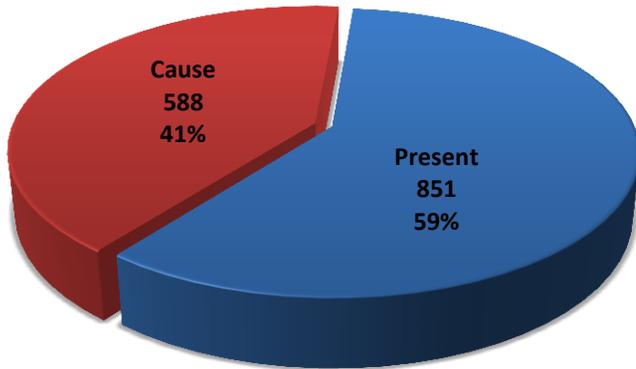
(Present and Cause)  
2001 to 2015



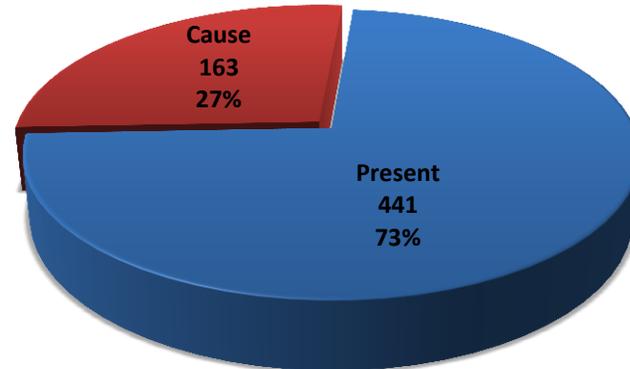
<sup>1</sup>Prior to 2013, only deaths caused by heroin were provided in this graph. The graph has been updated to reflect deaths in which heroin was the cause of death or merely present at the time of death.

## Drug Detected at Death: Cause vs. Present

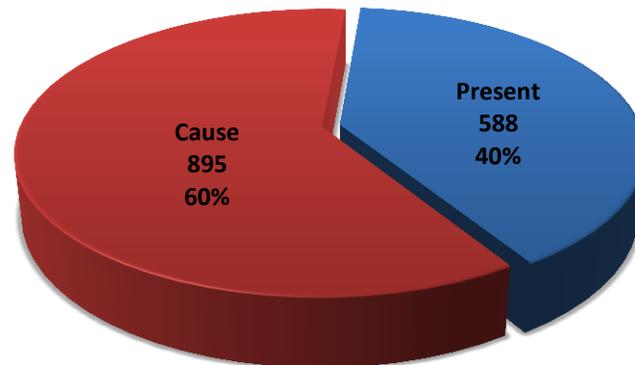
**Alprazolam Deaths**  
Total Occurrences = 1,439



**Diazepam Deaths**  
Total Occurrences = 604

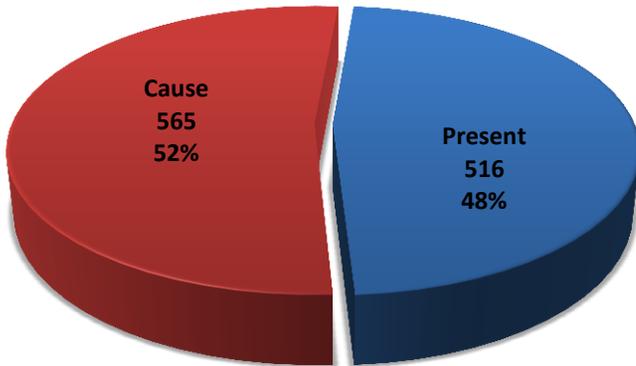


**Morphine Deaths**  
Total Occurrences = 1,483

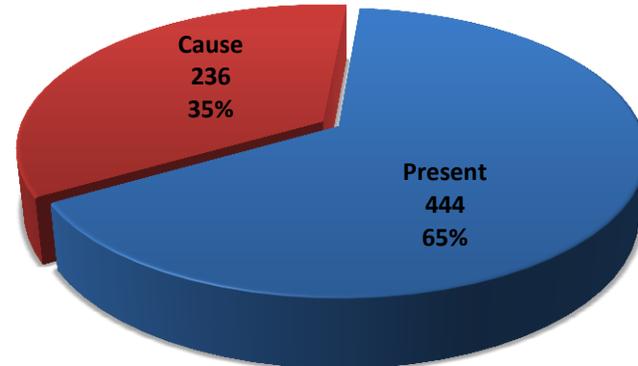


## Drug Detected at Death: Cause vs. Present

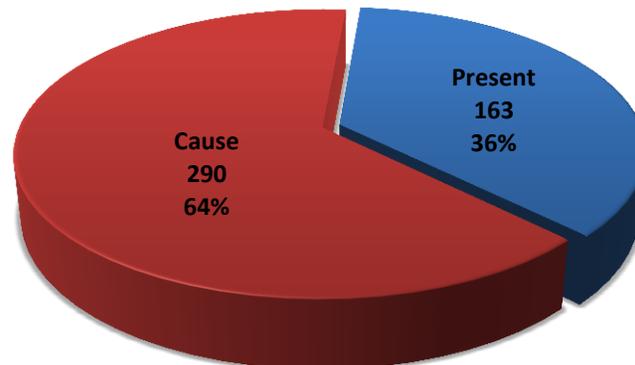
**Oxycodone Deaths**  
Total Occurrences = 1,081



**Hydrocodone Deaths**  
Total Occurrences = 680

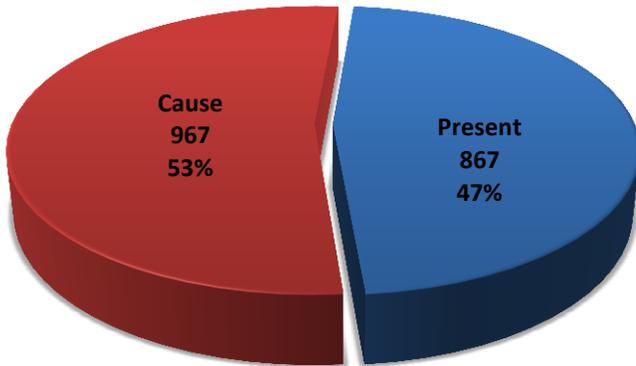


**Methadone Deaths**  
Total Occurrences = 453

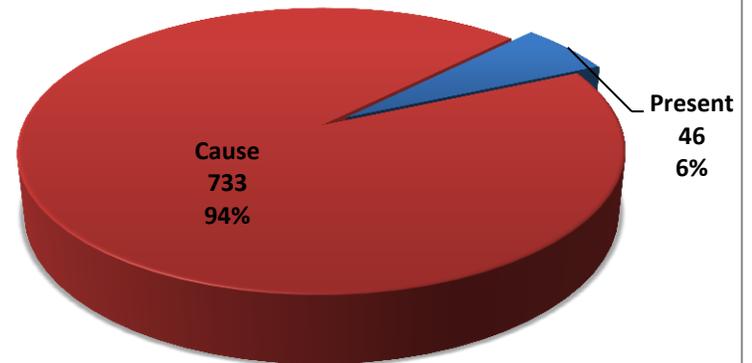


## Drug Detected at Death: Cause vs. Present

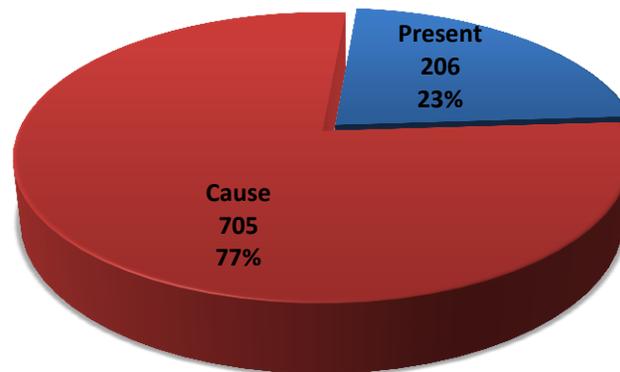
**Cocaine Deaths**  
Total Occurrences = 1,834



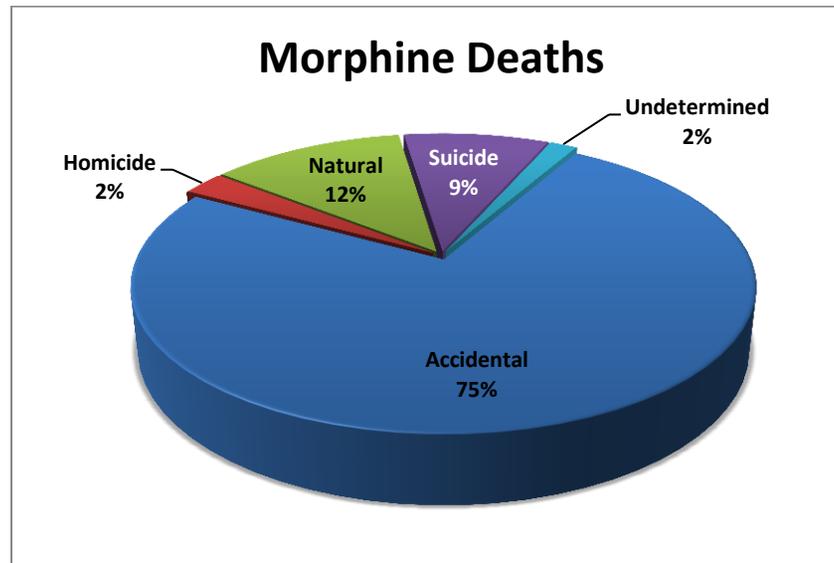
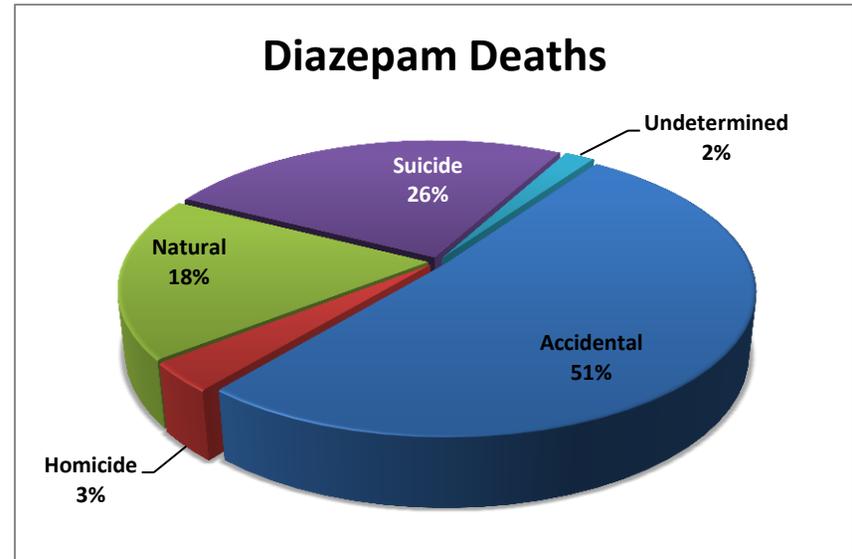
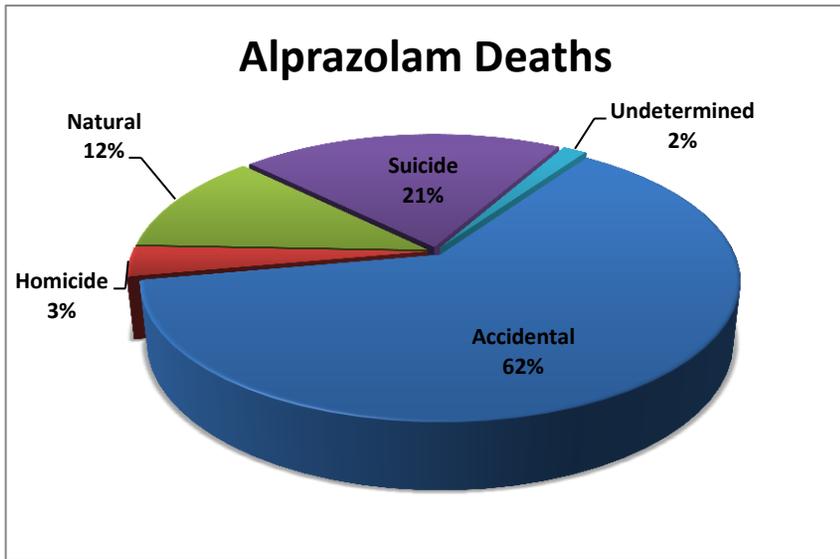
**Heroin Deaths**  
Total Occurrences = 779



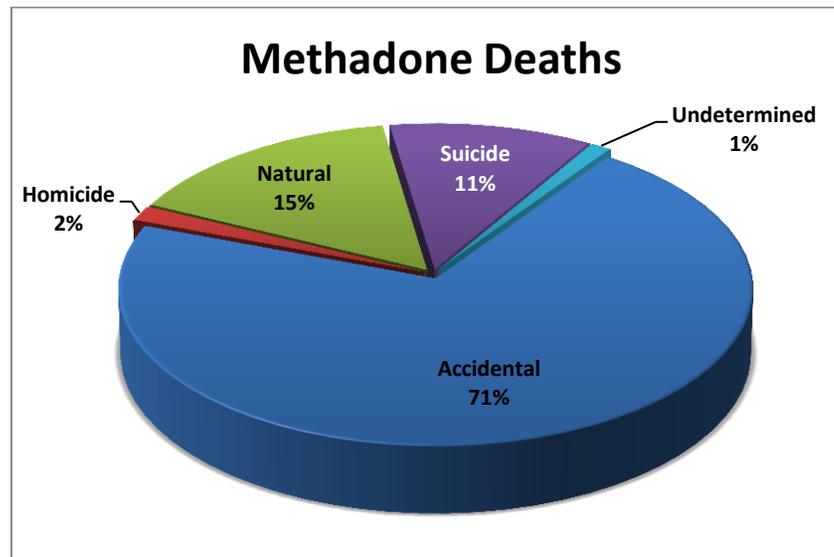
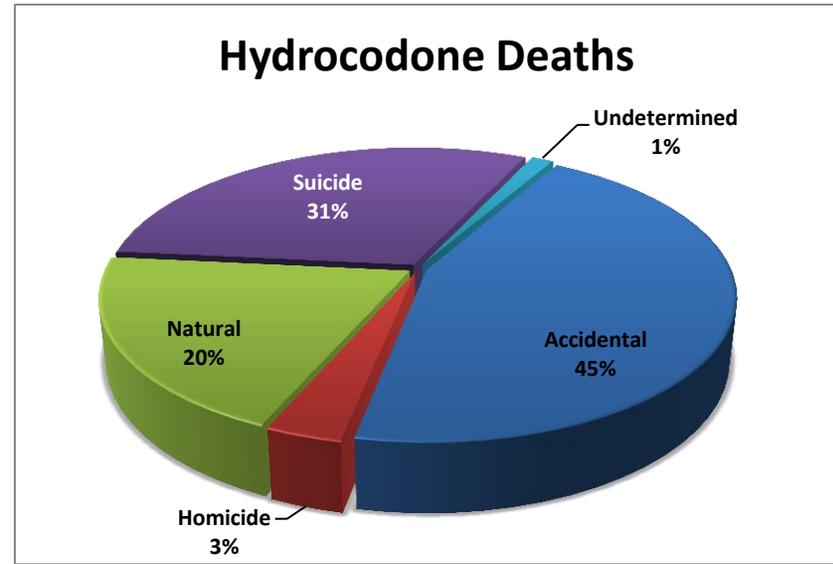
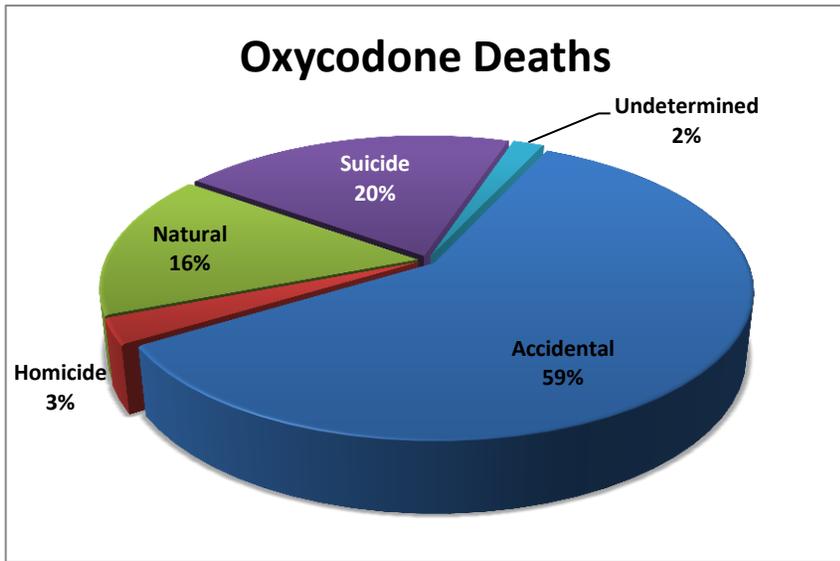
**Fentanyl Deaths**  
Total Occurrences = 911



## Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide, or Undetermined)

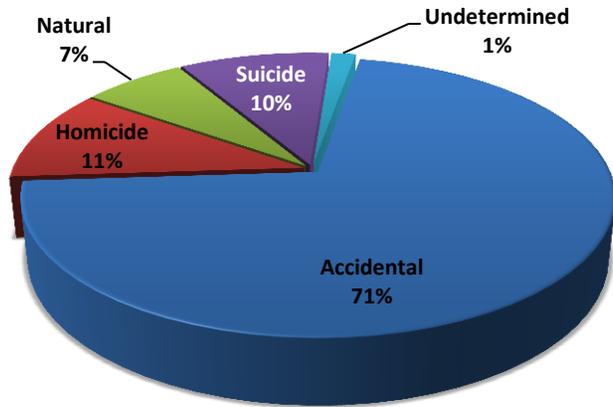


## Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide, or Undetermined)

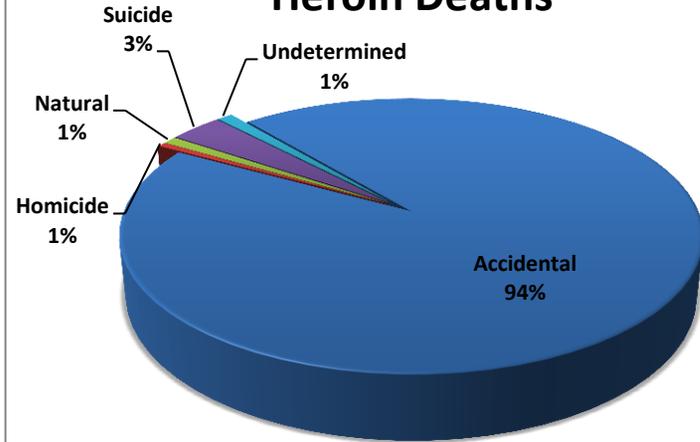


## Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide, or Undetermined)

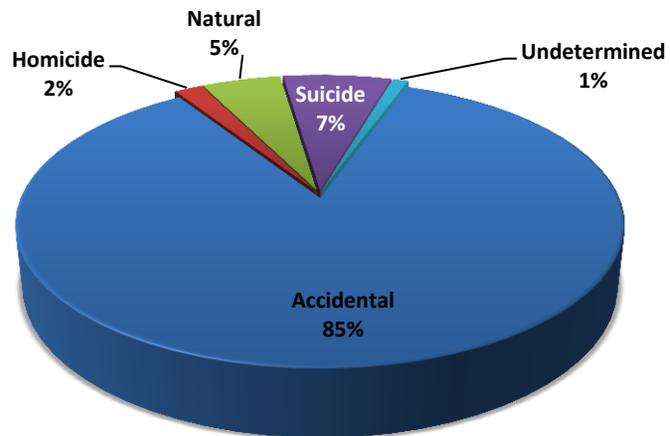
### Cocaine Deaths



### Heroin Deaths



### Fentanyl Deaths



## Glossary

**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 the amphetamine family of drugs, which includes amphetamine, methamphetamine, and MDMA (ecstasy). It often goes by the street name of “Molly.”

**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 many fentanyl occurrences represent the ingestion of illicit fentanyl rather than pharmaceutically-manufactured fentanyl.

## Glossary (Continued)

**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 “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, such as Freon, and similar halogenated substances 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.

**Methadone** – A synthetic narcotic analgesic (pain killer) commonly associated with heroin detoxification and maintenance programs but it 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.

## Glossary (Continued)

**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," this 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.

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

**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."

**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.

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