

# Drugs Identified in Deceased Persons by Florida Medical Examiners

## 2011 Report



# Data Collection

The Office of Vital Statistics reported more than 172,000 deaths occurred in Florida during 2011. Of these, the medical examiners reported on 9,135 drug-related deaths (whether the drug was the cause of death or was merely present) through toxicology reports submitted to the Medical Examiners Commission. In order for a death to be considered “drug-related”, at least one drug identified must be in the decedent; each identified drug is a drug occurrence. The vast majority of these 9,135 decedents (cases) had more than one drug occurrence.

The state’s medical examiners were asked to distinguish between whether the drugs were the “cause” of death or merely “present” in the body at the time of death. A drug is only indicated as the cause of death when, after examining all evidence and 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.

Although a medical examiner may determine a drug is present or detected in the decedent, the drug may not have played a causal role in the death. A decedent may have multiple drugs listed as present, and because decedents often have multiple drugs listed as cause and/or present, drug occurrence data found within this report should not be aggregated.

Although there were deaths involving other drugs in Florida, data was collected on the following drugs for this report:

- ✓ benzodiazepines (alprazolam, alpha-hydroxyalprazolam, alonazepam, 7-aminoclonazepam, chlordiazepoxide, desalkylflurazepam, diazepam, estazolam, flunitrazepam, flurazepam, lorazepam, midazolam, nordiazepam, oxazepam, temazepam, triazolam, alpha-hydroxytriazolam);
- ✓ cannabinoids;
- ✓ carisoprodol/meprobamate;
- ✓ cocaine;
- ✓ ethyl alcohol;
- ✓ gamma-hydroxybutyric acid (GHB);
- ✓ inhalants (chlorodifluoromethane, difluoroethane, Freon, helium, nitrous oxide, toluene);
- ✓ ketamine;
- ✓ methylated amphetamines (amphetamines, methamphetamine, MDMA, MDA, MDEA, phentermine);
- ✓ opioids (buprenorphine, codeine, fentanyl, heroin, hydrocodone, hydromorphone, meperidine, methadone, morphine, oxycodone, oxymorphone, propoxyphene, Tramadol);
- ✓ phencyclidine (PCP); and
- ✓ zolpidem.

Questions regarding this report can be directed to Medical Examiners Commission Chairman Bruce A. Hyma, M.D.

# Report Summary

Some general statewide trends for 2011 are listed below:

- ✓ The four most frequently occurring drugs found in decedents were ethyl alcohol (4,252), all benzodiazepines (5,947, including 1,879 alprazolam occurrences), oxycodone (2,128), and cocaine (1,444).
- ✓ The drugs that caused the most deaths were all benzodiazepines (1,950, including 947 deaths caused by alprazolam), oxycodone (1,247), methadone (691), cocaine (604), ethyl alcohol (590), morphine (345), hydrocodone (307), and diazepam (306).
- ✓ The five most harmful drugs, found in more than 50 percent of the deaths in which these drugs were found, were heroin (91.9 percent), methadone (72.4 percent), oxycodone (58.6 percent), fentanyl (54.7 percent) and alprazolam (50.4 percent). Occurrences of heroin have increased by 6.9 percent and deaths caused by heroin also increased by 18.8 percent when compared with 2010.
- ✓ While more than 50 percent of the deaths from all tracked inhalants were caused by the drug, the number of occurrences is small for each drug. The majority of inhalant deaths were caused by difluoroethane.
- ✓ The prescription drugs (benzodiazepines, carisoprodol/meprobamate, zolpidem, and all opioids excluding heroin) tracked through this report continued to be found more often than illicit drugs, both as the cause of death and present at death. Prescription drugs account for 86.5 percent of all drug occurrences in this report when ethyl alcohol is excluded.
- ✓ Occurrences of methadone increased 1.5 percent while hydrocodone declined by 8.5 percent when compared with 2010. Also, deaths caused by methadone (3 less than 2010) decreased this year. Deaths caused by hydrocodone (8 less than 2010) decreased this year.
- ✓ Oxycodone occurrences decreased by 10.7 percent and deaths caused by oxycodone decreased by 17.7 percent when compared with 2010.
- ✓ Cocaine occurrences increased by 3.0 percent, and deaths caused by cocaine increased by 7.7 percent when compared with 2010.
- ✓ Occurrences of fentanyl increased (4.0 percent), and deaths caused by fentanyl increased by 13.2 percent when compared with 2010.
- ✓ Alprazolam (Xanax), diazepam (Valium), and nordiazepam dominate the category of benzodiazepines; while occurrences of alprazolam decreased by 14.3 percent, and diazepam decreased by 1.7 percent, nordiazepam increased by 9.3 percent when compared to 2010. Alprazolam, diazepam and nordiazepam are rarely the sole cause of death, but are common as contributing to the cause of multi-drug deaths.
- ✓ 5,489 (2.8 percent less than 2010) individuals died with one or more prescription drugs in their system. The drugs were identified as both the cause of death and present in the decedent. These drugs may have also been mixed with illicit drugs and alcohol.
- ✓ 2,539 (6.37 percent less than 2010) 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.

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## 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 \*4

Madison \*2

Suwannee \*4

### 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  
Osceola

### 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

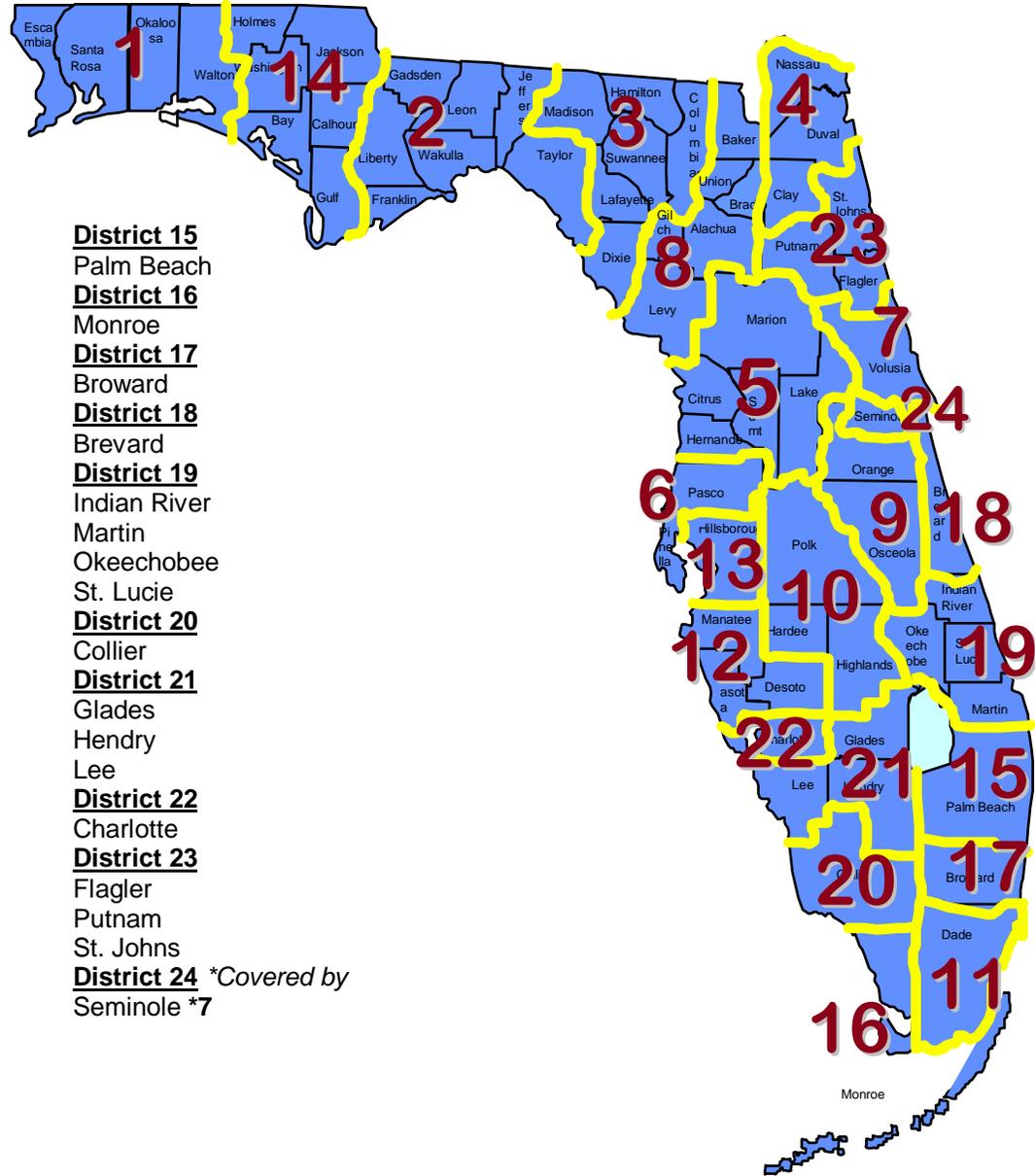
Flagler

Putnam

St. Johns

### District 24 \*Covered by

Seminole \*7



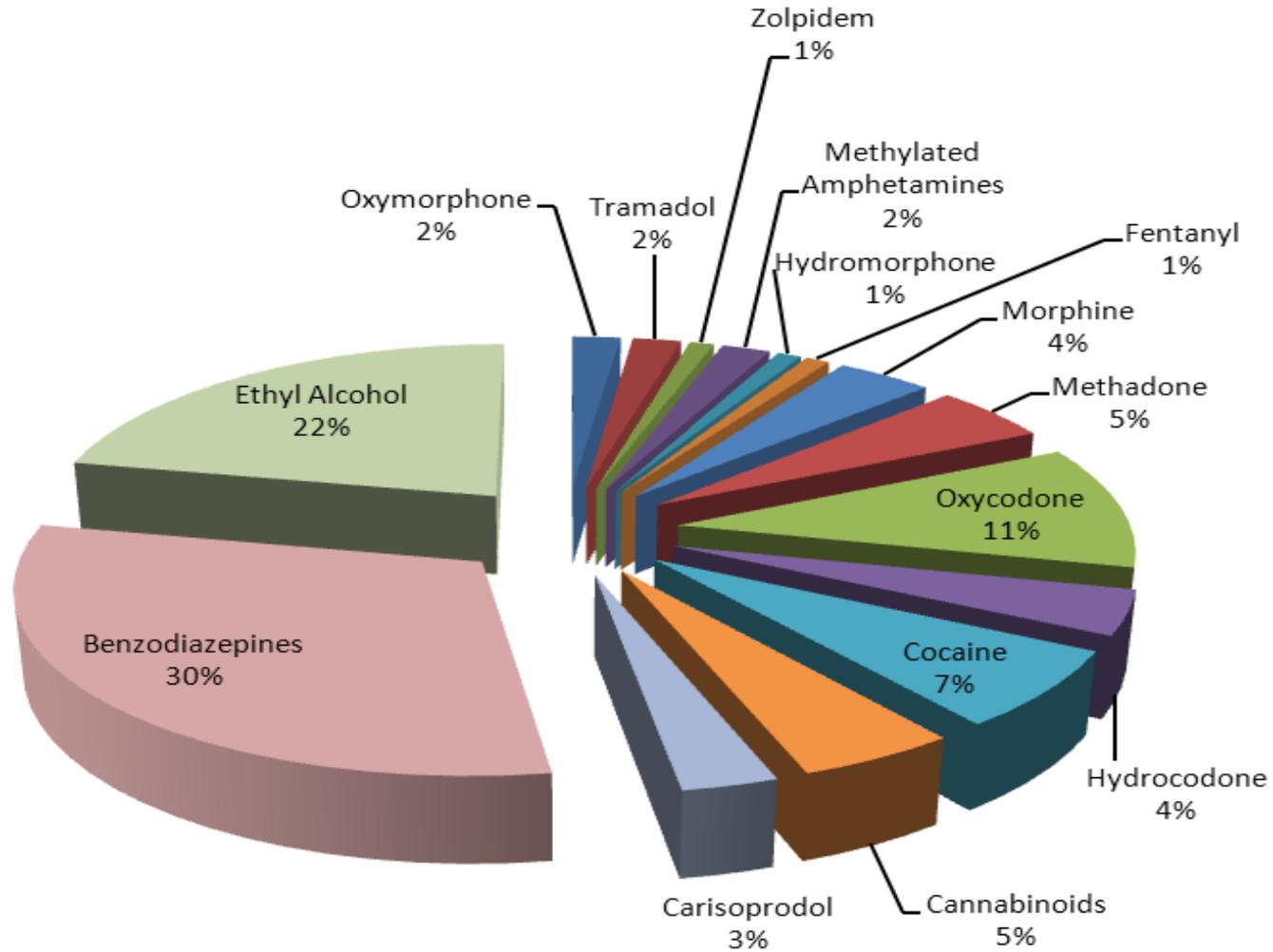
## Summary of Drug-Related Deaths 2011

Drug Found in Body		Total Occurrences	Cause	Present
	Ethanol	4252	590	3662
Amphetamines	Amphetamine	198	37	161
	Methamphetamine	115	49	66
	MDMA	19	6	13
	MDA	7	1	6
	MDEA	1	0	1
	Phentermine	12	3	9
	Benzodiazepines	Alprazolam	1879	947
Alpha-hydroxyalprazolam		314	70	244
Clonazepam		135	41	94
7-Aminoclonazepam		278	39	239
Chlordiazepoxide		64	12	52
Desalkylflurazepam		13	5	8
Diazepam		891	306	585
Estazolam		0	0	0
Flunitrazepam		0	0	0
Flurazepam		12	5	7
Lorazepam		197	37	160
Midazolam		118	2	116
Nordiazepam		905	226	679
Oxazepam		486	90	396
Temazepam		645	166	479
Triazolam		4	2	2
Alpha-hydroxytriazolam	6	2	4	

## Summary of Drug-Related Deaths (continued)

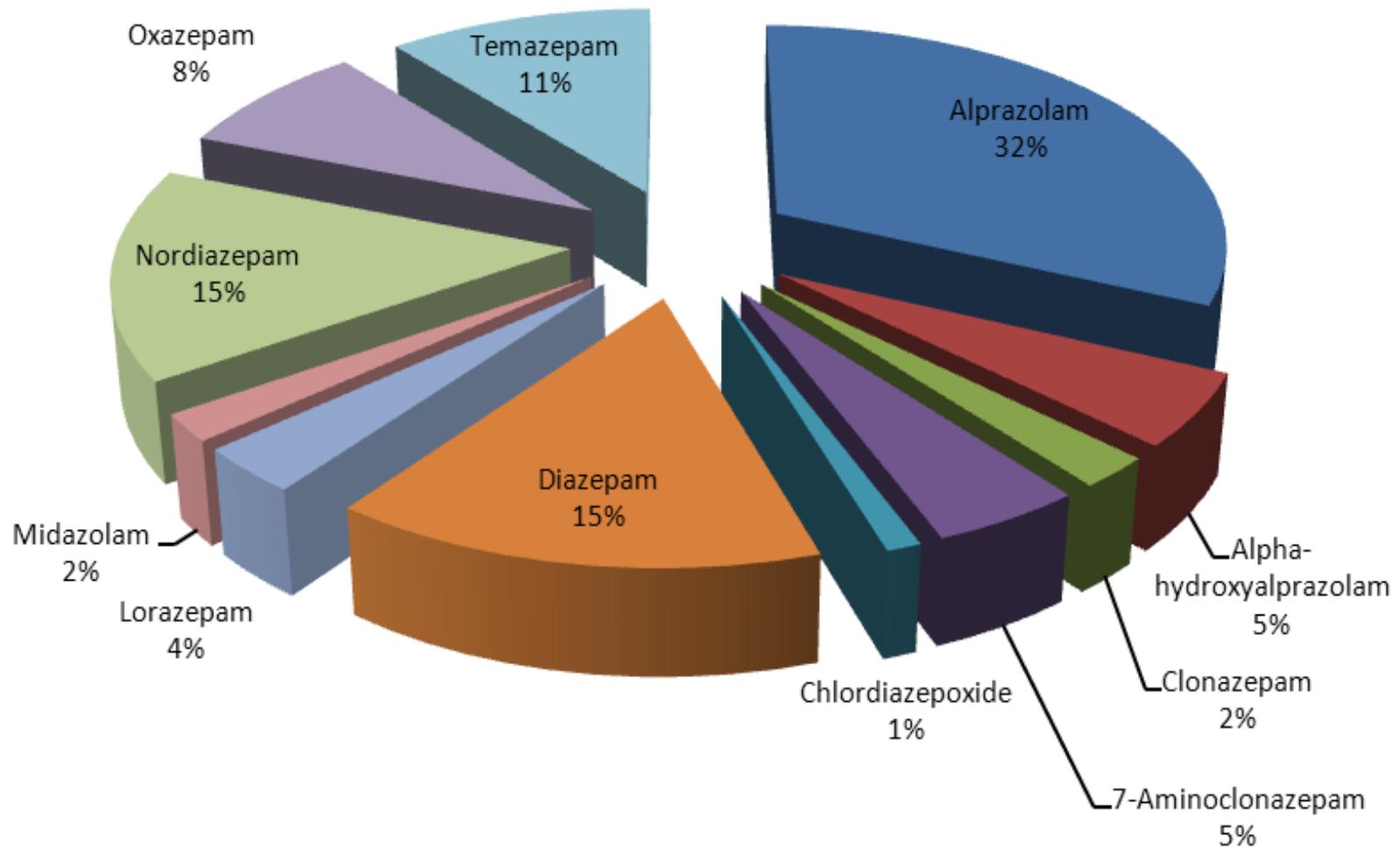
	Drug Found in Body	Total Occurrences	Cause	Present
<b>Inhalants</b>	Chlorodifluoromethane	0	0	0
	Difluoroethane	33	29	4
	Freon	2	2	0
	Helium	9	9	0
	Nitrous Oxide	2	2	0
	Toluene	0	0	0
<b>Opioids</b>	Buprenorphine	27	12	15
	Codeine	208	58	150
	Fentanyl	236	129	107
	Heroin	62	57	5
	Hydrocodone	877	307	570
	Hydromorphone	253	99	154
	Meperidine	11	3	8
	Methadone	954	691	263
	Morphine	747	345	402
	Oxycodone	2128	1247	881
	Oxymorphone	481	141	340
	Propoxyphene	32	10	22
	Tramadol	379	83	296
<b>Other</b>	Cannabinoids	894	0	894
	Carisoprodol/Meprobamate	478	153	325
	Cocaine	1444	604	840
	GHB	9	1	8
	Ketamine	5	0	5
	Phencyclidine (PCP)	1	1	0
	Zolpidem	285	73	212

## Frequency of Occurrence of Drugs in Decedents January – December 2011



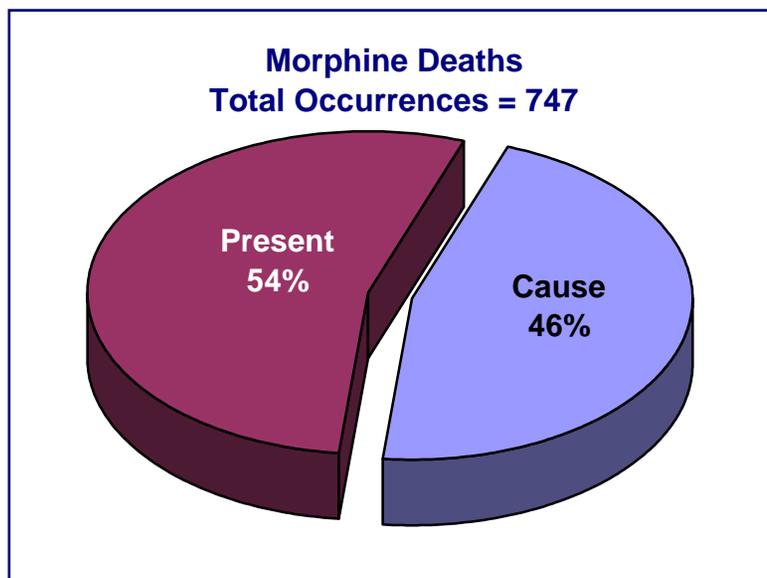
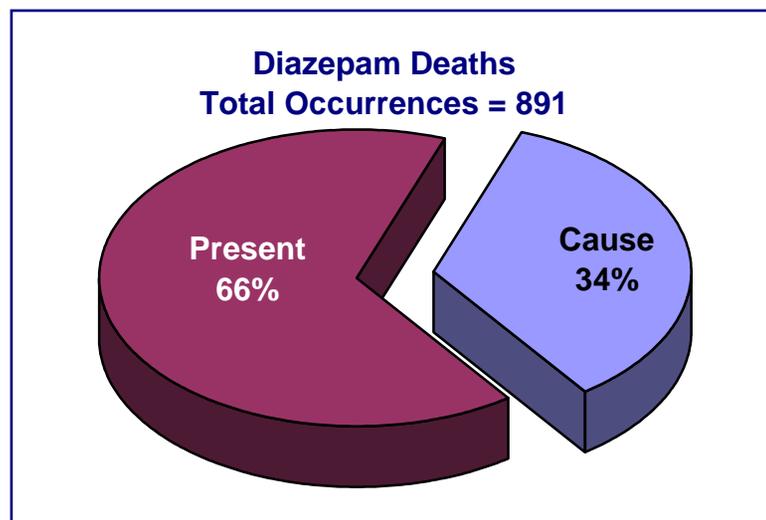
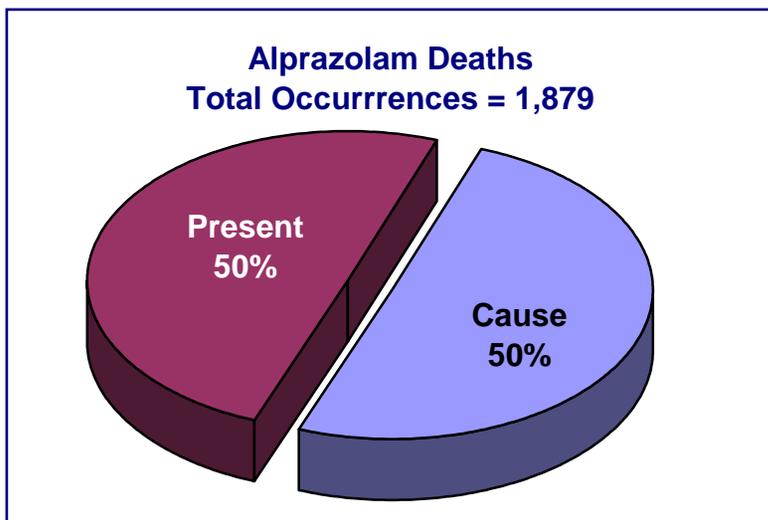
*Note: Codeine, heroin, GHB, ketamine, Freon, meperidine, and all inhalants constituted less than 1 percent of the drug frequencies.*

## Frequency of Occurrence of Benzodiazepines January – December 2011

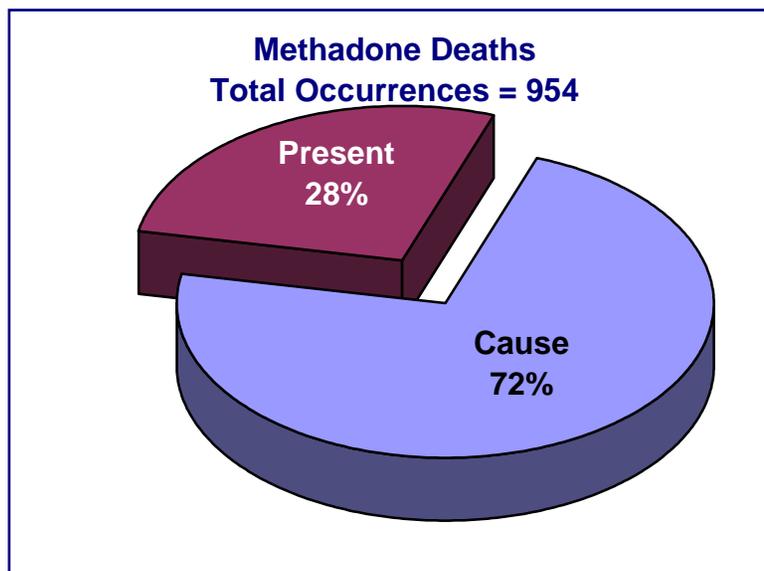
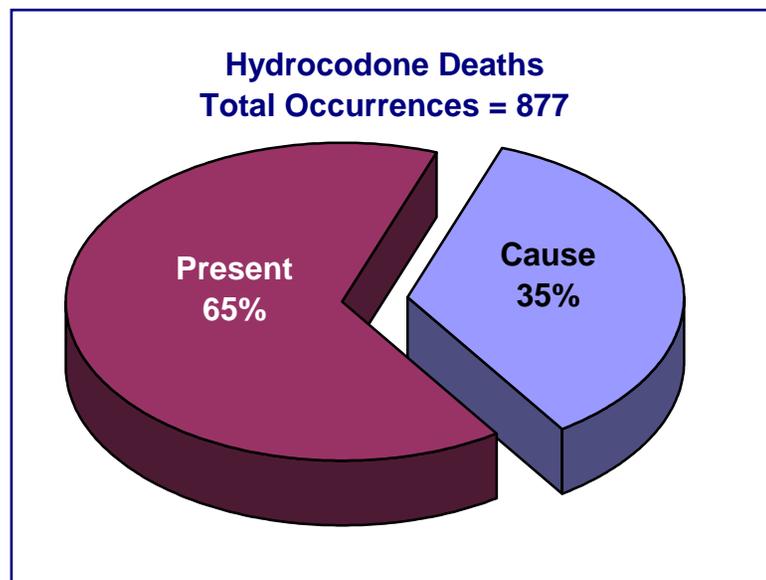
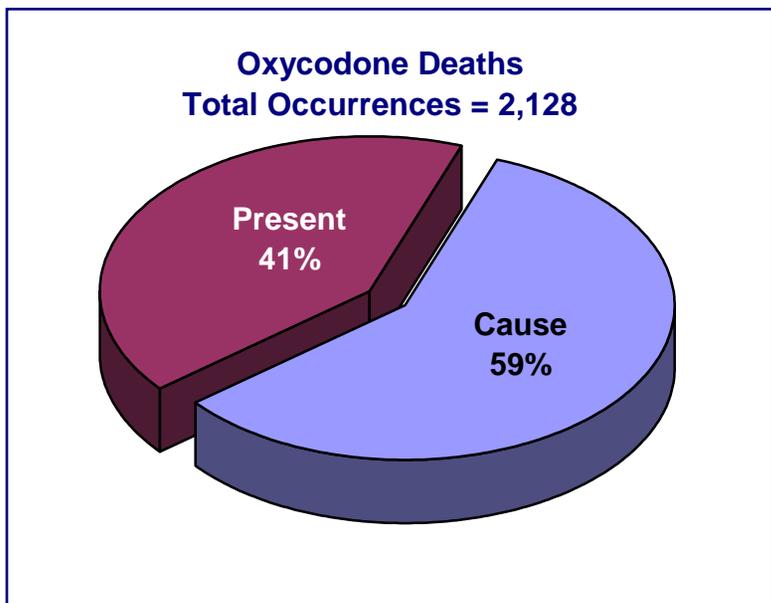


Note: Desalkylflurazepam, estazolam, flunitrazepam, flurazepam, triazolam, and alpha-hydroxytriazolam constituted less than 1 percent of the drug frequencies.

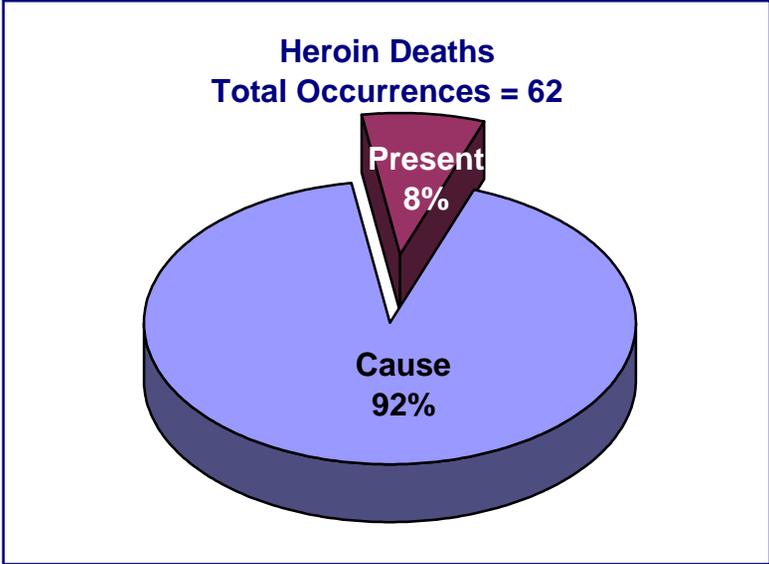
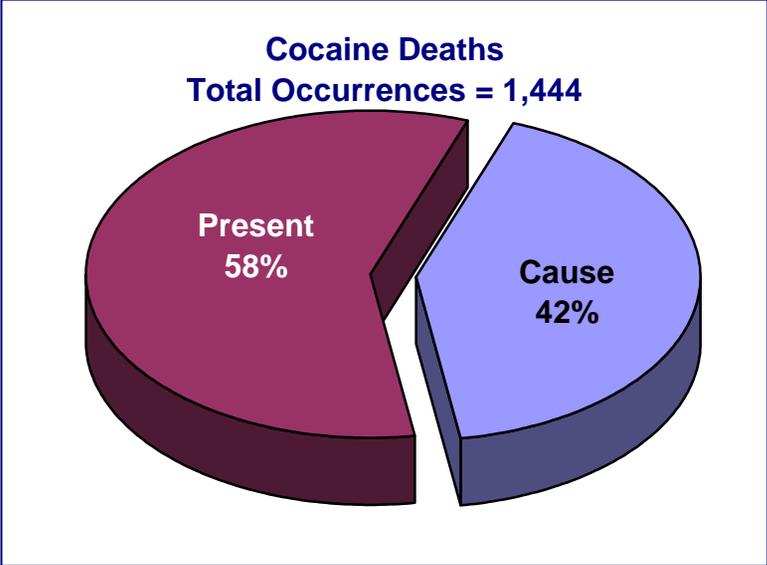
## Drug Detected at Death: Cause vs. Present



## Drug Detected at Death: Cause vs. Present



# Drug Detected at Death: Cause vs. Present



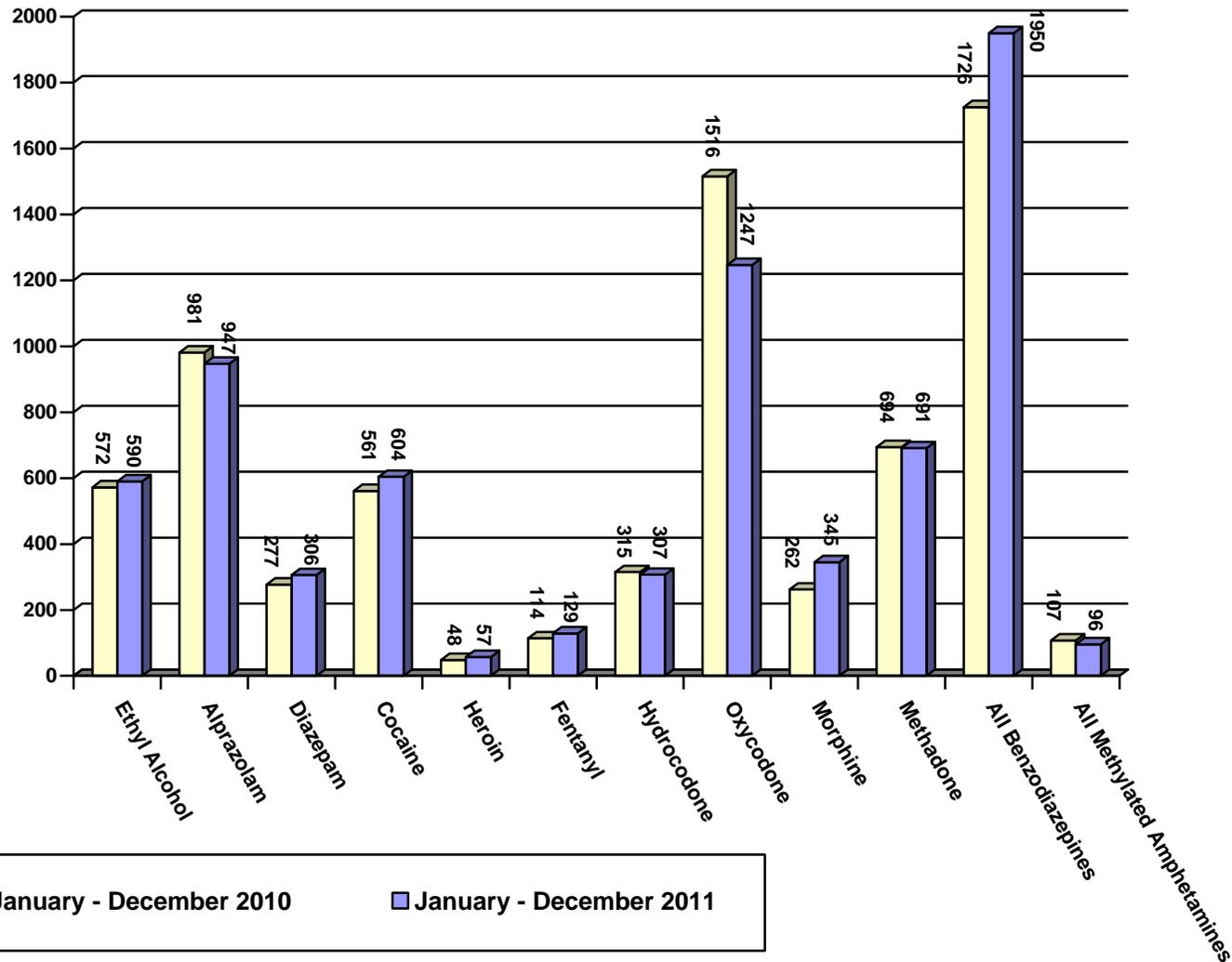
## Comparison of Drug-Related Deaths 2010 vs. 2011

Drug Found in Body		2010	2011	percentage Change
	Ethanol	3,992	4252	6.5 percent
<b>Amphetamines</b>	<b>All Methylated Amphetamine Occurrences</b>	431	352	-18.3 percent
	Amphetamine	176	198	12.5 percent
	Methamphetamine	132	115	-12.9 percent
	MDMA	67	19	-71.6 percent
	MDA	40	7	-82.5 percent
	MDEA	1	1	0 percent
	Phentermine	15	12	-20 percent
<b>Benzodiazepines</b>	<b>All Benzodiazepine Occurrences</b>	6188	5949	-3.9 percent
	Alprazolam	2192	1879	-14.3 percent
	Alpha-hydroxyalprazolam	258	314	21.7 percent
	Clonazepam	131	135	3.0 percent
	7-Aminoclonazepam	256	278	8.6 percent
	Chlordiazepoxide	86	64	-25.6 percent
	Desalkylflurazepam	5	13	160.0 percent
	Diazepam	906	891	-1.7 percent
	Estazolam	1	0	-100 percent
	Flunitrazepam	0	0	0 percent
	Flurazepam	8	12	50 percent
	Lorazepam	224	197	-12.1 percent
	Midazolam	113	118	4.4 percent
	Nordiazepam	828	905	9.3 percent
	Oxazepam	472	486	3.0 percent
	Temazepam	699	645	-7.7 percent
	Triazolam	3	4	33.3 percent
Alpha-hydroxytriazolam	5	6	20 percent	

## Comparison of Drug-Related Deaths (continued)

	Drug Found in Body	2010	2011	percentage Change
<b>Inhalants</b>	Chlorodifluoromethane	3	0	-100 percent
	Difluoroethane	22	33	50.0 percent
	Freon	1	2	100 percent
	Helium	9	9	0 percent
	Nitrous Oxide	1	2	100 percent
	Toluene	2	0	-100 percent
<b>Opioids</b>	Buprenorphine	16	27	68.8 percent
	Codeine	159	208	30.8 percent
	Fentanyl	227	236	4.0 percent
	Heroin	58	62	6.9 percent
	Hydrocodone	958	877	-8.5 percent
	Hydromorphone	213	253	18.8 percent
	Meperidine	20	11	-45 percent
	Methadone	940	954	1.5 percent
	Morphine	641	747	16.5 percent
	Oxycodone	2,384	2128	-10.7 percent
	Oxymorphone	493	481	-2.4 percent
	Propoxyphene	224	32	-85.7 percent
	Tramadol	275	379	37.8 percent
<b>Other</b>	Cannabinoids	826	894	8.2 percent
	Carisoprodol/Meprobamate	513	478	-6.8 percent
	Cocaine	1,402	1444	3.0 percent
	GHB	8	9	12.5 percent
	Ketamine	2	5	150 percent
	Phencyclidine (PCP)	0	1	100 percent
	Zolpidem	240	285	18.8 percent

## Comparison of Drug Caused Deaths 2010 versus 2011



Note: Due to small number of occurrences, some drugs are not included in the above chart.

## Alprazolam Deaths January – December 2011

Medical Examiner District & 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 Bch
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
45	15	30
18	1	17
22	10	12
103	38	65
89	40	49
205	140	65
71	14	57
30	14	16
93	38	55
72	40	32
114	52	62
89	57	32
166	108	58
23	9	14
216	126	90
16	8	8
199	116	83
69	27	42
51	11	40
32	22	10
50	27	23
32	9	23
32	21	11
42	4	38
<b>1879</b>	<b>947</b>	<b>932</b>

Deaths with Alprazolam Only		
Total	Cause	Present
0	0	0
0	0	0
2	0	2
3	0	3
0	0	0
3	1	2
5	1	4
0	0	0
4	0	4
0	0	0
0	0	0
7	1	6
10	1	9
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
1	0	1
0	0	0
3	0	3
1	0	1
0	0	0
<b>39</b>	<b>4</b>	<b>35</b>

Deaths with Alprazolam in Combination with Other Drugs		
Total	Cause	Present
45	15	30
18	1	17
20	10	10
100	38	62
89	40	49
202	139	63
66	13	53
30	14	16
89	38	51
72	40	32
114	52	62
82	56	26
156	107	49
23	9	14
216	126	90
16	8	8
199	116	83
69	27	42
51	11	40
31	22	9
50	27	23
29	9	20
31	21	10
42	4	38
<b>1840</b>	<b>943</b>	<b>897</b>

## Alprazolam Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	45
2	Tallahassee	18
3	Live Oak	22
4	Jacksonville	103
5	Leesburg	89
6	St. Petersburg	205
7	Daytona Beach	71
8	Gainesville	30
9	Orlando	93
10	Lakeland	72
11	Miami	114
12	Sarasota	89
13	Tampa	166
14	Panama City	23
15	West Palm Bch	216
16	Florida Keys	16
17	Ft. Lauderdale	199
18	Melbourne	69
19	Ft. Pierce	51
20	Naples	32
21	Ft. Myers	50
22	Port Charlotte	32
23	St. Augustine	32
24	Sanford	42
<b>Statewide Totals</b>		<b>1879</b>

Deaths Caused by Alprazolam						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
15	0	0	3	7	5	
1	0	0	1	0	0	
10	0	0	3	5	2	
38	0	4	9	17	8	
40	0	4	7	14	15	
140	0	10	30	66	34	
14	0	0	6	3	5	
14	0	1	2	7	4	
38	1	4	12	15	6	
40	0	4	10	14	12	
52	2	5	8	24	13	
57	0	11	16	21	9	
108	0	9	33	43	23	
9	0	2	1	5	1	
126	0	22	30	38	36	
8	0	1	2	2	3	
116	0	7	20	52	37	
27	0	1	7	9	10	
11	0	1	4	3	3	
22	0	2	4	14	2	
27	0	4	10	11	2	
9	0	1	2	4	2	
21	0	3	7	10	1	
4	0	0	0	3	1	
<b>947</b>	<b>3</b>	<b>96</b>	<b>227</b>	<b>387</b>	<b>234</b>	

Alprazolam Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
30	0	6	9	10	5	
17	0	1	5	6	5	
12	1	1	2	4	4	
65	1	5	7	31	21	
49	0	4	11	15	19	
65	0	2	13	24	26	
57	1	6	15	27	8	
16	0	1	4	5	6	
55	0	5	13	21	16	
32	0	6	4	7	15	
62	2	5	7	13	35	
32	0	4	5	8	15	
58	1	5	6	20	26	
14	0	0	2	5	7	
90	0	10	12	38	30	
8	0	1	0	3	4	
83	0	4	7	29	43	
42	0	7	8	13	14	
40	0	3	6	16	15	
10	0	2	2	3	3	
23	0	1	2	9	11	
23	0	2	3	6	12	
11	0	0	3	7	1	
38	0	3	7	18	10	
<b>932</b>	<b>6</b>	<b>84</b>	<b>153</b>	<b>338</b>	<b>351</b>	





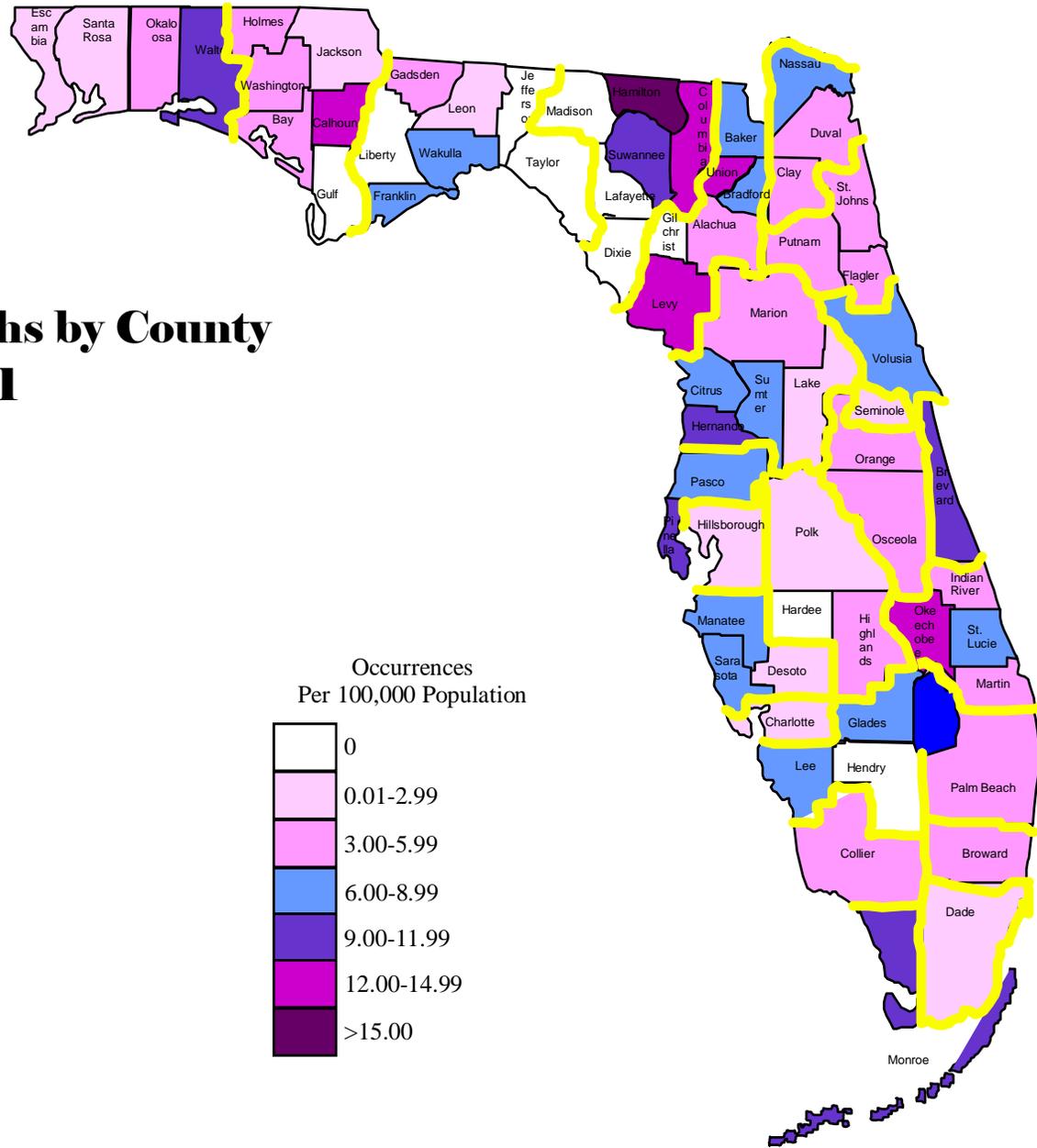
## Diazepam Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	15
2	Tallahassee	6
3	Live Oak	20
4	Jacksonville	66
5	Leesburg	42
6	St. Petersburg	146
7	Daytona Beach	24
8	Gainesville	12
9	Orlando	48
10	Lakeland	27
11	Miami	37
12	Sarasota	37
13	Tampa	32
14	Panama City	8
15	West Palm Bch	104
16	Florida Keys	11
17	Ft. Lauderdale	85
18	Melbourne	34
19	Ft. Pierce	44
20	Naples	15
21	Ft. Myers	41
22	Port Charlotte	3
23	St. Augustine	21
24	Sanford	13
<b>Statewide Totals</b>		<b>891</b>

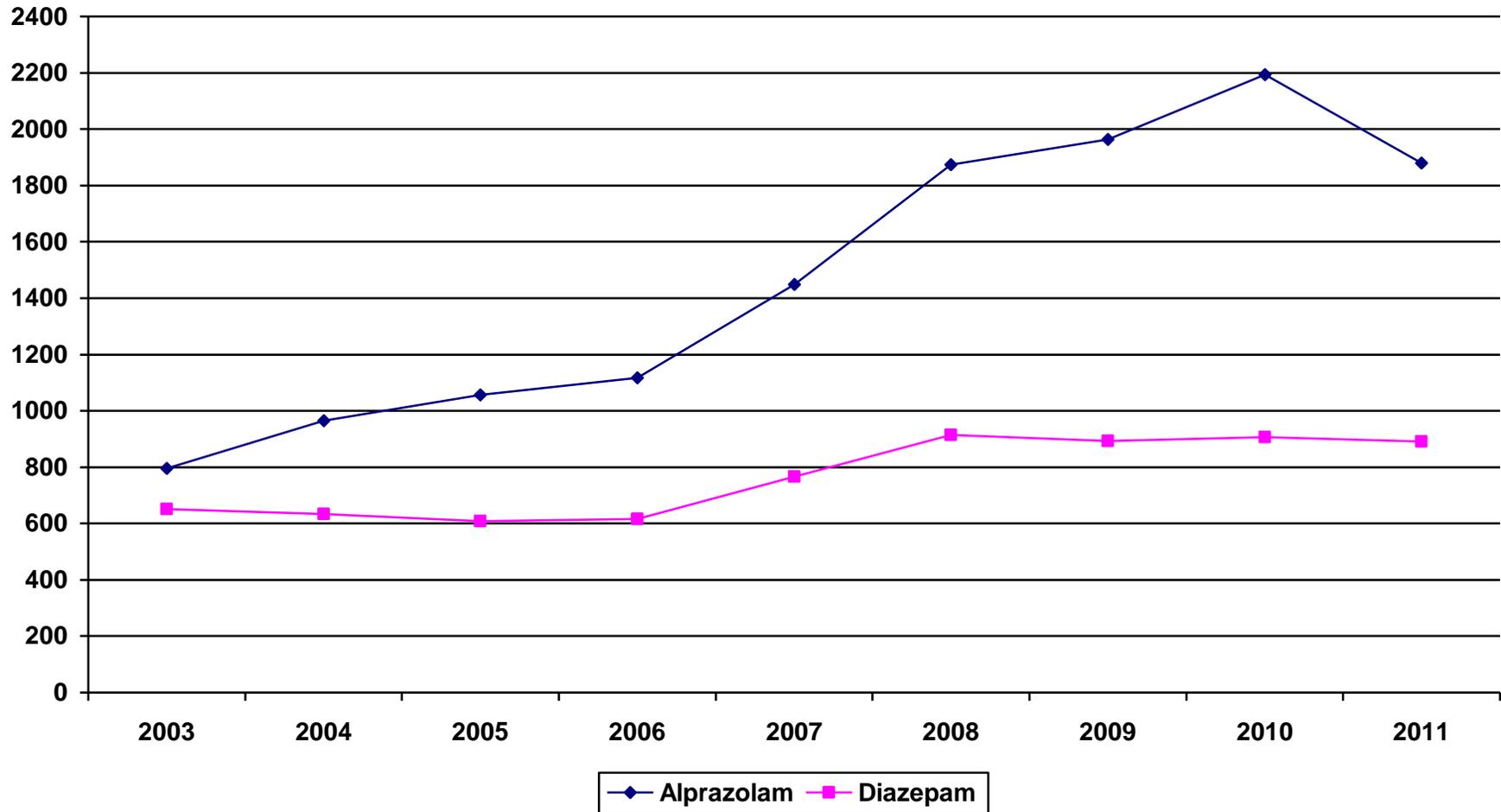
Deaths Caused by Diazepam					
Age of Decedent					
Total	< 18	18–25	26-34	35-50	>50
5	0	0	3	1	1
1	0	0	0	0	1
3	0	0	0	2	1
16	0	2	3	7	4
1	0	0	0	1	0
93	1	4	10	46	32
1	0	0	0	0	1
6	0	0	1	0	5
0	0	0	0	0	0
17	0	2	2	3	10
8	0	1	2	2	3
25	0	2	7	5	11
14	0	0	1	5	8
1	0	1	0	0	0
44	0	2	8	10	24
5	0	0	1	3	1
35	0	1	6	10	18
6	0	0	0	1	5
0	0	0	0	0	0
8	0	0	1	2	5
13	0	3	1	5	4
0	0	0	0	0	0
4	0	0	2	0	2
0	0	0	0	0	0
<b>306</b>	<b>1</b>	<b>18</b>	<b>48</b>	<b>103</b>	<b>136</b>

Diazepam Present					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
10	0	0	2	2	6
5	1	2	1	0	1
17	0	1	4	4	8
50	0	0	7	18	25
41	0	2	12	9	18
53	1	2	4	18	28
23	1	1	1	11	9
6	0	1	0	2	3
48	0	1	10	15	22
10	0	1	1	1	7
29	0	0	1	11	17
12	1	1	0	6	4
18	0	2	2	6	8
7	0	0	0	5	2
60	0	12	8	22	18
6	0	1	0	1	4
50	0	1	1	13	35
28	0	0	3	8	17
44	0	2	6	18	18
7	0	0	1	3	3
28	0	0	4	11	13
3	0	0	0	0	3
17	0	0	1	10	6
13	0	1	3	4	5
<b>585</b>	<b>4</b>	<b>31</b>	<b>72</b>	<b>198</b>	<b>280</b>

## Diazepam Deaths by County 2011



## Historical Occurrences of Alprazolam and Diazepam (present and cause)



## Oxycodone Deaths January – December 2011

Medical Examiner District & 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 Bch
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
25	14	11
17	10	7
23	14	9
115	63	52
120	73	47
322	195	127
66	28	38
24	16	8
127	60	67
58	42	16
75	37	38
91	63	28
180	114	66
14	6	8
240	156	84
16	10	6
174	100	74
103	61	42
102	62	40
42	30	12
88	39	49
35	15	20
35	21	14
36	18	18
<b>2128</b>	<b>1247</b>	<b>881</b>

Deaths with Oxycodone Only		
Total	Cause	Present
0	0	0
2	0	2
1	0	1
8	3	5
0	0	0
19	11	8
3	0	3
0	0	0
9	1	8
0	0	0
0	0	0
14	9	5
20	6	14
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
2	0	2
0	0	0
1	0	1
2	1	1
3	0	3
<b>84</b>	<b>31</b>	<b>53</b>

Deaths with Oxycodone in Combination with Other Drugs		
Total	Cause	Present
25	14	11
15	10	5
22	14	8
107	60	47
120	73	47
303	184	119
63	28	35
24	16	8
118	59	59
58	42	16
75	37	38
77	54	23
160	108	52
14	6	8
240	156	84
16	10	6
174	100	74
103	61	42
102	62	40
40	30	10
88	39	49
34	15	19
33	20	13
33	18	15
<b>2044</b>	<b>1216</b>	<b>828</b>

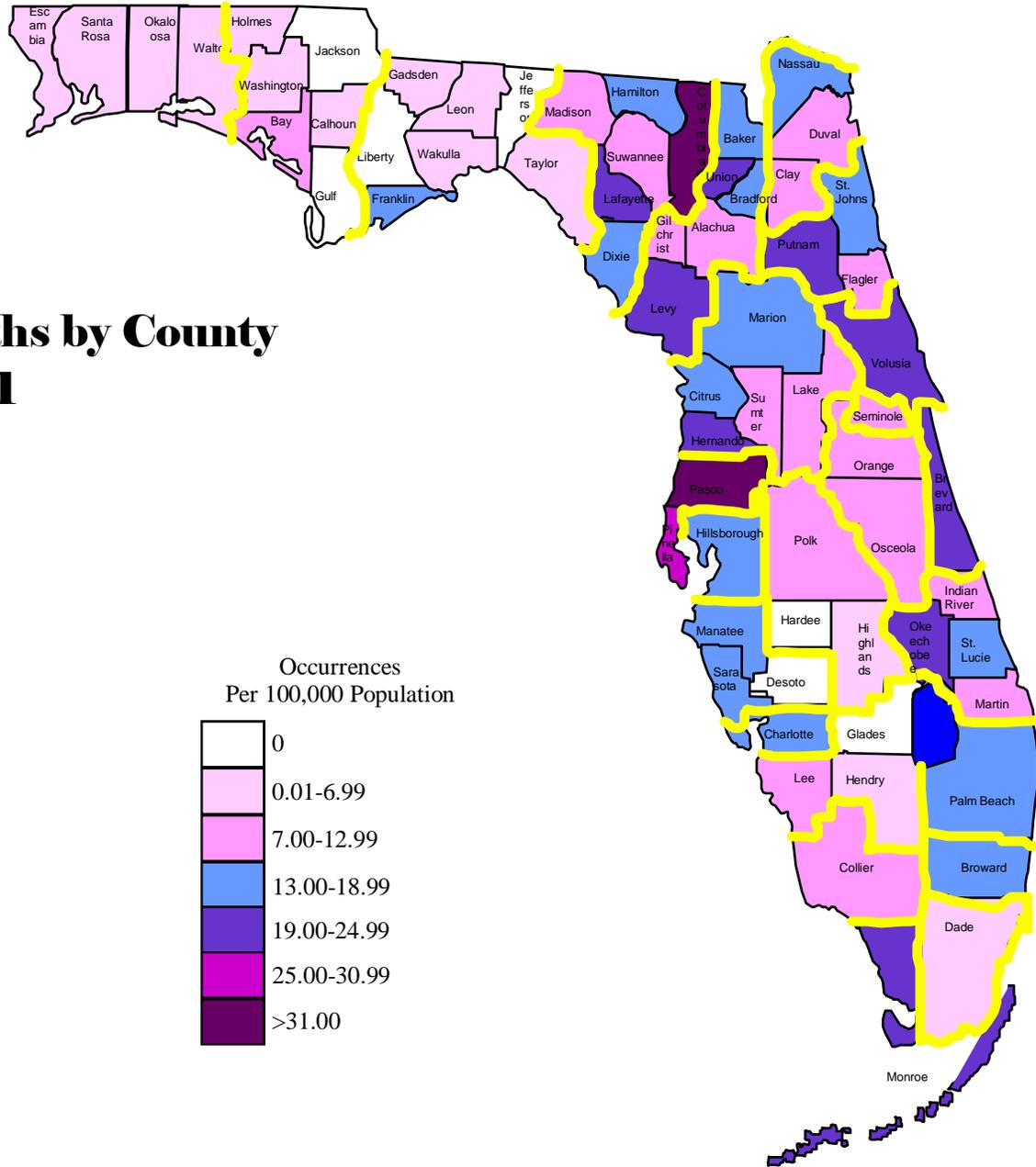
## Oxycodone Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	25
2	Tallahassee	17
3	Live Oak	23
4	Jacksonville	115
5	Leesburg	120
6	St. Petersburg	322
7	Daytona Beach	66
8	Gainesville	24
9	Orlando	127
10	Lakeland	58
11	Miami	75
12	Sarasota	91
13	Tampa	180
14	Panama City	14
15	West Palm Bch	240
16	Florida Keys	16
17	Ft. Lauderdale	174
18	Melbourne	103
19	Ft. Pierce	102
20	Naples	42
21	Ft. Myers	88
22	Port Charlotte	35
23	St. Augustine	35
24	Sanford	36
<b>Statewide Totals</b>		<b>2128</b>

Deaths Caused by Oxycodone						
Age of Decedent						
Total	< 18	18–25	26-34	35-50	>50	
14	0	3	4	2	5	
10	0	0	5	2	3	
14	0	0	4	7	3	
63	0	8	15	25	15	
73	1	8	14	29	21	
195	1	9	44	98	43	
28	0	2	13	6	7	
16	0	0	6	6	4	
60	1	1	18	25	15	
42	1	4	9	15	13	
37	1	4	6	20	6	
63	0	10	15	22	16	
114	1	9	29	48	27	
6	0	1	0	2	3	
156	0	22	32	52	50	
10	0	1	3	4	2	
100	0	6	12	45	37	
61	0	2	12	25	22	
62	0	3	13	25	21	
30	0	3	5	13	9	
39	0	5	15	14	5	
15	1	1	3	5	5	
21	0	3	3	10	5	
18	0	3	3	11	1	
<b>1247</b>	<b>7</b>	<b>108</b>	<b>283</b>	<b>511</b>	<b>338</b>	

Oxycodone Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
11	0	0	2	5	4	
7	0	1	2	1	3	
9	0	1	2	1	5	
52	0	6	7	19	20	
47	0	3	13	11	20	
127	1	8	24	48	46	
38	0	2	7	20	9	
8	0	0	3	2	3	
67	1	5	9	17	35	
16	0	2	3	4	7	
38	0	3	4	11	20	
28	0	0	7	14	7	
66	1	3	11	22	29	
8	0	1	2	1	4	
84	0	10	14	30	30	
6	0	0	0	1	5	
74	0	4	8	25	37	
42	0	4	7	12	19	
40	0	3	5	15	17	
12	0	1	1	3	7	
49	0	2	8	15	24	
20	0	3	2	4	11	
14	0	0	3	7	4	
18	0	4	4	6	4	
<b>881</b>	<b>3</b>	<b>66</b>	<b>148</b>	<b>294</b>	<b>370</b>	

# Oxycodone Deaths by County 2011



## Hydrocodone Deaths January – December 2011

Medical Examiner District & 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 Bch
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
50	12	38
20	2	18
17	2	15
101	31	70
45	24	21
136	52	84
36	6	30
16	2	14
47	11	36
46	21	25
24	8	16
29	17	12
41	16	25
20	2	18
60	38	22
7	4	3
31	14	17
37	12	25
24	4	20
9	4	5
33	12	21
8	2	6
21	8	13
19	3	16
<b>877</b>	<b>307</b>	<b>570</b>

Deaths with Hydrocodone Only		
Total	Cause	Present
5	1	4
6	0	6
2	0	2
12	5	7
0	0	0
15	0	15
5	0	5
0	0	0
2	0	2
0	0	0
0	0	0
3	1	2
14	3	11
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
1	0	1
0	0	0
1	0	1
5	0	5
1	0	1
<b>72</b>	<b>10</b>	<b>62</b>

Deaths with Hydrocodone in Combination with Other Drugs		
Total	Cause	Present
45	11	34
14	2	12
15	2	13
89	26	63
45	24	21
121	52	69
31	6	25
16	2	14
45	11	34
46	21	25
24	8	16
26	16	10
27	13	14
20	2	18
60	38	22
7	4	3
31	14	17
37	12	25
24	4	20
8	4	4
33	12	21
7	2	5
16	8	8
18	3	15
<b>805</b>	<b>297</b>	<b>508</b>

## Hydrocodone Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	50
2	Tallahassee	20
3	Live Oak	17
4	Jacksonville	101
5	Leesburg	45
6	St. Petersburg	136
7	Daytona Beach	36
8	Gainesville	16
9	Orlando	47
10	Lakeland	46
11	Miami	24
12	Sarasota	29
13	Tampa	41
14	Panama City	20
15	West Palm Bch	60
16	Florida Keys	7
17	Ft. Lauderdale	31
18	Melbourne	37
19	Ft. Pierce	24
20	Naples	9
21	Ft. Myers	33
22	Port Charlotte	8
23	St. Augustine	21
24	Sanford	19
<b>Statewide Totals</b>		<b>877</b>

Deaths Caused by Hydrocodone					
Age of Decedent					
Total	< 18	18–25	26-34	35-50	>50
12	0	0	4	5	3
2	0	0	0	0	2
2	0	0	1	1	0
31	0	2	5	13	11
24	0	0	4	11	9
52	0	3	6	22	21
6	0	0	1	3	2
2	0	0	0	1	1
11	0	1	1	1	8
21	1	0	3	6	11
8	0	1	0	3	4
17	1	1	4	5	6
16	0	0	2	3	11
2	0	0	1	1	0
38	0	6	0	12	20
4	0	0	1	1	2
14	0	0	3	5	6
12	0	0	0	6	6
4	0	0	0	2	2
4	0	0	0	3	1
12	0	1	0	6	5
2	0	0	0	1	1
8	0	0	2	1	5
3	0	0	0	3	0
<b>307</b>	<b>2</b>	<b>15</b>	<b>38</b>	<b>115</b>	<b>137</b>

Hydrocodone Present					
Age of Decedent					
Total	< 18	18–25	26-34	35-50	>50
38	0	2	8	8	20
18	0	2	1	3	12
15	1	1	3	1	9
70	0	7	8	21	34
21	0	0	3	9	9
84	1	2	10	26	45
30	0	3	5	8	14
14	0	0	0	3	11
36	0	0	5	8	23
25	0	1	1	7	16
16	0	0	1	5	10
12	0	0	2	3	7
25	0	0	2	8	15
18	0	2	4	6	6
22	0	2	2	2	16
3	0	1	0	0	2
17	0	0	2	7	8
25	0	0	6	4	15
20	0	0	1	5	14
5	0	0	0	2	3
21	0	0	2	8	11
6	0	0	1	0	5
13	0	0	1	7	5
16	0	3	2	8	3
<b>570</b>	<b>2</b>	<b>26</b>	<b>70</b>	<b>159</b>	<b>313</b>



## Methadone Deaths January – December 2011

Medical Examiner District & 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 Bch
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
37	30	7
9	5	4
16	11	5
70	46	24
77	61	16
127	102	25
31	16	15
22	13	9
51	35	16
20	17	3
18	9	9
56	46	10
112	81	31
13	8	5
98	76	22
2	1	1
51	31	20
40	31	9
21	15	6
15	12	3
24	16	8
6	3	3
25	21	4
13	5	8
<b>954</b>	<b>691</b>	<b>263</b>

Deaths with Methadone Only		
Total	Cause	Present
2	0	2
1	0	1
1	0	1
10	5	5
0	0	0
7	6	1
4	1	3
0	0	0
3	2	1
0	0	0
0	0	0
9	7	2
21	13	8
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
4	3	1
2	1	1
<b>64</b>	<b>38</b>	<b>26</b>

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
35	30	5
8	5	3
15	11	4
60	41	19
77	61	16
120	96	24
27	15	12
22	13	9
48	33	15
20	17	3
18	9	9
47	39	8
91	68	23
13	8	5
98	76	22
2	1	1
51	31	20
40	31	9
21	15	6
15	12	3
24	16	8
6	3	3
21	18	3
11	4	7
<b>890</b>	<b>653</b>	<b>237</b>

## Methadone Deaths by Age January – December 2011

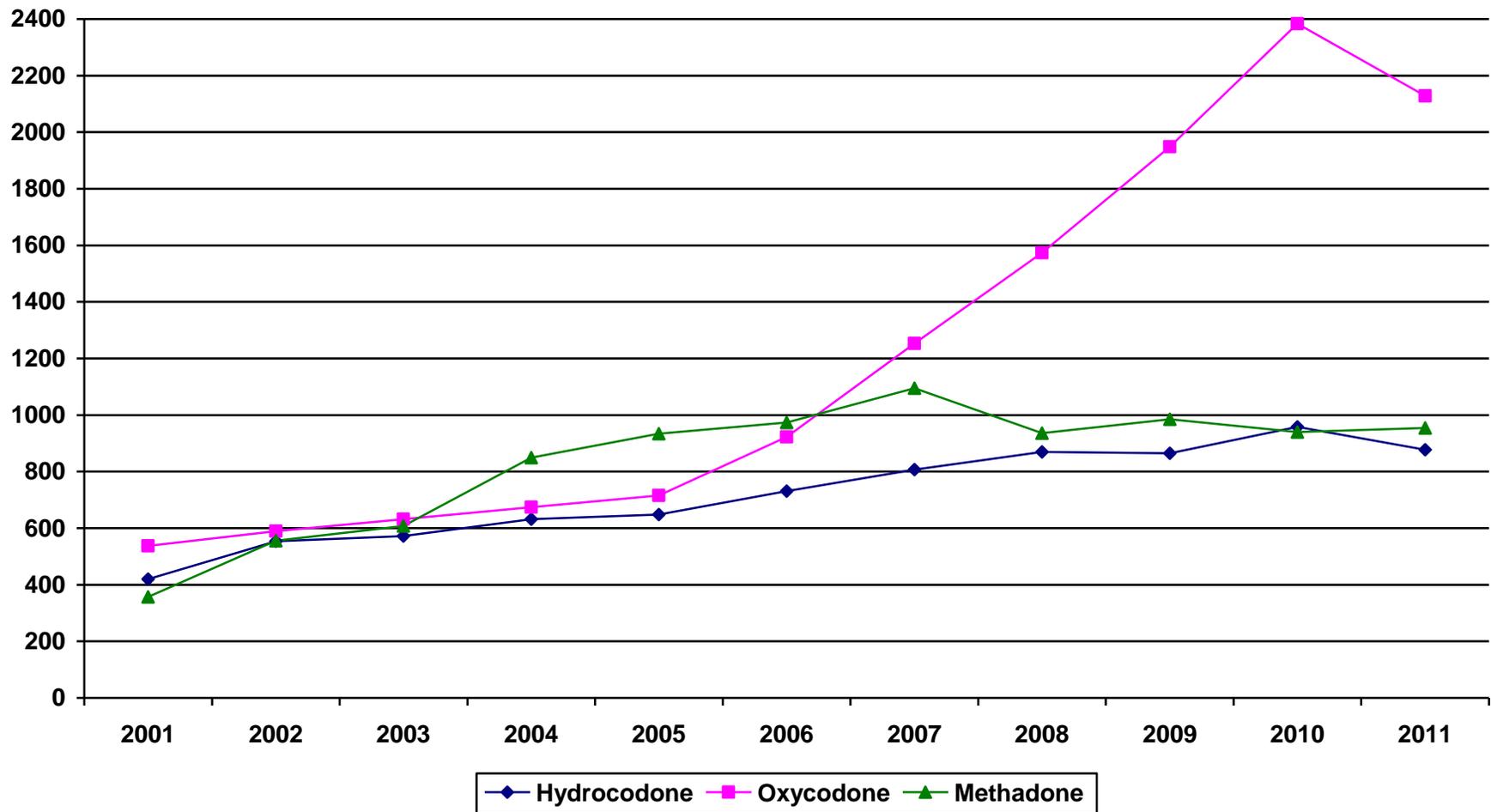
Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	37
2	Tallahassee	9
3	Live Oak	16
4	Jacksonville	70
5	Leesburg	77
6	St. Petersburg	127
7	Daytona Beach	31
8	Gainesville	22
9	Orlando	51
10	Lakeland	20
11	Miami	18
12	Sarasota	56
13	Tampa	112
14	Panama City	13
15	West Palm Bch	98
16	Florida Keys	2
17	Ft. Lauderdale	51
18	Melbourne	40
19	Ft. Pierce	21
20	Naples	15
21	Ft. Myers	24
22	Port Charlotte	6
23	St. Augustine	25
24	Sanford	13
<b>Statewide Totals</b>		<b>954</b>

Deaths Caused by Methadone					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
30	0	3	13	9	5
5	0	0	1	3	1
11	0	0	1	8	2
46	1	9	11	17	8
61	0	6	13	24	18
102	2	4	30	45	21
16	1	3	5	6	1
13	0	1	2	5	5
35	1	6	6	14	8
17	1	3	1	6	6
9	0	2	2	3	2
46	0	6	12	19	9
81	0	5	22	31	23
8	0	2	0	5	1
76	0	10	26	22	18
1	0	0	1	0	0
31	1	2	9	10	9
31	2	3	6	13	7
15	0	4	4	3	4
12	0	2	2	8	0
16	0	2	4	6	4
3	0	1	1	1	0
21	0	1	6	11	3
5	0	1	1	3	0
<b>691</b>	<b>9</b>	<b>76</b>	<b>166</b>	<b>272</b>	<b>155</b>

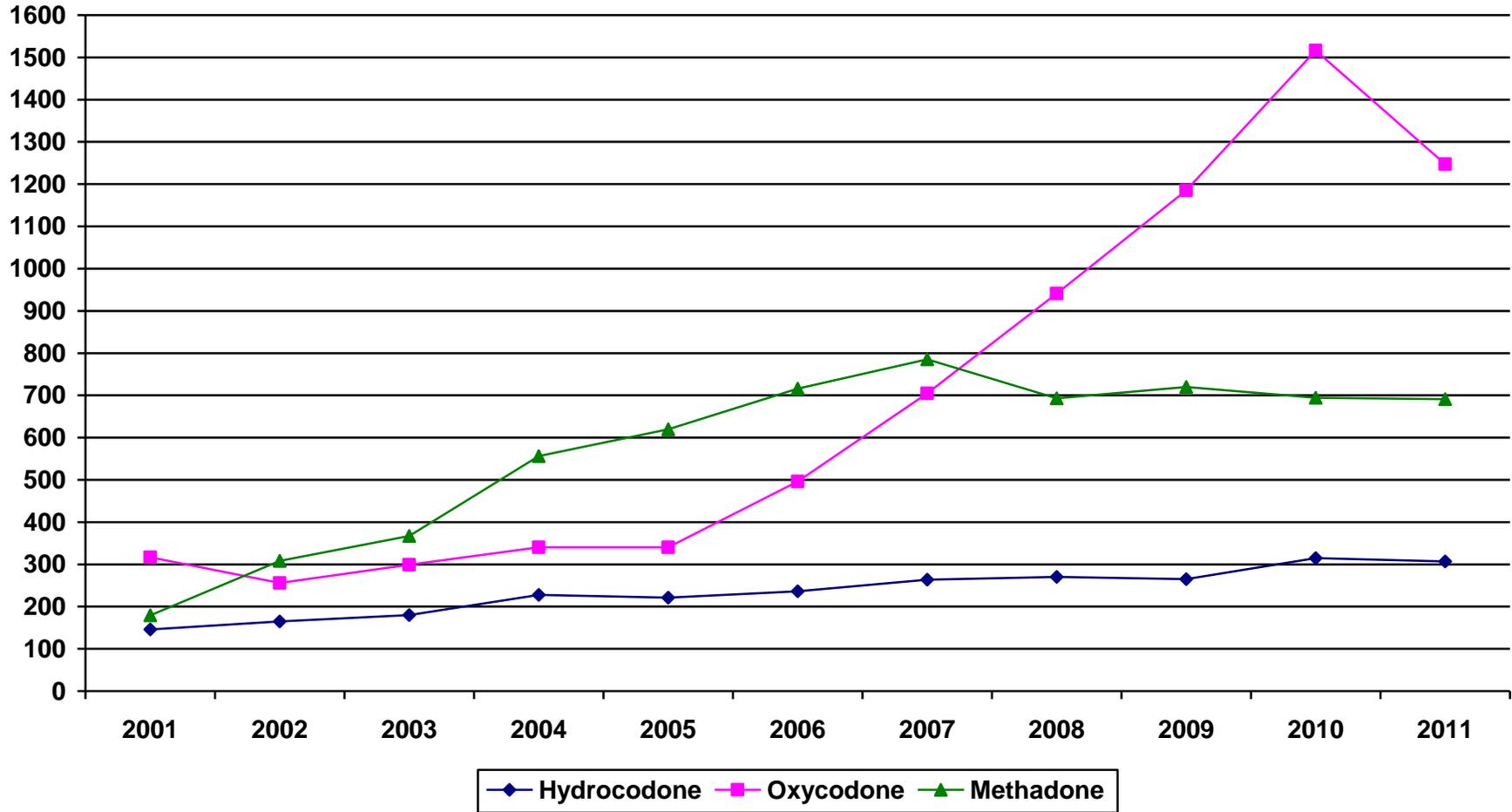
Methadone Present					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
7	0	1	1	4	1
4	0	0	0	4	0
5	0	0	1	2	2
24	0	1	8	7	8
16	1	1	6	2	6
25	1	1	5	13	5
15	0	0	2	10	3
9	0	2	2	2	3
16	1	1	0	9	5
3	0	0	0	3	0
9	0	0	1	3	5
10	0	1	2	4	3
31	0	0	6	16	9
5	0	1	2	0	2
22	0	0	2	8	12
1	0	0	0	1	0
20	0	0	1	7	12
9	0	0	3	1	5
6	0	0	0	2	4
3	0	0	0	1	2
8	0	0	1	0	7
3	0	0	0	0	3
4	0	0	1	1	2
8	0	0	1	5	2
<b>263</b>	<b>3</b>	<b>9</b>	<b>45</b>	<b>105</b>	<b>101</b>



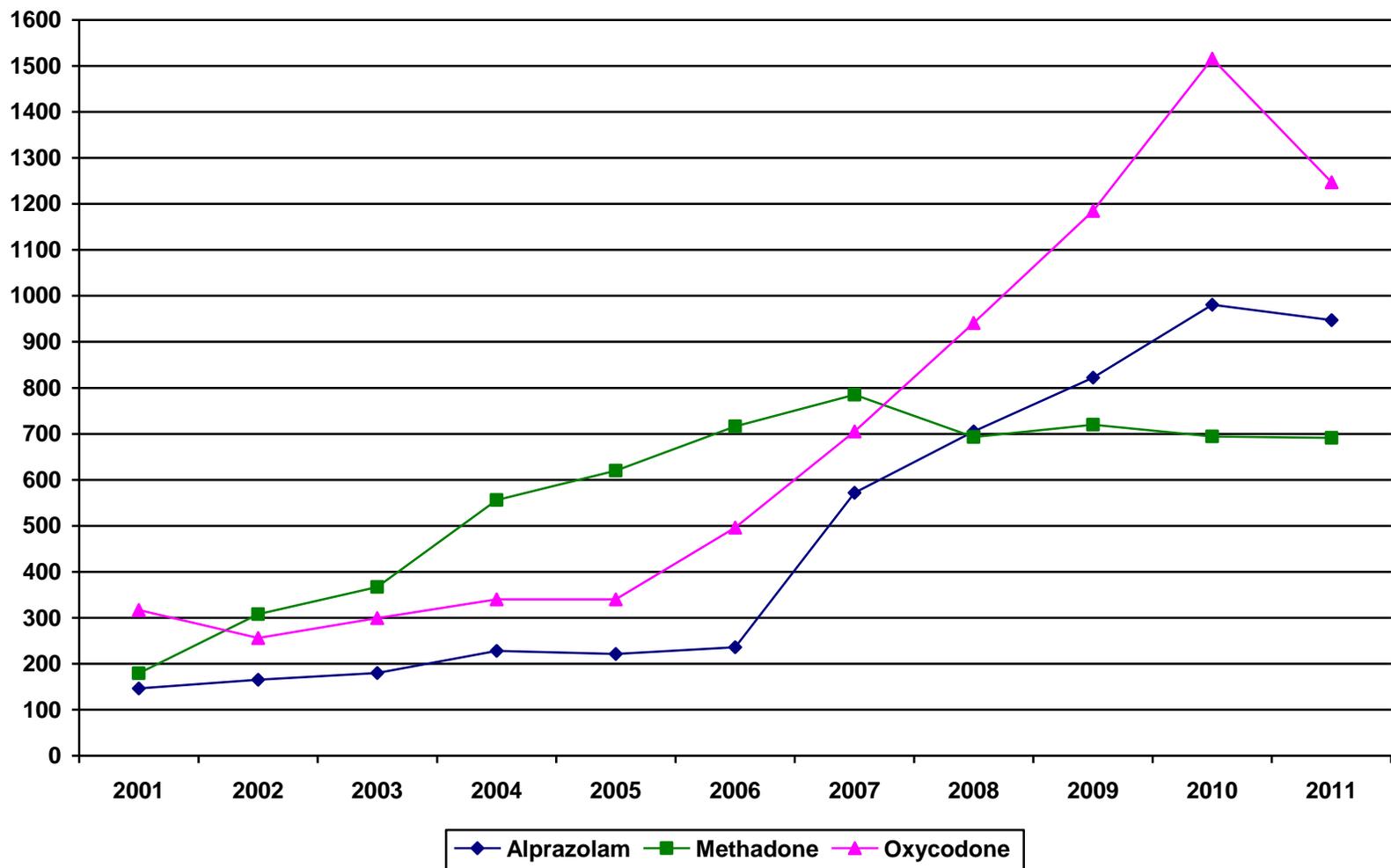
## Historical Occurrences of Hydrocodone, Oxycodone, & Methadone (present and cause)



## Historical Deaths Caused by Hydrocodone, Oxycodone, & Methadone



### Historical Deaths Caused by Alprazolam, Methadone, & Oxycodone



## Morphine Deaths January – December 2011

Medical Examiner District & 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 Bch
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
16	5	11
9	1	8
6	2	4
46	22	24
35	21	14
72	42	30
20	5	15
22	6	16
62	15	47
34	13	21
58	19	39
26	15	11
66	31	35
12	5	7
72	48	24
5	1	4
72	40	32
27	15	12
16	7	9
9	8	1
25	13	12
19	3	16
9	6	3
9	2	7
<b>747</b>	<b>345</b>	<b>402</b>

Deaths with Morphine Only		
Total	Cause	Present
2	0	2
4	0	4
1	0	1
6	0	6
0	0	0
12	4	8
4	0	4
0	0	0
8	2	6
0	0	0
0	0	0
5	2	3
20	4	16
0	0	0
0	0	0
1	0	1
0	0	0
0	0	0
2	1	1
0	0	0
4	0	4
1	0	1
1	0	1
<b>71</b>	<b>13</b>	<b>58</b>

Deaths with Morphine in Combination with Other Drugs		
Total	Cause	Present
14	5	9
5	1	4
5	2	3
40	22	18
35	21	14
60	38	22
16	5	11
22	6	16
54	13	41
34	13	21
58	19	39
21	13	8
46	27	19
12	5	7
72	48	24
4	1	3
72	40	32
27	15	12
16	7	9
7	7	0
25	13	12
15	3	12
8	6	2
8	2	6
<b>676</b>	<b>332</b>	<b>344</b>

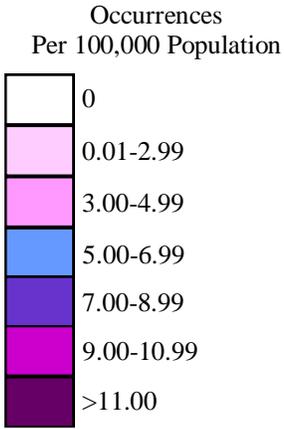
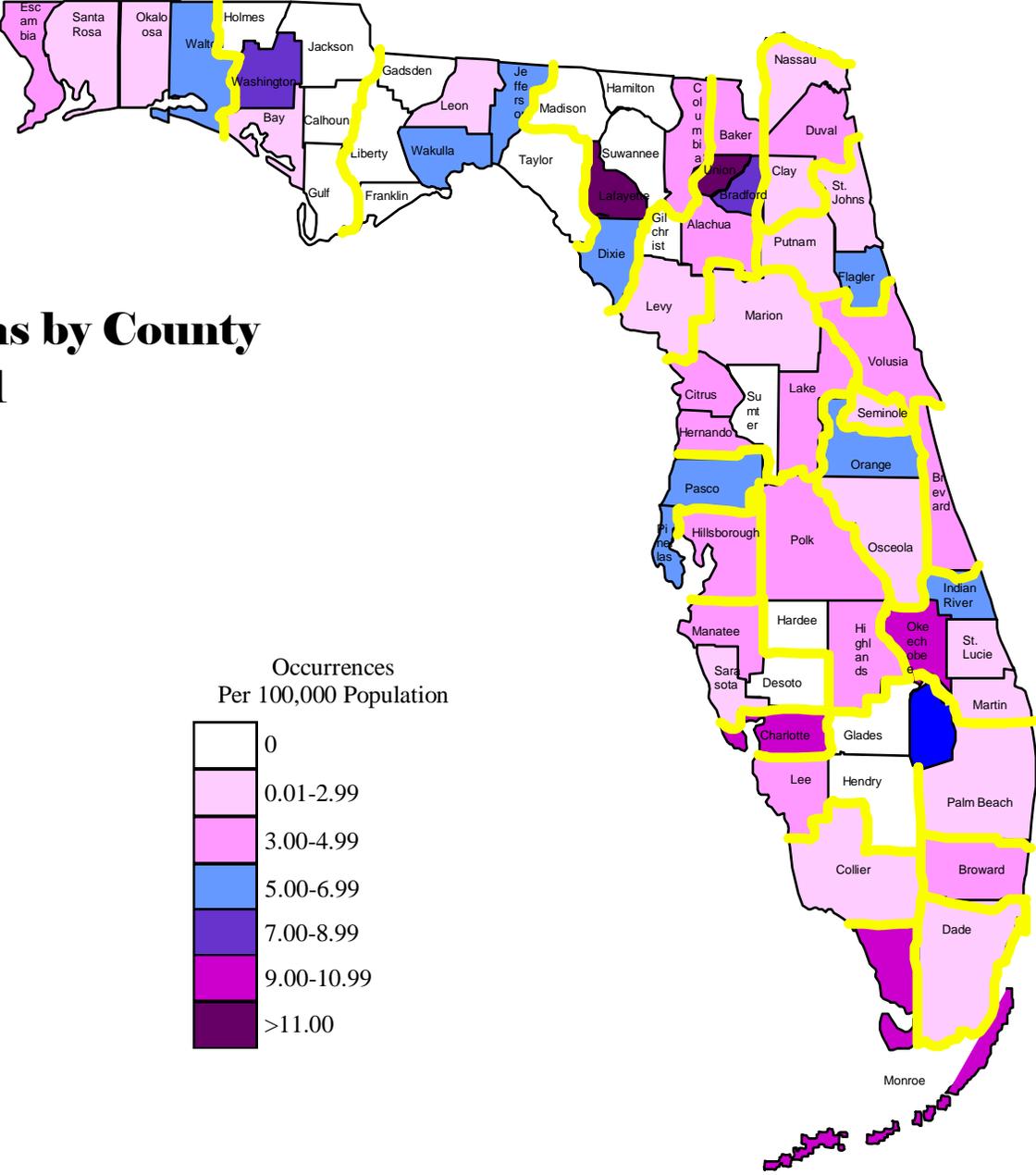
## Morphine Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	16
2	Tallahassee	9
3	Live Oak	6
4	Jacksonville	46
5	Leesburg	35
6	St. Petersburg	72
7	Daytona Beach	20
8	Gainesville	22
9	Orlando	62
10	Lakeland	34
11	Miami	58
12	Sarasota	26
13	Tampa	66
14	Panama City	12
15	West Palm Bch	72
16	Florida Keys	5
17	Ft. Lauderdale	72
18	Melbourne	27
19	Ft. Pierce	16
20	Naples	9
21	Ft. Myers	25
22	Port Charlotte	19
23	St. Augustine	9
24	Sanford	9
<b>Statewide Totals</b>		<b>747</b>

Deaths Caused by Morphine						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
5	1	0	1	1	2	
1	0	0	0	1	0	
2	0	0	1	0	1	
22	0	3	2	9	8	
21	0	0	1	9	11	
42	0	2	7	21	12	
5	0	1	0	1	3	
6	0	0	2	2	2	
15	0	0	2	5	8	
13	0	1	1	5	6	
19	1	3	1	7	7	
15	0	1	1	7	6	
31	0	1	4	10	16	
5	0	1	1	1	2	
48	0	8	12	8	20	
1	0	0	0	0	1	
40	0	3	4	18	15	
15	0	1	4	6	4	
7	0	0	0	1	6	
8	0	0	0	4	4	
13	0	1	1	7	4	
3	0	0	1	1	1	
6	0	0	0	4	2	
2	0	0	1	0	1	
<b>345</b>	<b>2</b>	<b>26</b>	<b>47</b>	<b>128</b>	<b>142</b>	

Morphine Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
11	1	1	3	2	4	
8	0	0	0	3	5	
4	0	0	0	1	3	
24	2	0	1	6	15	
14	1	0	0	3	10	
30	0	1	1	10	18	
15	1	0	0	2	12	
16	0	0	1	4	11	
47	0	2	3	9	33	
21	0	2	0	2	17	
39	1	3	3	10	22	
11	0	0	0	5	6	
35	1	2	1	8	23	
7	0	0	1	4	2	
24	0	0	2	2	20	
4	0	0	0	0	4	
32	1	3	1	6	21	
12	0	0	0	4	8	
9	0	0	1	2	6	
1	0	0	0	0	1	
12	0	1	2	2	7	
16	0	1	0	0	15	
3	0	0	0	0	3	
7	1	0	0	5	1	
<b>402</b>	<b>9</b>	<b>16</b>	<b>20</b>	<b>90</b>	<b>267</b>	

# Morphine Deaths by County 2011



## Prescription Drugs in Medical Examiner Cases 2010 vs. 2011

Medical Examiner District & 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 Bch
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>	
<i>These tables are based on prescription drugs tracked by the Medical Examiners Commission and reported by Florida Medical Examiners. The list of drugs tracked by the Medical Examiners Commission expanded significantly in 2010. Do not add across columns.</i>	

Total Prescription Drug Occurrences in ME Cases (present & cause)		
2010	2011	Percent Change
148	133	-10.1
66	71	7.6
63	67	14.3
350	344	1.7
346	312	-9.8
708	624	-11.9
237	163	-31.2
126	103	-18.3
476	379	7.1
187	188	0
359	312	-13.1
246	225	-8.5
400	431	7.6
80	63	-22.5
365	626	71.5
39	45	20.5
470	431	-8.1
255	234	-8.2
208	208	0
72	72	0
198	199	0
59	78	32.2
107	97	-9.3
82	84	0
<b>5647</b>	<b>5489</b>	<b>-2.8 %</b>
<i>These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent. These drugs may have also been mixed with illicit drugs and/or alcohol.</i>		

Accidental Deaths with Prescription Drug Occurrences (present & cause)		
2010	2011	Percent Change
79	85	7.6
30	29	0
45	37	-17.8
192	209	8.9
219	240	9.6
457	398	-12.9
149	94	-36.9
58	96	65.5
255	244	4.3
110	191	73.6
149	311	108
142	129	-9.2
255	252	0
42	54	28.6
226	492	117
24	23	0
271	338	24.7
134	190	41.8
112	175	56.3
45	50	11.1
92	136	47.8
23	36	56.5
65	65	0
60	53	-13.2
<b>3234</b>	<b>3927</b>	<b>21.4%</b>
<i>The manner of death for these decedents was reported as accidental. These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent. These drugs may have also been mixed with illicit drugs and/or alcohol.</i>		

Accidental Prescription Drug Caused Deaths		
2010	2011	Percent Change
51	50	-2.0
13	17	23.5
29	18	-37.9
139	130	-6.5
168	145	-13.7
390	323	-17.2
99	53	-46.5
32	20	-37.5
138	131	-5.1
27	65	58.5
71	83	14.5
113	111	-1.8
218	197	-9.6
23	10	-56.5
179	135	-24.6
19	15	-21.1
198	165	-16.7
106	97	-8.5
77	90	-8.5
35	41	14.6
51	58	12.1
16	17	5.9
48	43	-10.4
44	25	-43.2
<b>2,284</b>	<b>2039</b>	<b>-10.7%</b>
<i>The manner of death for these decedents was reported as accidental. These individuals died with at least one prescription drug in their system that was identified as causing or contributing to the death. These drugs may have also been mixed with illicit drugs and/or alcohol.</i>		

## Cocaine Deaths January – December 2011

Medical Examiner District & 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 Bch
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
34	14	20
36	15	21
8	3	5
113	42	71
48	30	18
112	59	53
43	6	37
34	13	21
124	41	83
29	18	11
184	49	135
54	34	20
96	35	61
9	2	7
182	102	80
7	1	6
115	64	51
38	20	18
40	15	25
23	11	12
73	18	55
7	1	6
15	4	11
20	7	13
<b>1444</b>	<b>604</b>	<b>840</b>

Deaths with Cocaine Only		
Total	Cause	Present
7	3	4
3	2	1
0	0	0
29	12	17
0	0	0
14	6	8
8	0	8
0	0	0
18	7	11
0	0	0
0	0	0
10	7	3
18	7	11
0	0	0
0	0	0
2	0	2
0	0	0
0	0	0
0	0	0
1	0	1
0	0	0
1	0	1
2	0	2
0	0	0
<b>113</b>	<b>44</b>	<b>69</b>

Deaths with Cocaine in Combination with Other Drugs		
Total	Cause	Present
27	11	16
33	13	20
8	3	5
84	30	54
48	30	18
98	53	45
35	6	29
34	13	21
106	34	72
29	18	11
184	49	135
44	27	17
78	28	50
9	2	7
182	102	80
5	1	4
115	64	51
38	20	18
40	15	25
22	11	11
73	18	55
6	1	5
13	4	9
20	7	13
<b>1331</b>	<b>560</b>	<b>771</b>

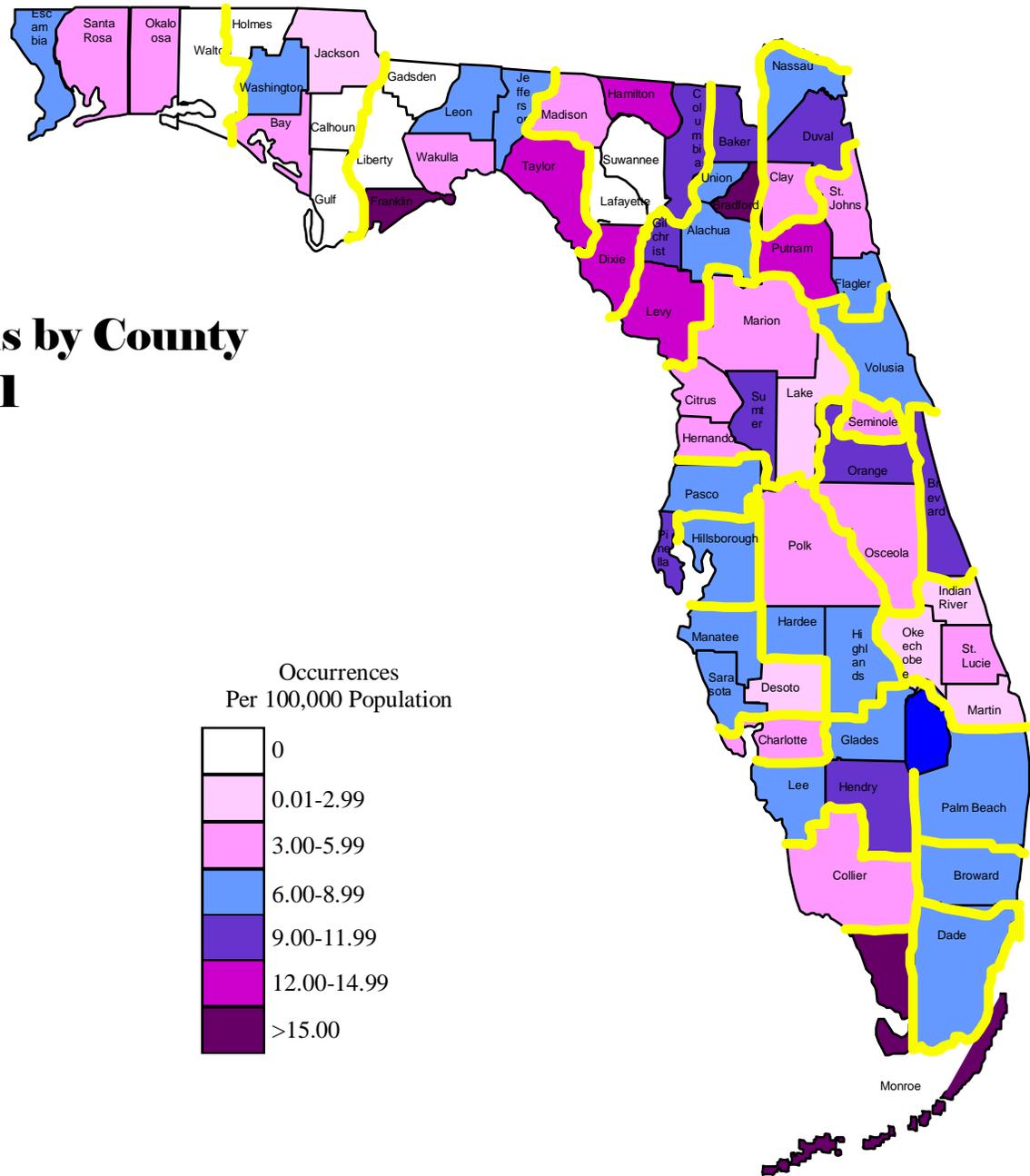
## Cocaine Deaths by Age January – December 2011

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	34
2	Tallahassee	36
3	Live Oak	8
4	Jacksonville	113
5	Leesburg	48
6	St. Petersburg	112
7	Daytona Beach	43
8	Gainesville	34
9	Orlando	124
10	Lakeland	29
11	Miami	184
12	Sarasota	54
13	Tampa	96
14	Panama City	9
15	West Palm Bch	182
16	Florida Keys	7
17	Ft. Lauderdale	115
18	Melbourne	38
19	Ft. Pierce	40
20	Naples	23
21	Ft. Myers	73
22	Port Charlotte	7
23	St. Augustine	15
24	Sanford	20
<b>Statewide Totals</b>		<b>1444</b>

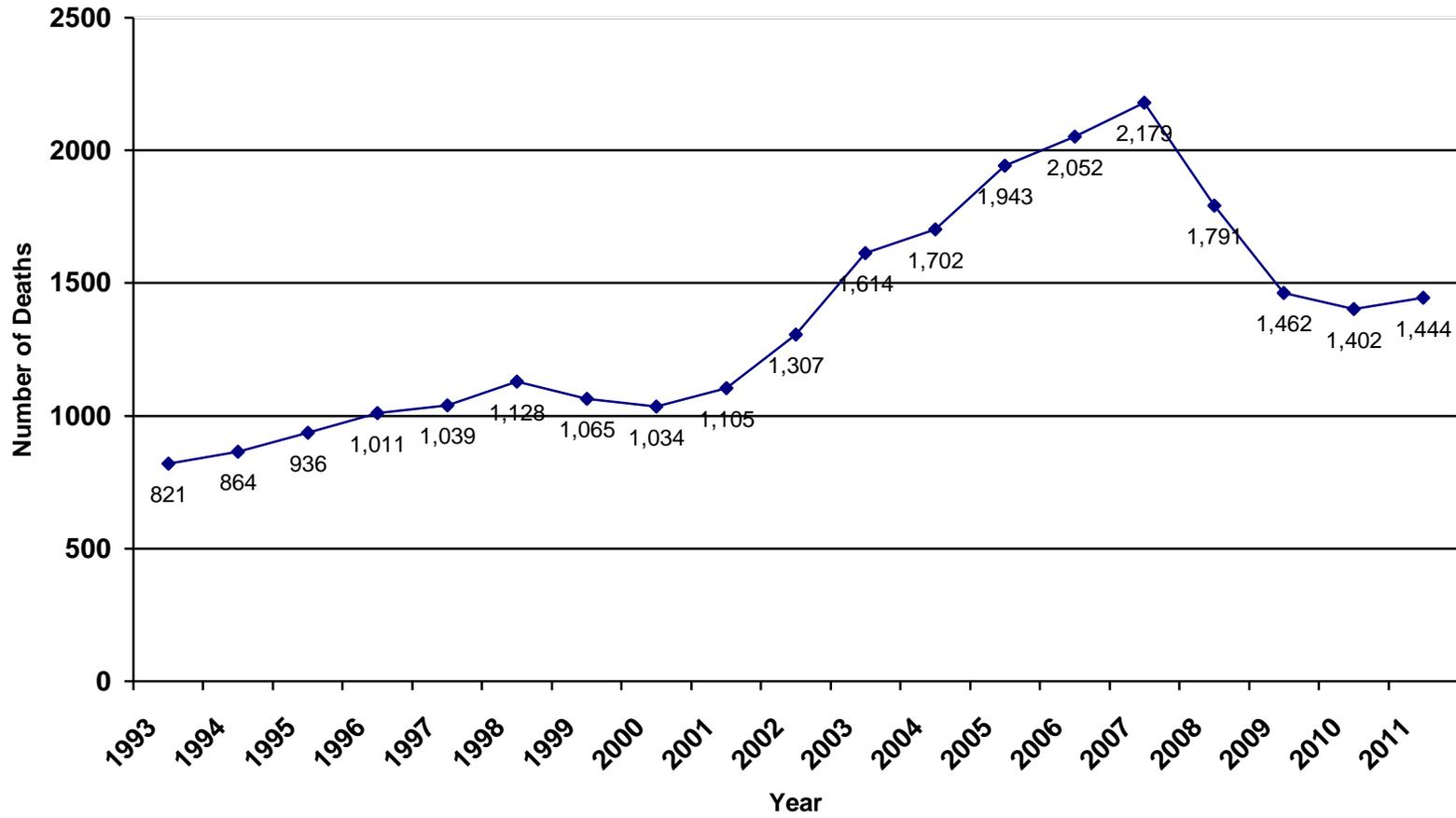
Deaths Caused by Cocaine						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
14	0	3	3	8	0	
15	0	0	2	10	3	
3	0	0	1	2	0	
42	1	3	9	15	14	
30	0	2	6	20	2	
59	0	2	15	28	14	
6	0	1	1	3	1	
13	0	1	5	5	2	
41	0	1	8	19	13	
18	1	0	3	2	12	
49	1	3	2	19	24	
34	0	1	12	12	9	
35	0	2	7	13	13	
2	0	0	0	1	1	
102	2	16	26	44	14	
1	0	0	0	1	0	
64	0	3	10	31	20	
20	0	2	5	7	6	
15	0	0	5	7	3	
11	0	1	3	6	1	
18	0	2	8	4	4	
1	0	0	0	1	0	
4	0	0	0	3	1	
7	0	0	4	1	2	
<b>604</b>	<b>5</b>	<b>43</b>	<b>135</b>	<b>262</b>	<b>159</b>	

Cocaine Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
20	1	1	9	5	4	
21	1	7	3	6	4	
5	0	1	1	3	0	
71	0	12	19	21	19	
18	0	1	7	9	1	
53	1	4	10	28	10	
37	0	1	12	17	7	
21	0	3	4	8	6	
83	1	12	18	30	22	
11	0	1	4	3	3	
135	1	15	33	44	42	
20	0	2	7	7	4	
61	0	6	17	28	10	
7	0	0	1	5	1	
80	0	14	14	44	8	
6	0	1	1	1	3	
51	0	2	6	26	17	
18	1	1	2	11	3	
25	0	1	2	15	7	
12	0	2	3	4	3	
55	0	5	15	20	15	
6	0	1	0	3	2	
11	0	1	3	4	3	
13	0	2	4	7	0	
<b>840</b>	<b>6</b>	<b>95</b>	<b>195</b>	<b>349</b>	<b>190</b>	

## Cocaine Deaths by County 2011



# Historical Cocaine Related Deaths (present and cause) 1993 - 2011



## **15 Year Study of Cocaine-Related Deaths Reported by Medical Examiners (present and cause)**

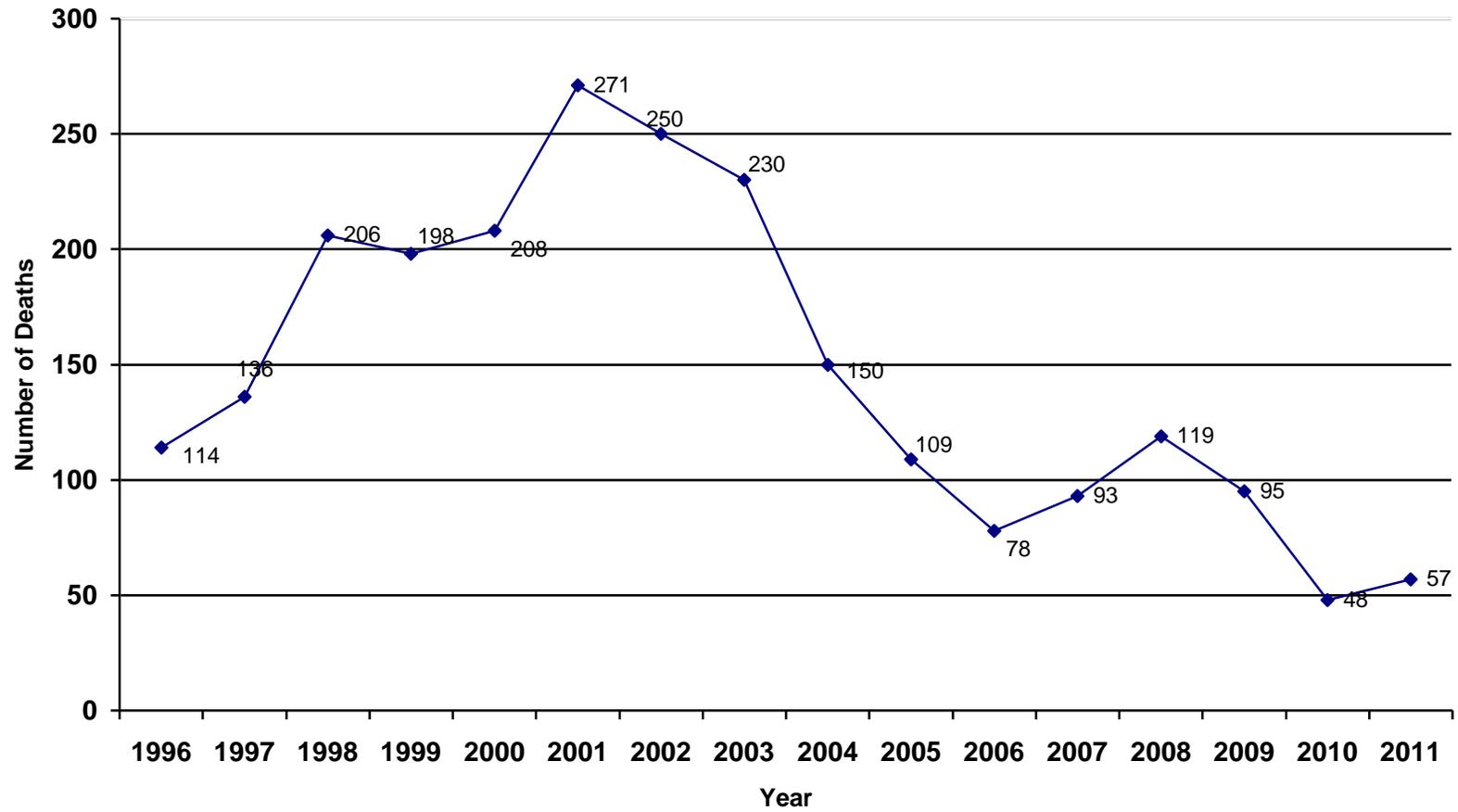
District	Area of Florida	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	Pensacola	15	18	22	23	23	37	46	59	69	78	76	56	33	36	34
2	Tallahassee	11	29	28	26	28	33	43	38	58	51	40	27	30	25	36
3	Live Oak	8	8	7	4	8	7	13	22	19	16	10	13	16	9	8
4	Jacksonville	81	86	100	101	108	148	184	205	195	246	248	165	125	115	113
5	Leesburg	27	23	19	35	38	47	56	69	60	21	45	67	56	52	48
6	St. Petersburg	41	52	58	75	81	89	116	150	138	185	173	154	139	134	112
7	Daytona Beach	31	26	8	24	37	35	42	43	77	64	84	51	58	44	43
8	Gainesville	18	19	15	17	12	15	45	43	48	47	42	32	39	39	34
9	Orlando	93	112	103	109	94	116	124	136	165	178	190	179	145	128	124
10	Lakeland	24	34	27	21	33	30	43	46	75	53	41	40	35	42	29
11	Miami	266	273	226	144	149	151	189	160	162	182	281	201	155	198	184
12	Sarasota	30	29	26	38	39	46	83	69	83	106	105	75	59	57	54
13	Tampa	83	72	80	52	56	79	81	108	115	130	158	146	54	83	96
14	Panama City	6	20	19	19	20	24	31	22	24	32	31	17	20	9	9
15	West Palm Bch	66	69	73	103	125	113	147	151	197	191	168	143	126	106	182
16	Florida Keys	11	12	20	12	14	16	11	10	18	16	27	15	14	11	7
17	Ft. Lauderdale	121	135	139	80	94	121	138	120	136	150	157	146	135	127	115
18	Melbourne	15	30	23	42	35	48	66	62	84	80	62	68	59	49	38
19	Ft. Pierce	11	22	21	37	39	33	33	43	58	45	46	47	35	20	40
20	Naples	11	8	14	15	17	23	15	21	24	34	29	15	21	13	23
21	Ft. Myers	37	20	27	35	27	55	68	84	78	96	79	67	48	53	73
22	Port Charlotte	3	4	3	6	6	5	3	10	14	14	19	14	9	5	7
23	St. Augustine	13	9	4	2	7	23	24	20	24	17	33	27	19	23	15
24	Sanford	17	18	3	14	15	13	13	11	22	20	35	26	32	24	20
<b>Statewide Total</b>		<b>1039</b>	<b>1,128</b>	<b>1,065</b>	<b>1,034</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>1444</b>







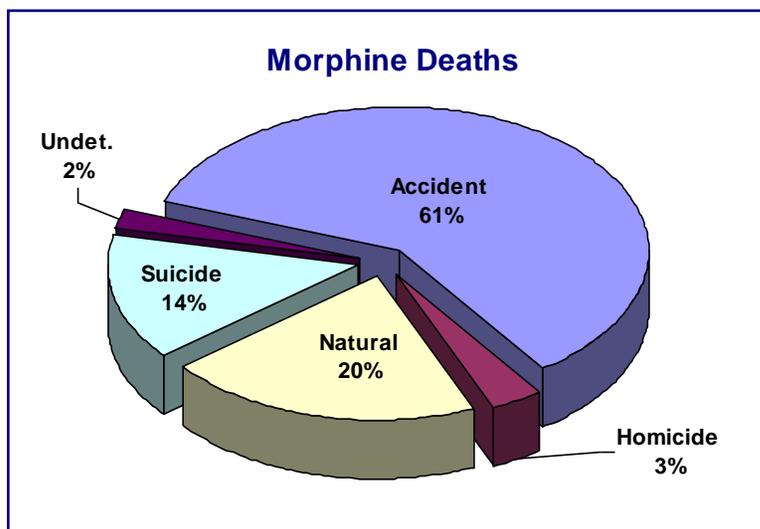
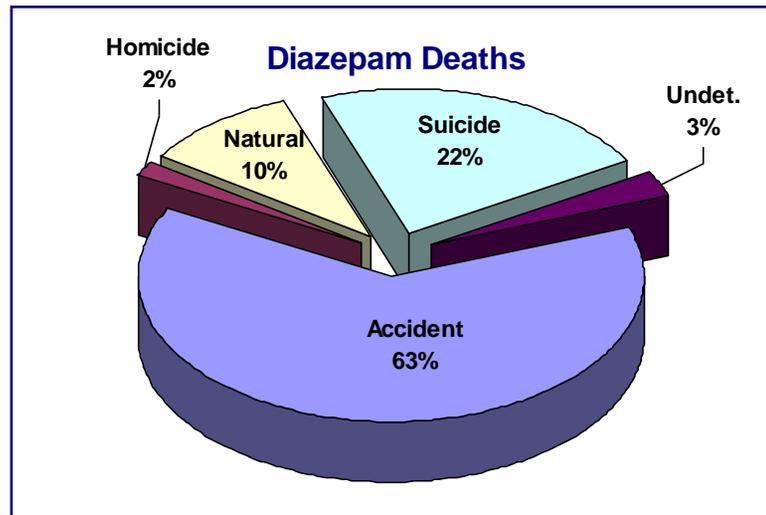
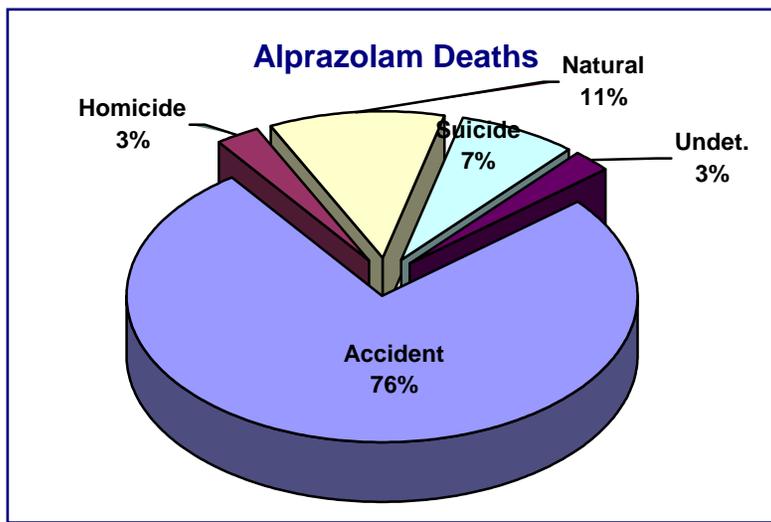
## Historical Deaths Caused by Heroin 1996 - 2011



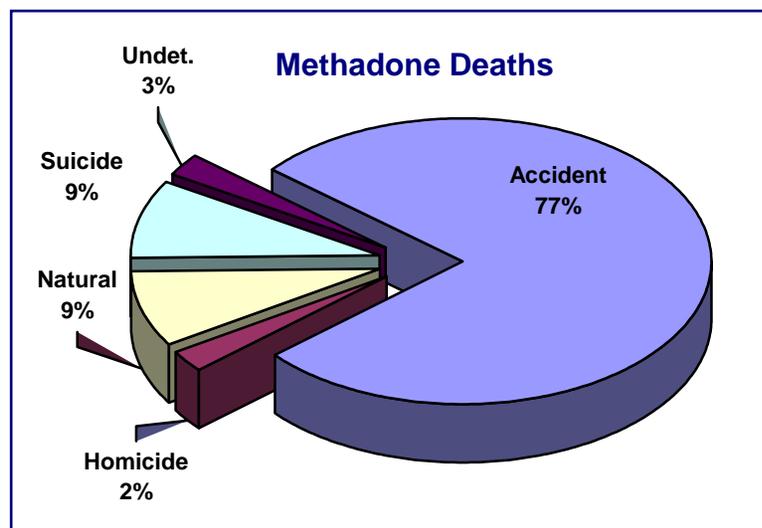
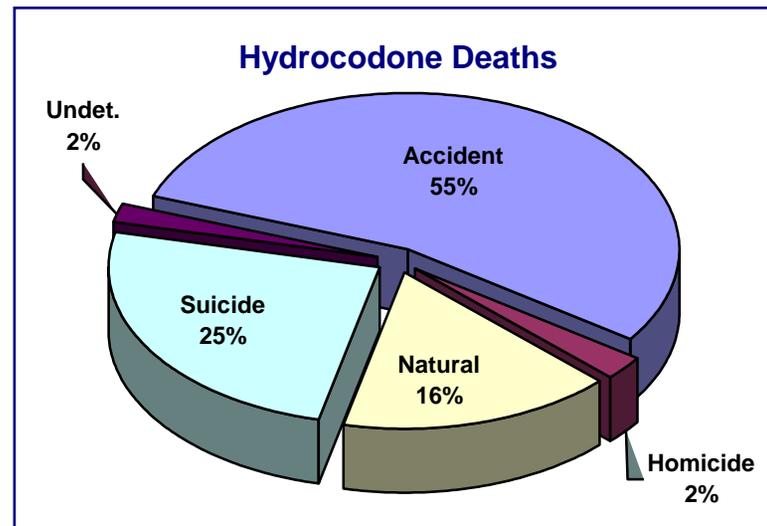
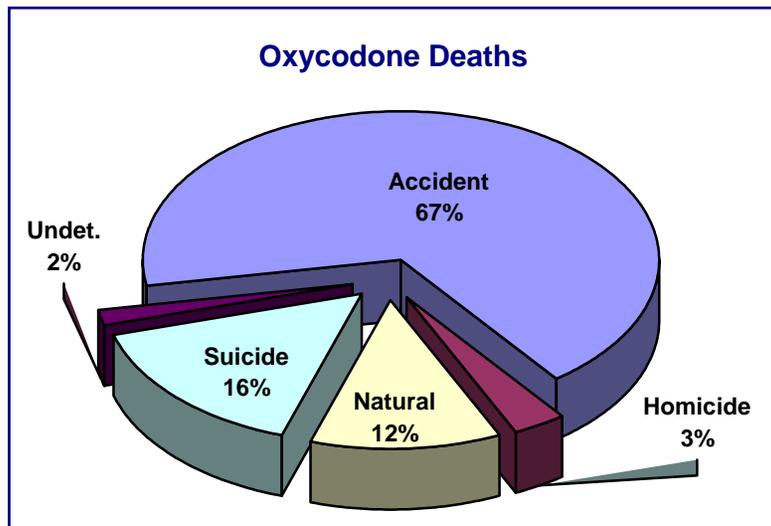
## Historical View of Heroin Deaths (Cause)

District	Area of Florida	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	Pensacola	0	0	0	0	1	0	0	0	0	1	0	1	2	0	0
2	Tallahassee	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3	Live Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Jacksonville	5	0	5	4	10	8	5	4	3	4	6	3	2	1	2
5	Leesburg	0	0	2	3	1	4	2	1	0	0	0	5	1	0	1
6	St. Petersburg	6	10	8	17	24	31	22	14	12	6	11	3	8	3	1
7	Daytona Beach	4	4	0	6	1	2	2	2	0	1	1	0	2	1	0
8	Gainesville	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Orlando	16	36	42	30	34	22	33	20	15	7	16	16	22	9	16
10	Lakeland	0	1	3	1	0	2	0	1	2	0	0	0	1	0	0
11	Miami	52	61	48	61	32	36	28	18	19	12	19	33	26	19	13
12	Sarasota	0	0	1	7	3	3	18	14	8	14	3	18	3	2	2
13	Tampa	6	13	19	21	34	33	18	14	6	7	10	5	1	1	2
14	Panama City	0	0	0	2	0	0	0	0	0	0	1	0	0	1	0
15	West Palm Bch	11	19	12	15	57	36	27	26	17	8	10	6	6	4	12
16	Florida Keys	0	2	5	0	3	4	0	1	0	1	0	1	1	0	0
17	Ft. Lauderdale	19	37	35	17	51	38	43	22	17	11	3	13	7	4	3
18	Melbourne	4	1	6	5	6	7	8	3	2	1	1	1	2	0	0
19	Ft. Pierce	2	3	1	1	3	2	3	3	1	3	3	3	1	1	1
20	Naples	3	4	3	3	3	9	3	0	1	1	1	1	0	0	0
21	Ft. Myers	6	3	7	10	5	7	12	4	0	1	4	7	8	0	1
22	Port Charlotte	0	0	0	1	0	4	0	1	3	0	0	0	1	0	0
23	St. Augustine	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
24	Sanford	2	9	1	4	3	1	6	2	3	0	4	3	1	1	2
<b>Statewide Totals</b>		<b>136</b>	<b>206</b>	<b>198</b>	<b>208</b>	<b>271</b>	<b>250</b>	<b>230</b>	<b>150</b>	<b>109</b>	<b>78</b>	<b>93</b>	<b>119</b>	<b>95</b>	<b>48</b>	<b>57</b>

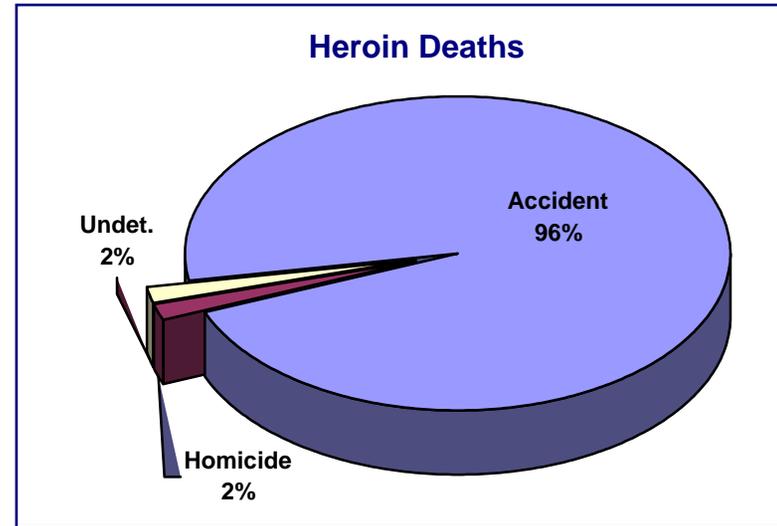
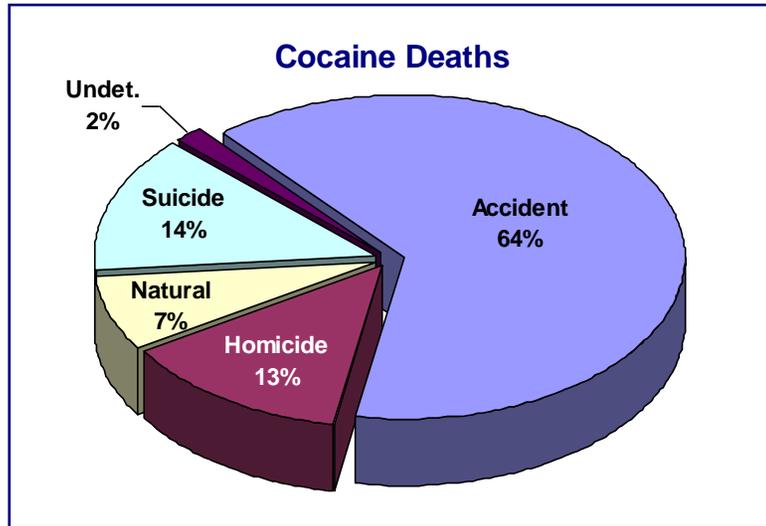
## Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide or Undetermined)



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



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



## Glossary

**Benzodiazepine** – 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.

**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.

**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.”

**Difluoroethane** – It is commonly found in electronic cleaning products, and many consumer aerosol products.

**Ethyl Alcohol** – Alcohol or ethanol.

**Fentanyl** – Synthetic narcotic analgesic (pain killer) used in the Duragesic transdermal patch. Also available in a solid “lollypop” sold under the brand name Actiq.

**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.”

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

**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.”

## Glossary (continued)

**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.

**Methylated Amphetamines** – Includes such drugs as methamphetamine (stimulant) and MDMA (Ecstasy – which is a hallucinogen). 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.” Methamphetamine is also known as “meth,” “crank,” “speed” and “tina.”

**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.

**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). 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.”

**Propoxyphene** – A synthetic narcotic analgesic (pain killer) used for mild to moderate pain. A chemical cousin to methadone, it is marketed under the trade name Darvon and Darvocet when mixed with acetaminophen.

**Rohypnol (Flunitrazepam)** – 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.”

**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; commonly known as Ambien.